

Heizung/Lüftung – Heating/ventilation – Riscaldamento

Brauchwasser – Service water – Acqua calda sanitaria

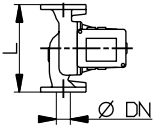


Typenvergleich: Umwälzpumpen
Comparison of types: circulators
Comparazione dei tipi: circolatori

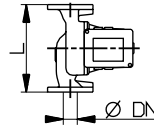
Mehr als Pumpen

 **Biral**[®]

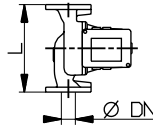
Abkürzungen und Bemerkungen
Abbreviations and comments
Sigle e osservazioni

Typ	Pumpenbezeichnung
PN	Nenndruck
3/1	Motor
1	1×230 V, 50 Hz
3	3×400 V, 50 Hz
3/1	Polycom-Motor (3×400 V/1×230 V)
G/DN	Nennweite
G	Gewinde am Pumpengehäuse
L	Einbaulänge [mm]
	
Z	Zwischenstücke
10-90	Nummer für das erforderliche Zwischenstück
-	kein Zwischenstück erforderlich
Q	Rohrleitung ändern
c	die Einbaulänge der Biral-Pumpe ist kürzer, kein Zwischenstück vorhanden
Stufe Drehzahleinstellung	
I	Stufe I
pp1	Regelkennlinie Proportionaldruck (proportional pressure)
cp1	Regelkennlinie Konstantdruck (constant pressure)
cs1	Regelkennlinie Konstantdrehzahl (contact speed)
Bem. Bemerkungen	
1	Set B (Kondensator + Stecker Typ B) erforderlich (1×230 V)
2	Innengewinde
3	Steuermodul bestellen
4	mit Absperrklappen – Biral-Pumpe ohne
5	Kaltwasserausführung bestellen
6	Pumpengehäuse: nicht rostfreier Stahl
7	ohne Entlüfter
8	Pumpenaustausch bei unterschiedlicher Nennweite
9	alte Pumpe 3×400 V, neu 1×230 V
10	1×230 V/3×400 V unterschiedliche Artikelnummer
11	PN 6/PN 16 unterschiedliche Pumpe
12	Betriebspunkt überprüfen
13	Trockenläuferpumpe

Bei der Bestellung der Biral-Austauschpumpe sind ausser Typ und Fabrikat auch die Art des elektrischen Anschlusses (einphasig oder dreiphasig) sowie Nennweite und Nenndruck der auszutauschenden Pumpe anzugeben.

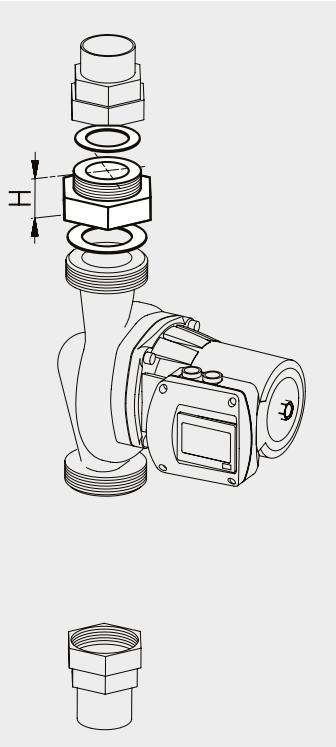
Typ	Pump designation
PN	Nominal pressure
3/1	Motor
1	1×230 V, 50 Hz
3	3×400 V, 50 Hz
3/1	Polycom motor (3×400 V/1×230 V)
G/DN	Nominal diameter
G	Thread on pump casing
L	Fitting length [mm]
	
Z	Intermediate pieces
10-90	Number for the intermediate piece required
-	no intermediate pieces required
Q	Change pipeline
c	The fitting length of the Biral pump is shorter, no intermediate piece present
Stufe Speed setting	
I	Speed 1
pp1	Characteristic curve proportional pressure
cp1	Characteristic curve constant pressure
cs1	Characteristic curve contact speed
Bem. Comments	
1	Set B (capacitor + type B plug) required (1×230 V)
2	Internal thread
3	Order the control module
4	With shutoff valve – Biral pump without
5	Order cold water version
6	Pump casing: not stainless steel
7	Without aspirator
8	Pump exchange with different nominal diameters
9	Old pump 3×400 V, new 1×230 V
10	1×230 V/3×400 V different article numbers
11	PN 6/PN 16 different pump
12	Check operating point
13	Dry impeller pump

When ordering the Biral replacement pump, the type of electrical connection (single-phase or three-phase) as well as the nominal diameter of the pump to be replaced must be specified, in addition to the type and make.

Typ	Designazione pompa
PN	Pressione nominale
3/1	Motore
1	1×230 V, 50 Hz
3	3×400 V, 50 Hz
3/1	Motore Polycom (3×400 V/1×230 V)
G/DN	Diametro nominale
G	Filettatura sul corpo pompa
L	Dimensione d'ingombro [mm]
	
Z	Pezzo intermedio
10-90	Numero per il pezzo intermedio necessario
-	Non occorre il pezzo intermedio
Q	Modificare la tubazione
c	La dimensione d'ingombro della pompa Biral è più corta, ma non c'è il pezzo intermedio
Stufe Impostazione numero di giri	
I	Giri I
pp1	Linea caratteristica regolazione pressione proporzionale (proportional pressure)
cp1	Linea caratteristica regolazione pressione costante (constant pressure)
cs1	Linea caratteristica regolazione numero di giri costante (contact speed)
Bem. Osservazioni	
1	Serve il set B (condensatore + spina tipo B) (1×230 V)
2	Filettatura interna
3	Modulo di comando da ordinare
4	Con valvole a farfalla – Pompa Biral senza
5	Ordinare la versione acqua fredda
6	Il corpo della pompa non è in acciaio inox
7	Senza sfiato
8	Sostituzione della pompa con diametro nominale diverso
9	Vecchia pompa 3×400 V, nuova 1×230 V
10	1×230 V/3×400 V Codice articolo diverso
11	PN 6/PN 16 Pompa diversa
12	Verificare il punto di funzionamento
13	Pompa a secco

Nell'ordinazione di pompe Biral per sostituzione, consigliamo di indicare oltre al tipo e alla marca anche il sistema dell'allacciamento elettrico (monofase o trifase), come pure la dimensione e la pressione nominale della pompa da sostituire.

Inhalt des Biral-Typenvergleiches	Contents of Biral comparison of types	Indice della comparazione dei tipi Biral	Inhaltsübersicht Table of contents Indice
<p>Biral bietet in diesem Vergleich die Austauschmöglichkeit mit hocheffizienten Mini-Energie-Pumpen an, gegliedert nach Fabrikat, Anwendung (Heizungs-/Zirkulationspumpe), Nennweite und Typenbezeichnung.</p>	<p><i>Biral offers an exchange option using highly efficient mini-energy pumps in this comparison, classified according to make, application (heating / circulation pump), nominal diameter and type designation.</i></p>	<p>In questa comparazione, Biral propone la possibilità di sostituzione con pompe ad alta efficienza energetica, raggruppate per modello, applicazione (pompa di riscaldamento o circolazione, diametro nominale e designazione del tipo).</p>	<p>Zwischenstücke <i>Intermediate pieces</i> Pezzi intermedi Seite/Page/Pagina 2</p> <p>Flansche/Rohrverschraubungen <i>Flange/Tube fittings</i> Flangia/Raccordi per tubi filettati Seite/Page/Pagina 3</p>
<p>Austauschvorschläge wurden ausgewählt nach</p> <ul style="list-style-type: none"> – Nennweite/Einbaulänge – Hydraulische Leistung – Elektrischer Anschluss (Drehstrom/einphasig) 	<p><i>Suggestions for exchange have been selected according to</i></p> <ul style="list-style-type: none"> – <i>nominal diameter/fitting length</i> – <i>hydraulic capacity</i> – <i>electrical connection (three-phase/single-phase)</i> 	<p>Le proposte di sostituzione sono state scelte per:</p> <ul style="list-style-type: none"> – diametro nominale/ lunghezza di montaggio – potenza idraulica – allacciamento elettrico (corrente trifase/monofase) 	<p>Biral Seite/Page/Pagina 6</p>
<p>Die hocheffizienten Mini-Energie-Pumpen entsprechen dem neuen anspruchsvollen Energieeffizienzindex (EEI). Biral als Erfinder und Innovator der hocheffizienten Permanent-Magnet-Technologie bietet heute ein vollständiges Sortiment für Anwendungen vom Einfamilienhaus bis zum Hotel/Industriegebäude.</p>	<p><i>Highly efficient mini-energy pumps comply with the new demanding energy efficiency index (EEI). As inventor and innovator of highly efficient permanent magnet technology, today Biral offers a full range for applications from private homes to hotels/industrial buildings.</i></p>	<p>Le pompe ad alta efficienza energetica sono conformi ai severi requisiti del nuovo indice di efficienza energetica (IEE). Biral, in qualità di ideatore e innovatore della tecnologia a magnete permanente ad alta efficienza, offre oggi un assortimento completo per applicazioni che vanno dalla casa monofamiliare all’hotel/edificio industriale.</p>	<p>DAB Seite/Page/Pagina 25</p> <p>Grundfos Seite/Page/Pagina 31</p>
<p>Der Biral Pumpselector Alle verfügbaren Fabrikate und Pumpen sind online abrufbar. Direkte Anbindungen zu Datenblättern, Ausschreibungstext und weiteren Informationen zur Biral-Pumpe: www.pumpselector.ch</p>	<p>The Biral pump selector <i>All makes and pumps available can be called up on-line.</i> <i>Direct links to data sheets, tendering text and further information on Biral pumps:</i> www.pumpselector.ch</p>	<p>Il Biral Pumpselector Tutti i prodotti e le pompe disponibili sono richiamabili online. Link diretti con le schede dei dati, i testi per appalti e altre informazioni sulla pompa Biral: www.pumpselector.ch</p>	<p>Halm Seite/Page/Pagina 44</p> <p>Krupp Seite/Page/Pagina 49</p> <p>KSB Seite/Page/Pagina 53</p> <p>Laing Seite/Page/Pagina 62</p>
<p>Vorgehen für die richtige Auswahl</p> <ol style="list-style-type: none"> 1. Fabrikat der alten Pumpe aufschlagen 2. Vorhandene Nennweite aufsuchen 3. Typ suchen 4. Spalte «Hocheffizient»: empfohlene Hocheffizienzpumpe Spalte «ungeregelt»: mehrstufige, unregelte Pumpe 5. Spalten «Z», «Stufe» und «Bem.» beachten 6. Elektrischer Anschluss vergleichen 	<p>Making the correct selection</p> <ol style="list-style-type: none"> 1. <i>Refer to make of old pump</i> 2. <i>Find existing nominal diameter</i> 3. <i>Find type</i> 4. <i>Column «High-efficiency»: recommended high-efficiency pump</i> <i>Column «unregulated»: multi-speed, unregulated pump</i> 5. <i>Note columns «Z», «Stufe» and «Bem.»</i> 6. <i>Compare electrical connection</i> 	<p>Procedura per la scelta giusta</p> <ol style="list-style-type: none"> 1. Individuare il tipo della vecchia pompa. 2. Cercare il diametro nominale disponibile 3. Cercare il tipo 4. Colonna «Alta efficienza»: pompa ad alta efficienza suggerita Colonna «non regolata»: pompa a più giri, non regolata 5. Osservare le colonne «Z», «Stufe» e «Bem.». 6. Confrontare l’allacciamento elettrico. 	<p>Loewe Seite/Page/Pagina 64</p> <p>Speck Seite/Page/Pagina 71</p> <p>Vortex Seite/Page/Pagina 76</p> <p>Wilco Seite/Page/Pagina 77</p>



Zwischenstück
Intermediate piece
Pezzo intermedio

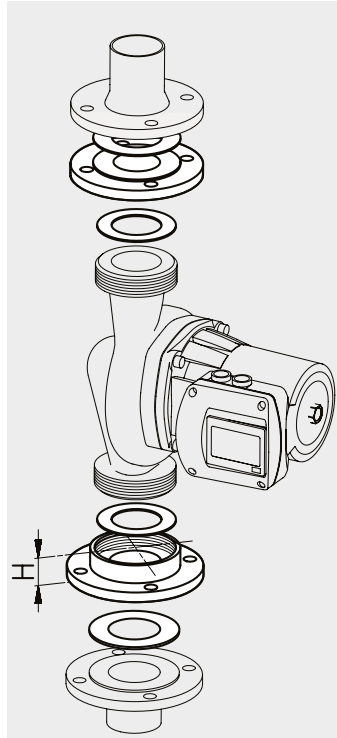
Z	G	H	No.
10	1 1/4" / 1 1/4"	30	11 2912.0150
11	1 1/4" / 2"	20	11 2491.0150
12	1 1/2" / 2"	20	11 3297.0150
13	2" / 2"	10	11 1477.0150
14	2" / 2"	15	11 2219.0150
15	2" / 2"	20	11 1019.0150
16	2" / 2"	34	11 1675.0150
17	2" / 2"	40	11 1020.0150
21	2" / 2 1/4"	20	11 1021.0150
81	1 1/4" / 2"	40	11 4302.0162*
82	1 1/4" / 2"	60	11 4306.0162*
83	1 1/4" / 1 1/2"	30	11 4358.0162*
84	1 1/4" / 2"	30	11 4359.0162*
85	1 1/4" / 1"	30	11 4357.0150

* Bronze/brons/bronzo

Der Einbausatz besteht aus Zwischenstück und Dichtungsmaterial.

The adapter kit includes an intermediate piece and gaskets.

La confezione comprende un pezzo intermedio e le guarnizioni.



Gewindeflansch (PN 6)
Threaded flange (PN 6)
Flangia filettata (PN 6)

Z	G/DN	H	No.
25	2" / 32	40	11 3819.0150
26	2" / 32	16	11 3990.0150
28	2" / 32	10	11 3873.0150
29	2" / 40	30	11 3949.0150
30	2" / 50	40	11 6044.0150

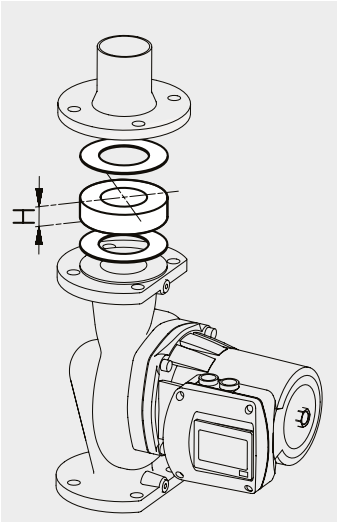
4-Kant Gewindeflansch (PN 6)
Square screwed flange (PN 6)
Flangia filettata quadrata (PN 6)

G/DN	H	No.	
70	2" / 32	20	11 6045.0150

Der Einbausatz besteht aus 2 Flanschen, Dichtungsmaterial und Befestigungsschrauben.

The adapter kit includes two flanges, gaskets and bolts.

La confezione comprende 2 flange, le guarnizioni ed i bulloni di fissaggio.



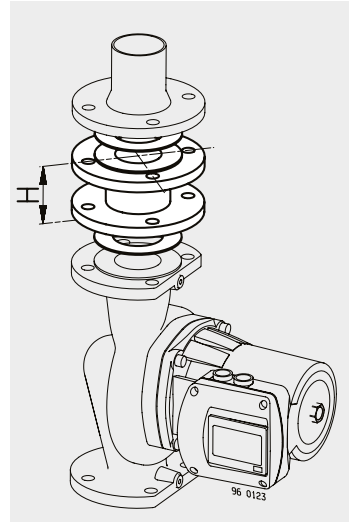
Zwischenstück
Intermediate piece
Pezzo intermedio

Z	DN	H	No.
32	40	10	11 3259.0150
33	40	20	11 1575.0150
34	40	30	11 1574.0150
35	40	40	11 1577.0150
36	40	50	11 2218.0150
41	50	10	11 2217.0150
47	50	20	11 3999.0150
42	50	30	11 0990.0150
43	50	50	11 2058.0150
56	65	10	11 4000.0150
50	65	30	11 0991.0150
51	65	40	11 2216.0150
59	80	10	11 0992.0150
60	80	30	11 1115.0150
65	100	20	11 2264.0150
66	100	50	11 1576.0150

Der Einbausatz besteht aus Zwischenstück, Dichtungsmaterial und Befestigungsschrauben.

The adapter kit includes an intermediate piece, gaskets and bolts.

La confezione comprende un pezzo intermedio, le guarnizioni ed i bulloni di fissaggio.



Zwischenflansch PN 6
Intermediate flange PN 6
Flangia intermedia PN 6

Z	DN	H	No.
37	40	73	11 1676.0150
44	50	65	11 2753.0150
45	50	85	11 1677.0150
46	50	135	11 1677.0250
52	65	70	11 2754.0150
53	65	85	11 1678.0150
54	65	125	11 2754.0250
55	65	155	11 1678.0250
61	80	80	11 2752.0150

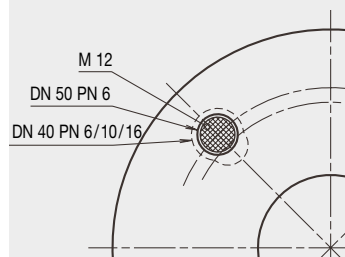
Der Einbausatz besteht aus Zwischenstück, Dichtungsmaterial und Befestigungsschrauben.

The adapter kit includes two intermediate flange, gaskets and bolts.

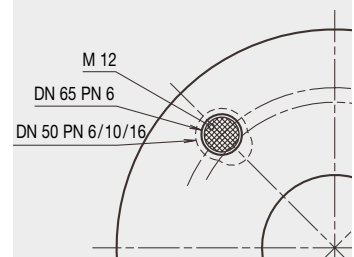
La confezione comprende una flangia intermedia, le guarnizioni ed i bulloni di fissaggio.

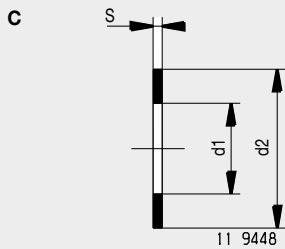
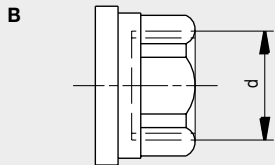
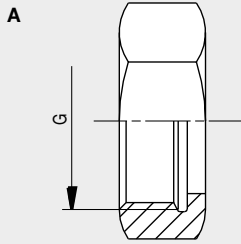
Pumpenaustausch bei unterschiedlicher Nennweite
Exchange of pump for differing nominal diameter
Scambio delle pompe in caso di diametro nominale diverso

Rohrleitung bestehend DN 50, PN 6
Pumpe DN 40, PN 6/10/16
Existing pipeline DN 50, PN 6
Pump DN 40, PN 6/10/16
Tubazione attuale DN 50, PN 6
Pompa DN 40, PN 6/10/16



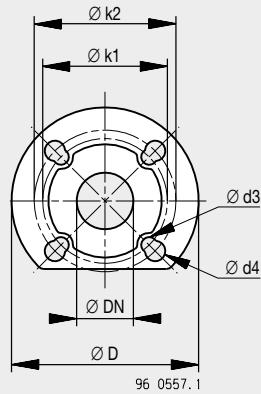
Rohrleitung bestehend DN 65, PN 6
Pumpe DN 50, PN 6/10/16
Existing pipeline DN 65, PN 6
Pump DN 50, PN 6/10/16
Tubazione attuale DN 65, PN 6
Pompa DN 50, PN 6/10/16





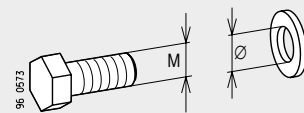
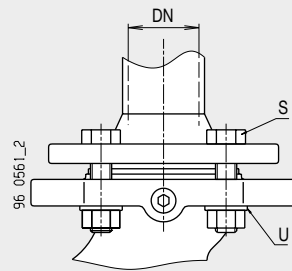
Rohrverschraubungen
Tube fittings
Raccordi per tubi filettati

rp	A	B	C
	G	d	Ø d1/Ø d2×s
3/4"	1 1/4"	3/4"	27/38×2
1"	1 1/2"	1"	32/44×2
1 1/4"		3/4"	
		1 1/4"	
	2"	1"	45/55×2
		3/4"	



Kombiflansch
Combi-flange
Flangia combinata
PN 6 / PN 10 / PN 16

PN6/PN 10/PN 16					
DN	D	k1	k2	d3	d4
40	155	100	110	14	18
50	165	110	125	14	18
65	185	130	145	14	18

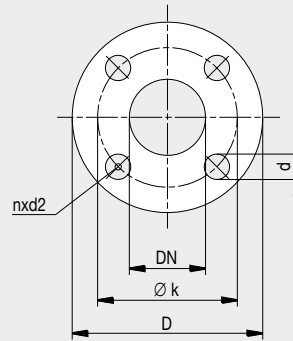


S	S	U	U
PN 6	PN 10/16	PN 6	PN 10/16
4×M12	4×M16	Ø14	Ø18

Die Pumpenflanschen DN 40, 50, 65 sind mit Befestigungslöchern PN 6/PN 10/PN 16 gebohrt. Für eine sichere Befestigung (S) der Flanschen müssen die gelieferten Unterlegscheiben «U» auf der Pumpenseite montiert werden.

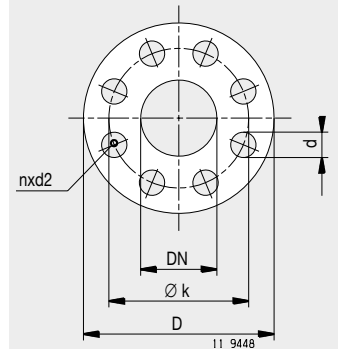
Pump flanges DN 40, 50, 65 are drilled with fixing holes PN 6/PN 10/PN 16. The washers «U» supplied must be fitted on the pump side for reliable screw connection (S) of the flanges.

Le flange per pompe DN 40, 50, 65 dispongono dei fori di fissaggio PN 6/PN 10/PN 16. Per un fissaggio sicuro della flangia (S) è necessario montare sul lato pompa le rondelle «U» fornite in dotazione.



PN 6
DN 32 - DN 100

PN6				
DN	D	k	d	nxd2
32	120	90	14	4×M12
40	130	100	14	4×M12
50	140	110	14	4×M12
65	160	130	14	4×M12
80	190	150	18	4×M16
100	210	170	18	4×M16



PN 10/16
DN 32 - DN 100

PN 10/16				
DN	D	k	d	nxd2
32	140	100	18	4×M16
40	150	110	18	4×M16
50	165	125	18	4×M16
65	185	145	18	4×M16
80	200	160	18	8×M16
100	220	180	18	8×M16

Biral				
Typ	PN	3/1	G/DN	L

1" (Rp 1/2")

AX 12-4	10	1	1"	130
AX 13-4	10	1	1"	130
M 10-4	10	1	1"	130
M 12-4	10	1	1"	130
M 13-4	10	1	1"	130
MX 10-4	10	1	1"	130
MX 12-4	10	1	1"	130
MX 13-4	10	1	1"	130

1 1/2" (Rp 1")

A 12-1	10	1	1 1/2"	180
A 13-1	10	1	1 1/2"	180
A 14-1	10	1	1 1/2"	180
A 15-1	10	1	1 1/2"	180
A 16-1	10	1	1 1/2"	180
AX 10-1	10	1	1 1/2"	180
AX 12-1	10	1	1 1/2"	180
AX 12-3	10	1	1 1/2"	130
AX 13-1	10	1	1 1/2"	180
AX 13-3	10	1	1 1/2"	130
HX 301-1	10	3	1 1/2"	180
HX 302-1	10	3	1 1/2"	180
L 321-1	10	3/1	1 1/2"	180
L 322-1	10	3/1	1 1/2"	180
L 323-1	10	3/1	1 1/2"	180
M 10-1	10	1	1 1/2"	180
M 10-3	10	1	1 1/2"	130
M 12-1	10	1	1 1/2"	180
M 12-3	10	1	1 1/2"	130
M 13-1	10	1	1 1/2"	180
M 13-3	10	1	1 1/2"	130
M 14-1	10	1	1 1/2"	180
M 15-1	10	1	1 1/2"	180
MC 10-1	10	1	1 1/2"	180
MC 12-1	10	1	1 1/2"	180
ME 12-1	10	1	1 1/2"	180
ME 12-3	10	1	1 1/2"	130
ME 13-1	10	1	1 1/2"	180
ME 13-3	10	1	1 1/2"	130
ME 14-1	10	1	1 1/2"	180
ME 15-1	10	1	1 1/2"	180
MX 10-1	10	1	1 1/2"	180
MX 10-3	10	1	1 1/2"	130
MX 12-1	10	1	1 1/2"	180
MX 12-3	10	1	1 1/2"	130
MX 13-1	10	1	1 1/2"	180
MX 13-3	10	1	1 1/2"	130
MXE 12-1	10	1	1 1/2"	180
MXE 12-1B	10	1	1 1/2"	180
MXE 12-3	10	1	1 1/2"	130
MXE 12-3B	10	1	1 1/2"	130
MXE 13-1	10	1	1 1/2"	180
MXE 13-1B	10	1	1 1/2"	180
MXE 13-3	10	1	1 1/2"	130
MXE 13-3B	10	1	1 1/2"	130
MXE 14-1	10	1	1 1/2"	180
MXE 14-1B	10	1	1 1/2"	180
MXE 15-1	10	1	1 1/2"	180

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				

AX 12-4	10	1	1"	130	-		
AX 13-4	10	1	1"	130	-		
AX 12-4	10	1	1"	130	-		
AX 12-4	10	1	1"	130	-		
AX 13-4	10	1	1"	130	-		
AX 12-4	10	1	1"	130	-		
AX 12-4	10	1	1"	130	-		
AX 13-4	10	1	1"	130	-		

A 12-1	10	1	1 1/2"	180	-		
A 13-1	10	1	1 1/2"	180	-		
A 14-1	10	1	1 1/2"	180	-		
A 15-1	10	1	1 1/2"	180	-		
A 16-1	10	1	1 1/2"	180	-		
AX 10-1	10	1	1 1/2"	180	-		
AX 12-1	10	1	1 1/2"	180	-		
AX 12-3	10	1	1 1/2"	130	-		
AX 13-1	10	1	1 1/2"	180	-		
AX 13-3	10	1	1 1/2"	130	-		
A 14-1	10	1	1 1/2"	180	-		9
A 15-1	10	1	1 1/2"	180	-		9
A 12-1	10	1	1 1/2"	180	-		9
A 13-1	10	1	1 1/2"	180	-		9
AX 10-1	10	1	1 1/2"	180	-		
AX 12-3	10	1	1 1/2"	130	-		
AX 12-1	10	1	1 1/2"	180	-		
AX 12-3	10	1	1 1/2"	130	-		
AX 13-1	10	1	1 1/2"	180	-		
AX 13-3	10	1	1 1/2"	130	-		
A 14-1	10	1	1 1/2"	180	-		
A 15-1	10	1	1 1/2"	180	-		
AX 10-1	10	1	1 1/2"	180	-		
AX 12-1	10	1	1 1/2"	180	-		
AX 12-1, A 12-1	10	1	1 1/2"	180	-		
AX 12-3	10	1	1 1/2"	130	-		
AX 13-1, A 13-1	10	1	1 1/2"	180	-		
AX 13-3	10	1	1 1/2"	130	-		
A 14-1	10	1	1 1/2"	180	-		
A 15-1	10	1	1 1/2"	180	-		
AX 10-1	10	1	1 1/2"	180	-		
AX 12-3	10	1	1 1/2"	130	-		
AX 12-1	10	1	1 1/2"	180	-		
AX 12-3	10	1	1 1/2"	130	-		
AX 13-1	10	1	1 1/2"	180	-		
AX 13-3	10	1	1 1/2"	130	-		
AX 12-1, A 12-1	10	1	1 1/2"	180	-		
A 12-1	10	1	1 1/2"	180	-		3
AX 12-3	10	1	1 1/2"	130	-		
A 12-1	10	1	1 1/2"	180	Q		3
AX 13-1, A 13-1	10	1	1 1/2"	180	-		
A 13-1	10	1	1 1/2"	180	-		3
AX 13-3	10	1	1 1/2"	130	-		
A 13-1	10	1	1 1/2"	180	Q		3
A 14-1	10	1	1 1/2"	180	-		
A 14-1	10	1	1 1/2"	180	-		3
A 15-1	10	1	1 1/2"	180	-		

Biral →				
Typ	PN	3/1	G/DN	L
MXE 15-1B	10	1	1 1/2"	180
NRB 10 S-1	10	1	1 1/2"	180
NRB 11 S-1	10	1	1 1/2"	180
NRB 11 S-3	10	1	1 1/2"	130
NRB 11 SZ-1	10	1	1 1/2"	180
NRB 11-1	10	1	1 1/2"	180
NRB 11-3	10	1	1 1/2"	130
NRB 12 S-1	10	1	1 1/2"	180
NRB 12 S-3	10	1	1 1/2"	130
NRB 12 SZ-1	10	1	1 1/2"	180
NRB 12 T-1	10	1	1 1/2"	180
NRB 12 T-3	10	1	1 1/2"	130
NRB 12-1	10	1	1 1/2"	180
NRB 13 S-1	10	1	1 1/2"	180
NRB 13 S-3	10	1	1 1/2"	130
NRB 13 T-1	10	1	1 1/2"	180
NRB 13 T-3	10	1	1 1/2"	130
NRB 13 TE-1	10	1	1 1/2"	180
NRB 13 TE-3	10	1	1 1/2"	130
NRB 14 S-1	10	1	1 1/2"	180
NRB 14 T-1	10	1	1 1/2"	180
NRB 15 S-1	10	1	1 1/2"	180
NRB 15 T-1	10	1	1 1/2"	180
NRB 15 TE-1	10	1	1 1/2"	180
NRZ 25 S-1	10	3	1 1/2"	180
NRZ 25-1	10	3	1 1/2"	180
NRZ 30 S-1	10	3	1 1/2"	180
NRZ 30-1	10	3	1 1/2"	180
NRZ 35 S-1	10	3	1 1/2"	180
NRZ 35-1	10	3	1 1/2"	180
RB 010-1	10	1	1 1/2"	180
RB 10-1	10	1	1 1/2"	180
RB 11-1	10	1	1 1/2"	180
RB 12 S-1	10	1	1 1/2"	180
RB 12-1	10	1	1 1/2"	180
RB 13-1	10	1	1 1/2"	180
RB 14-1	10	1	1 1/2"	180
RB 15 S-1	10	1	1 1/2"	180
RB 15-1	10	1	1 1/2"	180
Z 24	10	1	1 1/2"	190
Z 33	10	1	1 1/2"	160

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
A 15-1	10	1	1 1/2"	180	-		3					
AX 10-1	10	1	1 1/2"	180	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-3	10	1	1 1/2"	130	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-3	10	1	1 1/2"	130	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-3	10	1	1 1/2"	130	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-3	10	1	1 1/2"	130	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 13-1	10	1	1 1/2"	180	-							
AX 13-3	10	1	1 1/2"	130	-							
AX 13-1	10	1	1 1/2"	180	-							
AX 13-3	10	1	1 1/2"	130	-							
AX 13-1, A 13-1	10	1	1 1/2"	180	-							
AX 13-3	10	1	1 1/2"	130	-							
A 14-1	10	1	1 1/2"	180	-							
A 14-1	10	1	1 1/2"	180	-							
A 15-1	10	1	1 1/2"	180	-							
A 15-1	10	1	1 1/2"	180	-							
A 15-1	10	1	1 1/2"	180	-							
A 12-1	10	1	1 1/2"	180	-	pp1	9					
A 12-1	10	1	1 1/2"	180	-	pp1	9					
A 12-1	10	1	1 1/2"	180	-		9					
A 12-1	10	1	1 1/2"	180	-		9					
A 13-1	10	1	1 1/2"	180	-		9					
A 13-1	10	1	1 1/2"	180	-		9					
AX 10-1	10	1	1 1/2"	180	-							
AX 10-1	10	1	1 1/2"	180	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 13-1	10	1	1 1/2"	180	-							
A 14-1	10	1	1 1/2"	180	-							
A 15-1	10	1	1 1/2"	180	-							
A 15-1	10	1	1 1/2"	180	-							
AX 12-1	10	1	1 1/2"	180	c							
AX 12-3	10	1	1 1/2"	130	c							

Ovalflansch / Oval flange / Flangia ovale 1"-2"

NRF 10 S	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
NRF 11 S	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
NRF 11 SZ	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
NRF 12 S	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
NRF 12 SZ	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
NRF 12 T	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
NRF 13 S	10	1	1"-2"	158	AX 13	10	1	2"	170	Q		
NRF 14 S	10	1	1"-2"	158	A 14	10	1	2"	170	Q		
NRF 14 T	10	1	1"-2"	158	A 14	10	1	2"	170	Q		
NRF 15 S	10	1	1"-2"	158	A 15	10	1	2"	170	Q		
NRF 15 T	10	1	1"-2"	158	A 15	10	1	2"	170	Q		
RF 0	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
RF 010	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
RF 1	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
RF 2	10	1	1"-2"	158	AX 12	10	1	2"	170	Q		
RF 3	10	1	1"-2"	158	AX 13	10	1	2"	170	Q		

Biral →				
Typ	PN	3/1	G/DN	L
RF 10	10	1	1"-2"	158
RF 11	10	1	1"-2"	158
RF 12	10	1	1"-2"	158
RF 12 S	10	1	1"-2"	158
RF 13	10	1	1"-2"	158
RF 14	10	1	1"-2"	158
RF 15	10	1	1"-2"	158
RF 15 S	10	1	1"-2"	158

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
AX 12	10	1	2"	170	Q						
AX 12	10	1	2"	170	Q						
AX 12	10	1	2"	170	Q						
AX 12	10	1	2"	170	Q						
AX 13	10	1	2"	170	Q						
A 14	10	1	2"	170	Q						
A 15	10	1	2"	170	Q						
A 15	10	1	2"	170	Q						

2" (Rp1 1/4")

A 12	10	1	2"	170
A 12-2	10	1	2"	180
A 13	10	1	2"	170
A 13-2	10	1	2"	180
A 14	10	1	2"	170
A 14-2	10	1	2"	180
A 15	10	1	2"	170
A 15-2	10	1	2"	180
A 16-2	10	1	2"	180
AX 10	10	1	2"	170
AX 12	10	1	2"	170
AX 12-2	10	1	2"	180
AX 13	10	1	2"	170
AX 13-2	10	1	2"	180
BZ 32-1	10	3	2"	190
BZ 32-1	10	1	2"	190
BZ 32-2	10	3	2"	190
BZ 32-2	10	1	2"	190
BZ 32-3	10	3	2"	190
BZ 32-3	10	1	2"	190
BZ 36-1	10	3/1	2"	210
BZ 36-1	10	3/1	2"	190
BZ 36-2	10	3/1	2"	210
BZ 36-2	10	3/1	2"	190
BZ 36-3	10	3	2"	210
BZ 36-3	10	3	2"	190
BZ 36-3	10	1	2"	210
BZ 36-3	10	1	2"	190
H 321	10	3	2"	190
H 321	10	1	2"	190
H 321-2	10	3	2"	180
H 321-2	10	1	2"	180
H 322	10	3/1	2"	190
H 322-2	10	3/1	2"	180
HX 301	10	3	2"	190
HX 301-2	10	3	2"	180
HX 302	10	3	2"	190
HX 302-2	10	3	2"	180
HX 321	10	3	2"	190
HX 321	10	1	2"	190
HX 321-2	10	3	2"	180
HX 321-2	10	1	2"	180
HX 322	10	3/1	2"	190
HX 322-2	10	3/1	2"	180
L 321	10	3/1	2"	190
L 321-2	10	3/1	2"	180
L 322	10	3/1	2"	190
L 322-2	10	3/1	2"	180
L 323	10	3/1	2"	190

A 12	10	1	2"	170	-		
A 12-2	10	1	2"	180	-		
A 13	10	1	2"	170	-		
A 13-2	10	1	2"	180	-		
A 14	10	1	2"	170	-		
A 14-2	10	1	2"	180	-		
A 15	10	1	2"	170	-		
A 15-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		
AX 10	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 12-2	10	1	2"	180	-		
AX 13	10	1	2"	170	-		
AX 13-2	10	1	2"	180	-		
A 14-2	10	1	2"	180	13		9
A 14-2	10	1	2"	180	13		
A 14-2	10	1	2"	180	13	pp1	9
A 14-2	10	1	2"	180	13	pp1	
A 14-2	10	1	2"	180	13	pp1	9
A 14-2	10	1	2"	180	13	pp1	
A 15-2	10	1	2"	180	13+15		9
A 15-2	10	1	2"	180	13		9
A 15-2	10	1	2"	180	13+15	pp1	9
A 15-2	10	1	2"	180	13	pp1	9
A 14-2	10	1	2"	180	13+15		9
A 14-2	10	1	2"	180	13		9
A 14-2	10	1	2"	180	13+15		
A 14-2	10	1	2"	180	13		
A 15-2	10	1	2"	180	13		9
A 15-2	10	1	2"	180	13		
A 15-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	13		9
A 16-2	10	1	2"	180	-		9
A 14-2	10	1	2"	180	13		9
A 14-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	13		9
A 15-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	13		9
A 15-2	10	1	2"	180	13		
A 15-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	13		9
A 16-2	10	1	2"	180	-		9
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	-	pp1	9
A 12-2	10	1	2"	180	13		9
A 12-2	10	1	2"	180	-		9
A 13-2	10	1	2"	180	13		9

Biral					Biral							
					hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
L 323	10	3/1	2"	210	A 13	10	1	2"	170	17		9
L 323-2	10	3/1	2"	180	A 13-2	10	1	2"	180	-		9
L 325	10	3/1	2"	190	A 15-2	10	1	2"	180	13		9
L 325	10	3/1	2"	210	A 15	10	1	2"	170	17		9
L 326	10	3/1	2"	190	A 16-2	10	1	2"	180	13		9
L 326	10	3/1	2"	210	A 16-2	10	1	2"	180	13+15		9
LE 326	10	1	2"	190	A 16-2	10	1	2"	180	13		
LX 321	10	3/1	2"	190	A 12-2	10	1	2"	180	13	pp1	9
LX 321-2	10	3/1	2"	180	A 12-2	10	1	2"	180	-	pp1	9
LX 322	10	3/1	2"	190	A 12-2	10	1	2"	180	13	pp1	9
LX 322-2	10	3/1	2"	180	A 12-2	10	1	2"	180	-	pp1	9
LX 323	10	3/1	2"	190	A 13-2	10	1	2"	180	13	pp1	9
LX 323-2	10	3/1	2"	180	A 13-2	10	1	2"	180	-	pp1	9
LX 325	10	3/1	2"	190	A 15-2	10	1	2"	180	13		
LX 326	10	3/1	2"	190	A 16-2	10	1	2"	180	13		9
LXE 326	10	1	2"	190	A 16-2	10	1	2"	180	13		
LXP 326	10	1	2"	190	A 16-2	10	1	2"	180	13		
M 10	10	1	2"	170	AX 10	10	1	2"	170	-		
M 10-2	10	1	2"	180	AX 12-2	10	1	2"	180	-		
M 12	10	1	2"	170	AX 12	10	1	2"	170	-		
M 12-2	10	1	2"	180	AX 12-2	10	1	2"	180	-		
M 13	10	1	2"	170	AX 13	10	1	2"	170	-		
M 13-2	10	1	2"	180	AX 13-2	10	1	2"	180	-		
M 14	10	1	2"	170	A 14	10	1	2"	170	-		
M 14-2	10	1	2"	180	A 14-2	10	1	2"	180	-		
M 15	10	1	2"	170	A 15	10	1	2"	170	-		
M 15-2	10	1	2"	180	A 15-2	10	1	2"	180	-		
MC 10	10	1	2"	170	AX 10	10	1	2"	170	-		
MC 12	10	1	2"	170	AX 12, A 12	10	1	2"	170	-		
ME 12	10	1	2"	170	AX 12, A 12	10	1	2"	170	-		
ME 12-2	10	1	2"	180	AX 12-2, A 12-2	10	1	2"	180	-		
ME 12-2	10	1	2"	180	A 12-2	10	1	2"	180	-		
ME 13	10	1	2"	170	AX 13, A 13	10	1	2"	170	-		
ME 13-2	10	1	2"	180	AX 13-2, A 13-2	10	1	2"	180	-		
ME 14	10	1	2"	170	A 14	10	1	2"	170	-		
ME 14-2	10	1	2"	180	A 14-2	10	1	2"	180	-		
ME 15	10	1	2"	170	A 15	10	1	2"	170	-		
ME 15-2	10	1	2"	180	A 15-2	10	1	2"	180	-		
MX 10	10	1	2"	170	AX 10	10	1	2"	170	-		
MX 10-2	10	1	2"	180	AX 12-2	10	1	2"	180	-		
MX 12	10	1	2"	170	AX 12	10	1	2"	170	-		
MX 12-2	10	1	2"	180	AX 12-2	10	1	2"	180	-		
MX 13	10	1	2"	170	AX 13	10	1	2"	170	-		
MX 13-2	10	1	2"	180	AX 13-2	10	1	2"	180	-		
MXE 12	10	1	2"	170	AX 12, A 12	10	1	2"	170	-		
MXE 12-2	10	1	2"	180	AX 12-2, A 12-2	10	1	2"	180	-		
MXE 12-2B	10	1	2"	180	A 12-2	10	1	2"	180	-		3
MXE 12B	10	1	2"	170	A 12	10	1	2"	170	-		3
MXE 13	10	1	2"	170	AX 13, A 13	10	1	2"	170	-		
MXE 13-2	10	1	2"	180	AX 13-2, A 13-2	10	1	2"	180	-		
MXE 13-2B	10	1	2"	180	A 13-2	10	1	2"	180	-		3
MXE 13B	10	1	2"	170	A 13	10	1	2"	170	-		3
MXE 14	10	1	2"	170	A 14	10	1	2"	170	-		
MXE 14-2	10	1	2"	180	A 14-2	10	1	2"	180	-		
MXE 14-2B	10	1	2"	180	A 14-2	10	1	2"	180	-		3
MXE 14B	10	1	2"	170	A 14	10	1	2"	170	-		3
MXE 15	10	1	2"	170	A 15	10	1	2"	170	-		
MXE 15-2	10	1	2"	180	A 15-2	10	1	2"	180	-		

Biral →				
Typ	PN	3/1	G/DN	L
MXE 15-2B	10	1	2"	180
MXE 15B	10	1	2"	170
NRB 10 S	10	1	2"	170
NRB 10 S-2	10	1	2"	180
NRB 11	10	1	2"	170
NRB 11 S	10	1	2"	170
NRB 11 S-2	10	1	2"	180
NRB 11 SZ	10	1	2"	170
NRB 11 SZ-2	10	1	2"	180
NRB 11-2	10	1	2"	180
NRB 12	10	1	2"	170
NRB 12 S	10	1	2"	170
NRB 12 S-2	10	1	2"	180
NRB 12 SZ	10	1	2"	170
NRB 12 SZ-2	10	1	2"	180
NRB 12 T	10	1	2"	170
NRB 12 T-2	10	1	2"	180
NRB 12-2	10	1	2"	180
NRB 13 S	10	1	2"	170
NRB 13 S-2	10	1	2"	180
NRB 13 T	10	1	2"	170
NRB 13 T-2	10	1	2"	180
NRB 13 TE	10	1	2"	170
NRB 13 TE-2	10	1	2"	180
NRB 14 S	10	1	2"	170
NRB 14 S-2	10	1	2"	180
NRB 14 T	10	1	2"	170
NRB 14 T-2	10	1	2"	180
NRB 15 S	10	1	2"	170
NRB 15 S-2	10	1	2"	180
NRB 15 T	10	1	2"	170
NRB 15 T-2	10	1	2"	180
NRB 15 TE	10	1	2"	170
NRB 15 TE-2	10	1	2"	180
NRP 30	10	3/1	2"	190
NRP 30 S	10	3	2"	190
NRZ 25	10	3/1	2"	190
NRZ 25 S	10	3	2"	190
NRZ 25 S-2	10	3	2"	180
NRZ 25-2	10	3/1	2"	180
NRZ 30	10	3/1	2"	190
NRZ 30 S	10	3	2"	190
NRZ 30 S-2	10	3	2"	180
NRZ 30-2	10	3/1	2"	180
NRZ 35	10	3/1	2"	210
NRZ 35 S	10	3	2"	210
NRZ 35-2	10	3/1	2"	180
NRZ 35-2 S	10	3	2"	180
NRZ 39-1 S	10	3	2"	210
NRZ 39-2 S	10	3	2"	210
NRZ 39-3 S	10	3	2"	210
NRZ 44-1 S	10	3	2"	210
P 30-1	10	3/1	2"	190
P 30-2	10	3/1	2"	190
RB 0	10	1	2"	170
RB 010	10	1	2"	170
RB 010-2	10	1	2"	180
RB 1	10	1	2"	170

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
A 15-2	10	1	2"	180	-		3					
A 15	10	1	2"	170	-		3					
AX 10	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							
AX 13	10	1	2"	170	-							
AX 13-2	10	1	2"	180	-							
AX 13	10	1	2"	170	-							
AX 13-2	10	1	2"	180	-							
AX 13, A 13	10	1	2"	170	-							
AX 13-2, A 13-2	10	1	2"	180	-							
A 14	10	1	2"	170	-							
A 14-2	10	1	2"	180	-							
A 14	10	1	2"	170	-							
A 14-2	10	1	2"	180	-							
A 15	10	1	2"	170	-							
A 15-2	10	1	2"	180	-							
A 15	10	1	2"	170	-							
A 15-2	10	1	2"	180	-							
A 15	10	1	2"	170	-							
A 15-2	10	1	2"	180	-							
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	-		9					
A 12-2	10	1	2"	180	-		9					
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	-		9					
A 12-2	10	1	2"	180	-		9					
A 13	10	1	2"	170	17		9					
A 13	10	1	2"	170	17		9					
A 13-2	10	1	2"	180	-		9					
A 13-2	10	1	2"	180	-		9					
A 15	10	1	2"	170	17		9					
A 15	10	1	2"	170	17		9					
A 13	10	1	2"	170	17		9					
A 16-2	10	1	2"	180	13+15		9					
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	13		9					
AX 12	10	1	2"	170	-							
AX 10	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							

Biral →				
Typ	PN	3/1	G/DN	L
RB 10	10	1	2"	170
RB 10-2	10	1	2"	180
RB 11	10	1	2"	170
RB 11-2	10	1	2"	180
RB 12	10	1	2"	170
RB 12 S	10	1	2"	170
RB 12 S-2	10	1	2"	180
RB 12-2	10	1	2"	180
RB 13	10	1	2"	170
RB 13-2	10	1	2"	180
RB 14	10	1	2"	170
RB 14-2	10	1	2"	180
RB 15	10	1	2"	170
RB 15 S	10	1	2"	170
RB 15 S-2	10	1	2"	180
RB 15-2	10	1	2"	180
RB 2	10	1	2"	170
RB 3	10	1	2"	170
REGULA 0	10	1	2"	170
REGULA 04	10	1	2"	170
REGULA 1	10	1	2"	170
REGULA 2	10	1	2"	170
REGULA 3	10	1	2"	170
REGULA 4	10	1	2"	170
RF 14	10	1	2"	158
RF 15	10	1	2"	158
RF 15 S	10	1	2"	158
RP 30	10	3/1	2"	190
RZ 25	10	3/1	2"	190
RZ 30	10	3/1	2"	190
RZ 35	10	3/1	2"	210
Z 25-0	10	3/1	2"	190
Z 25-01	10	3/1	2"	190
Z 25-1	10	3/1	2"	190
Z 30-1	10	3/1	2"	190
Z 30-2	10	3/1	2"	190
Z 30-3	10	3/1	2"	190
Z 30-4	10	3/1	2"	190
Z 30-5	10	3/1	2"	190
Z 30-5	10	1	2"	190
Z 32 SPEZ.	10	3	2"	190
Z 32 SPEZ.	10	1	2"	190
Z 32-1	10	3	2"	190
Z 32-1	10	1	2"	190
Z 32-2	10	3	2"	190
Z 32-2	10	1	2"	190
Z 32-3	10	3	2"	190
Z 32-3	10	1	2"	190
Z 32-4	10	3/1	2"	190
Z 32-5	10	3/1	2"	190
Z 35-1	10	3/1	2"	210
Z 35-2	10	3/1	2"	210
Z 35-3	10	3/1	2"	210
Z 36-1	10	3/1	2"	210
Z 36-2	10	3/1	2"	210
Z 36-3	10	3/1	2"	210

2 1/4" (Rp 1 1/2")

BP 40-1	10	3/1	2 1/4"	190
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Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
AX 10	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 12	10	1	2"	170	-							
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							
AX 13	10	1	2"	170	-							
AX 13-2	10	1	2"	180	-							
A 14	10	1	2"	170	-							
A 14-2	10	1	2"	180	-							
A 15	10	1	2"	170	-							
A 15	10	1	2"	170	-							
A 15-2	10	1	2"	180	-							
A 15-2	10	1	2"	180	-							
AX 12	10	1	2"	170	-							
AX 13	10	1	2"	170	-							
AX 12	10	1	2"	170	-							
AX 12	10	1	2"	170	-							
AX 12	10	1	2"	170	-							
AX 12	10	1	2"	170	-							
AX 13	10	1	2"	170	-							
A 14	10	1	2"	170	-							
A 14	10	1	2"	170	Q							
A 15	10	1	2"	170	Q							
A 15	10	1	2"	170	Q							
A 12-2	10	1	2"	180	13	pp1	9					
A 12-2	10	1	2"	180	13	pp1	9					
A 12-2	10	1	2"	180	13		9					
A 13	10	1	2"	170	17		9					
A 12-2	10	1	2"	180	13	pp1	9					
A 12-2	10	1	2"	180	13	pp1	9					
A 12-2	10	1	2"	180	13	pp1	9					
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	13	pp1	9					
A 12-2	10	1	2"	180	13	pp1	9					
A 12-2	10	1	2"	180	13	pp1	9					
A 12-2	10	1	2"	180	13	pp1	9					
A 15-2	10	1	2"	180	13		9					
A 15-2	10	1	2"	180	13		9					
A 15-2	10	1	2"	180	13		9					
A 15-2	10	1	2"	180	13		9					
A 15-2	10	1	2"	180	13		9					
A 15-2	10	1	2"	180	13		9					
A 15-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	13		9					
A 12-2	10	1	2"	180	13	pp1	9					
A 12	10	1	2"	170	17		9					
A 12	10	1	2"	170	17		9					
A 12	10	1	2"	170	17		9					
A 15-2	10	1	2"	180	13+15		9					
A 15-2	10	1	2"	180	13+15		9					
A 14-2	10	1	2"	180	13+15		9					

A 12	10	1	2"	170	21		9
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Biral →				
Typ	PN	3/1	G/DN	L
BP 40-2	10	3/1	2 1/4"	190
BP 40-3	10	3/1	2 1/4"	190
L 324	10	3/1	2 1/4"	190
NBP 40-1	10	3/1	2 1/4"	190
NBP 40-1 S	10	3	2 1/4"	190
NBP 40-2	10	3/1	2 1/4"	190
NBP 40-2 S	10	3	2 1/4"	190
NBP 40-3	10	3/1	2 1/4"	190
NRZ 35 (11/2")	10	3/1	2 1/4"	210
P 40-1	10	3/1	2 1/4"	190
P 40-2	10	3/1	2 1/4"	190
P 40-3	10	3/1	2 1/4"	190
RZ 35 (11/2")	10	3/1	2 1/4"	210
Z 35-1 (11/2")	10	3/1	2 1/4"	210
Z 35-2 (11/2")	10	3/1	2 1/4"	210
Z 35-3 (11/2")	10	3/1	2 1/4"	210

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
A 12	10	1	2"	170	21		9				
A 12	10	1	2"	170	21		9				
A 13	10	1	2"	170	21		9				
A 13	10	1	2"	170	21		9				
A 13	10	1	2"	170	21		9				
A 12	10	1	2"	170	21		9				
A 12	10	1	2"	170	21		9				
A 12	10	1	2"	170	21		9				
A 12	10	1	2"	170	21		9				
A 13	10	1	2"	170	15+21		9				
A 12	10	1	2"	170	21		9				
A 12	10	1	2"	170	21		9				
A 12	10	1	2"	170	21		9				
A 13	10	1	2"	170	15+21		9				
A 13	10	1	2"	170	15+21		9				
A 12	10	1	2"	170	15+21		9				
A 12	10	1	2"	170	15+21		9				

DN32

ModulA 32F-12 220 RED	6/16	1	32	220
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ModulA 32F-12 220 RED	6/16	1	32	220	-		
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DN 40

A 401	6/10	1	40	220
A 401-1	6/10	1	40	250
A 402	6/16	1	40	220
A 402 V2	6/16	1	40	220
A 402-1	6/16	1	40	250
A 402-1 V2	6/16	1	40	250
BZ 40-1	6/16	3/1	40	220
BZ 40-2	6/16	3/1	40	220
BZ 40-3	6/16	3/1	40	220
BZ 43-1	6/16	3/1	40	220
BZ 43-2	6/16	3/1	40	220
BZ 43-3	6/16	3/1	40	220
BZ 43-4	6/16	3/1	40	220
BZ 45-1	6/16	3/1	40	250
BZ 45-2	6/16	3/1	40	250
BZ 45-3	6/16	3/1	40	250
H 402	6/16	3/1	40	220
H 402-1	6/16	3/1	40	250
HX 402	6/16	3/1	40	220
HX 402-1	6/16	3/1	40	250
HXE 402	6/16	3/1	40	220
HXE 402-1	6/16	3/1	40	250
HXP 402	6/16	1	40	220
HXP 402-1	6/16	1	40	250
L 401	6/16	3/1	40	220
L 402	6/16	3/1	40	220
L 403	6/16	3/1	40	250
LE 403	6/16	1	40	250
LX 401	6/16	3/1	40	220
LX 402	6/16	3/1	40	220
LX 403	6/16	3/1	40	250
LXE 403	6/16	1	40	250
LXP 403	6/16	1	40	250

A 401	6/10	1	40	220	-		
A 401-1	6/10	1	40	250	-		
ModulA 40-10 220 RED	6/16	1	40	220	-		
ModulA 40-10 220 RED	6/16	1	40	220	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs1	9
A 401	6/10	1	40	220	-		9
A 401	6/10	1	40	220	-		9
A 401	6/10	1	40	220	-	pp1	9
A 401	6/10	1	40	220	-	pp1	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
ModulA 40-10 220 RED	6/16	1	40	220	-		9
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 40-10 220 RED	6/16	1	40	220	-		9
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 40-10 220 RED	6/16	1	40	220	-		9
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 40-10 220 RED	6/16	1	40	220	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-		
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-		
A 401-1	6/10	1	40	250	-		

Biral →				
Typ	PN	3/1	G/DN	L
ModulA 40-10 220 RED	6/16	1	40	220
ModulA 40-12 250 RED	6/16	1	40	250
ModulA 40-18 250 RED	6/16	1	40	250
NBZ 40-1	6/16	3/1	40	220
NBZ 40-1 S	6/16	3	40	220
NBZ 40-2	6/16	3/1	40	220
NBZ 40-2 S	6/16	3	40	220
NBZ 40-3	6/16	3/1	40	220
NBZ 40-3 S	6/16	3	40	220
NBZ 45-1	6/16	3/1	40	250
NBZ 45-1 S	6/16	3	40	250
NBZ 45-2	6/16	3/1	40	250
NBZ 45-3	6/16	3/1	40	250
Z 40-1	6/16	3/1	40	220
Z 40-2	6/16	3/1	40	220
Z 40-3	6/16	3/1	40	220
Z 40-4	6/16	3/1	40	220
Z 42-1	6/16	3/1	40	220
Z 42-2	6/16	3/1	40	220
Z 42-3	6/16	3/1	40	220
Z 42-4	6/16	3/1	40	220
Z 45-1	6/16	3/1	40	250
Z 45-2	6/16	3/1	40	250
Z 45-3	6/16	3/1	40	250

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 40-10 220 RED	6/16	1	40	220	-							
ModulA 40-12 250 RED	6/16	1	40	250	-							
ModulA 40-18 250 RED	6/16	1	40	250	-							
A 401	6/10	1	40	220	-	cs2	9					
A 401	6/10	1	40	220	-	cs2	9					
A 401	6/10	1	40	220	-	cs2	9					
A 401	6/10	1	40	220	-	cs2	9					
A 401	6/10	1	40	220	-	cs1	9					
A 401	6/10	1	40	220	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401	6/10	1	40	220	-	cs2	9					
A 401	6/10	1	40	220	-	cs2	9					
A 401	6/10	1	40	220	-	cs2	9					
A 401	6/10	1	40	220	-	cs2	9					
ModulA 40-10 220 RED	6/16	1	40	220	-		9					
ModulA 40-10 220 RED	6/16	1	40	220	-		9					
ModulA 40-10 220 RED	6/16	1	40	220	-		9					
ModulA 40-10 220 RED	6/16	1	40	220	-		9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					

DN 50

A 500	6/10	1	50	220
A 501	6/16	1	50	270
A 501 V2	6/16	1	50	270
A 502	6/16	1	50	270
A 502 V2	6/16	1	50	270
BP 50-1	6/16	3/1	50	220
BP 50-2	6/16	3/1	50	220
BP 50-3	6/16	3/1	50	220
BP 52-1	6/16	3/1	50	220
BP 52-2	6/16	3/1	50	220
BP 52-3	6/16	3/1	50	220
BZ 50-1	6/16	3/1	50	270
BZ 50-2	6/16	3/1	50	270
BZ 50-3	6/16	3/1	50	270
BZ 55-1	6/16	3/1	50	270
BZ 55-2	6/16	3/1	50	270
BZ 55-3	6/16	3/1	50	270
BZ 56-1	6/16	3/1	50	270
BZ 56-2	6/16	3/1	50	270
BZ 56-3	6/16	3/1	50	270
H 501	6/16	3/1	50	270
H 501-1	6/16	3/1	50	280
H 502	6/16	3/1	50	270
H 502-1	6/16	3/1	50	280
HX 501	6/16	3/1	50	270

A 500	6/10	1	50	220	-		
ModulA 50-6 240 RED	6/16	1	50	240	42		
ModulA 50-6 240 RED	6/16	1	50	240	42		
ModulA 50-12 270 RED	6/16	1	50	270	-		
ModulA 50-12 270 RED	6/16	1	50	270	-		
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		9
ModulA 50-6 240 RED	6/16	1	50	240	Q	cs1	9
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-12 270 RED	6/16	1	50	270	-		9
ModulA 50-12 270 RED	6/16	1	50	270	-		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-12 270 RED	6/16	1	50	270	-		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	-		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	-		9

Biral →				
Typ	PN	3/1	G/DN	L
HX 501-1	6/16	3/1	50	280
HX 502	6/16	3/1	50	270
HX 502-1	6/16	3/1	50	280
HXC 501	6/16	1	50	270
HXC 501-1	6/16	1	50	280
HXC 501-1B	6/16	1	50	280
HXC 501B	6/16	1	50	270
HXP 502	6/16	1	50	270
L 501	6/16	3/1	50	220
L 502	6/16	3/1	50	220
L 503	6/16	3/1	50	270
L 504	6/16	3/1	50	270
LE 504	6/16	1	50	270
LX 502	6/16	3/1	50	220
LX 503	6/16	3/1	50	270
LX 504	6/16	3/1	50	270
LXE 504	6/16	1	50	270
LXP 504	6/16	1	50	270
ModulA 50-6 240 RED	6/16	1	50	240
ModulA 50-12 270 RED	6/16	1	50	270
ModulA 50-18 270 RED	6/16	1	50	270
NBP 50-1	6/16	3/1	50	220
NBP 50-1 S	6/16	3	50	220
NBP 50-2	6/16	3/1	50	220
NBP 50-2 S	6/16	3	50	220
NBP 50-3	6/16	3/1	50	220
NBP 50-3 S	6/16	3	50	220
NBZ 50-1	6/16	3/1	50	270
NBZ 50-1 S	6/16	3	50	270
NBZ 50-2	6/16	3/1	50	270
NBZ 50-2 S	6/16	3	50	270
NBZ 50-3	6/16	3/1	50	270
NBZ 55-1	6/16	3/1	50	270
NBZ 55-1 S	6/16	3	50	270
NBZ 55-2	6/16	3/1	50	270
NBZ 55-3	6/16	3/1	50	270
P 50-1	6/16	3/1	50	220
P 50-2	6/16	3/1	50	220
P 50-3	6/16	3/1	50	220
Z 50-1	6/16	3/1	50	270
Z 50-2	6/16	3/1	50	270
Z 50-3	6/16	3/1	50	270
Z 50-4	6/16	3/1	50	270
Z 55-1	6/16	3/1	50	300
Z 55-2	6/16	3/1	50	300
Z 55-3	6/16	3/1	50	300

DN 65

A 651	6/16	1	65	340
A 651 V2	6/16	1	65	340
A 651-1 V2	6/16	1	65	270

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-12 270 RED	6/16	1	50	270	-		9					
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-12 270 RED	6/16	1	50	270	-							
ModulA 50-12 270 RED	6/16	1	50	270	41							
ModulA 50-12 270 RED	6/16	1	50	270	41		3					
ModulA 50-12 270 RED	6/16	1	50	270	-		3					
ModulA 50-12 270 RED	6/16	1	50	270	-							
A 500	6/10	1	50	220	-		9					
A 500	6/10	1	50	220	-		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42							
A 500	6/10	1	50	220	-		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42							
ModulA 50-6 240 RED	6/16	1	50	240	42							
ModulA 50-6 240 RED	6/16	1	50	240	-							
ModulA 50-12 270 RED	6/16	1	50	270	-							
ModulA 50-18 270 RED	6/16	1	50	270	-							
A 500	6/10	1	50	220	-		9					
A 500	6/10	1	50	220	-		9					
A 500	6/10	1	50	220	-		9					
A 500	6/10	1	50	220	-		9					
A 500	6/10	1	50	220	-		9					
A 500	6/10	1	50	220	-		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
A 500	6/10	1	50	220	-		9					
A 500	6/10	1	50	220	-		9					
A 500	6/10	1	50	220	-		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
ModulA 50-6 240 RED	6/16	1	50	240	42		9					
A 500	6/10	1	50	220	43		9					
A 500	6/10	1	50	220	43		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x42		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x42		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x42		9					

Biral					Biral hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
A 652	6/16	1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		
A 652 V2	6/16	1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		
BP 65-1	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-	cs1	9
BP 65-2	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-	cs1	9
BP 65-3	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
BZ 58-1	6/16	3/1	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
BZ 58-2	6/16	3/1	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
BZ 58-3	6/16	3/1	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50	cs2	9
BZ 60-1	6/16	3/1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
BZ 60-2	6/16	3/1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
BZ 60-3	6/16	3/1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
BZ 65-1	6/16	3/1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
BZ 65-2	6/16	3/1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
BZ 65-3	6/16	3/1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
H 652	6/16	3/1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		9
HX 652	6/16	3/1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		9
HXP 651	6/16	1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		
L 651	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
L 652	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
L 653	6/16	3/1	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
L 654	6/16	3/1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
L 655	6/16	3/1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		9
LC 650	6/16	1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		
LX 652	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
LX 653	6/16	3/1	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
LX 654	6/16	3/1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
LX 655	6/16	3/1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		9
LXC 655	6/16	1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		
LXC 655B	6/16	1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		3
LXP 654	6/16	1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-8 270 RED	6/16	1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		
ModulA 65-8 340 RED	6/16	1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-12 340 RED	6/16	1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		
ModulA 65-15 340 RED	6/16	1	65	340	ModulA 65-15 340 RED	6/16	1	65	340	-		
NBP 65-1	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
NBP 65-1 S	6/16	3	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
NBP 65-2	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
NBP 65-2 S	6/16	3	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
NBP 65-3	6/16	3/1	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
NBP 65-3 S	6/16	3	65	270	ModulA 65-8 270 RED	6/16	1	65	270	-		9
NBZ 58-1	6/16	3/1	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
NBZ 58-1 S	6/16	3	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
NBZ 58-2	6/16	3/1	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
NBZ 58-2 S	6/16	3	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
NBZ 58-3	6/16	3/1	65	300	ModulA 65-8 270 RED	6/16	1	65	270	50		9
NBZ 60-1	6/16	3/1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
NBZ 60-1 S	6/16	3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
NBZ 60-2	6/16	3/1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
NBZ 60-2 S	6/16	3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9

Biral →				
Typ	PN	3/1	G/DN	L
NBZ 60-3	6/16	3/1	65	340
NBZ 65-1	6/16	3/1	65	340
NBZ 65-1 S	6/16	3	65	340
NBZ 65-2	6/16	3/1	65	340
NBZ 65-3	6/16	3/1	65	340
P 65-1	6/16	3/1	65	270
P 65-2	6/16	3/1	65	270
P 65-3	6/16	3/1	65	270
P 65-4	6/16	3/1	65	270
Z 58-1	6/16	3/1	65	300
Z 58-2	6/16	3/1	65	300
Z 58-3	6/16	3/1	65	300
Z 60-1	6/16	3/1	65	340
Z 60-2	6/16	3/1	65	340
Z 60-3	6/16	3/1	65	340
Z 65-1	6/16	3/1	65	370
Z 65-2	6/16	3/1	65	370
Z 65-3	6/16	3/1	65	370
Z 65-4	6/16	3/1	65	370

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA 65-8 340 RED	6/16	1	65	340	-		9				
ModulA 65-12 340 RED	6/16	1	65	340	-		9				
ModulA 65-12 340 RED	6/16	1	65	340	-		9				
ModulA 65-12 340 RED	6/16	1	65	340	-		9				
ModulA 65-8 340 RED	6/16	1	65	340	-		9				
ModulA 65-8 270 RED	6/16	1	65	270	-		9				
ModulA 65-8 270 RED	6/16	1	65	270	-		9				
ModulA 65-8 270 RED	6/16	1	65	270	-		9				
ModulA 65-8 270 RED	6/16	1	65	270	-		9				
ModulA 65-8 270 RED	6/16	1	65	270	50		9				
ModulA 65-8 270 RED	6/16	1	65	270	50		9				
ModulA 65-8 270 RED	6/16	1	65	270	50	cs2	9				
ModulA 65-8 340 RED	6/16	1	65	340	-		9				
ModulA 65-8 340 RED	6/16	1	65	340	-		9				
ModulA 65-8 340 RED	6/16	1	65	340	-		9				
ModulA 65-12 340 RED	6/16	1	65	340	50		9				
ModulA 65-12 340 RED	6/16	1	65	340	50		9				
ModulA 65-8 340 RED	6/16	1	65	340	50		9				
ModulA 65-8 340 RED	6/16	1	65	340	50		9				

DN 80

A 801 V2	6/16	1	80	360
A 802	6/10	1	80	360
BP 80-1	6/16	3/1	80	370
BP 80-2	6/16	3/1	80	370
BP 80-3	6/16	3/1	80	370
BZ 78-1	6/16	3/1	80	370
BZ 78-2	6/16	3/1	80	370
BZ 78-3	6/16	3/1	80	370
BZ 80-1	6/16	3/1	80	400
BZ 80-2	6/16	3/1	80	400
BZ 80-3	6/16	3/1	80	400
BZ 85-1	6/16	3/1	80	400
BZ 85-2	6/16	3/1	80	400
BZ 85-3	6/16	3/1	80	400
H 802	6/16	3/1	80	360
HX 802	6/16	3/1	80	360
L 801	6/16	3/1	80	370
L 802	6/16	3/1	80	370
L 803	6/16	3/1	80	370
L 804	6/16	3/1	80	400
L 805	6/16	3/1	80	400
LC 800	6/16	3/1	80	400
LC 805	6/16	3	80	400
LX 802	6/16	3/1	80	370
LX 803	6/16	3/1	80	370
ModulA 80-8 360 RED	6/16	1	80	360
ModulA 80-12 360 RED	6/16	1	80	360
NBP 80-1	6/16	3/1	80	370
NBP 80-1 S	6/16	3	80	370
NBP 80-2	6/16	3/1	80	370

ModulA 80-8 360 RED	6/16	1	80	360	-		11
ModulA 80-12 360 RED	6/16	1	80	360	-		11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	-		11
ModulA 80-12 360 RED	6/16	1	80	360	-		11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11

Biral →				
Typ	PN	3/1	G/DN	L
NBP 80-2 S	6/16	3	80	370
NBP 80-3	6/16	3/1	80	370
NBP 80-3 S	6/16	3	80	370
NBZ 78-1	6/16	3/1	80	370
NBZ 78-1 S	6/16	3	80	370
NBZ 78-2	6/16	3/1	80	370
NBZ 78-3	6/16	3/1	80	370
NBZ 80-1	6/16	3/1	80	400
NBZ 80-1 S	6/16	3	80	400
NBZ 80-2	6/16	3/1	80	400
NBZ 80-3	6/16	3/1	80	400
NBZ 85-1	6/16	3/1	80	400
NBZ 85-1 S	6/16	3	80	400
NBZ 85-2	6/16	3/1	80	400
NBZ 85-2 S	6/16	3	80	400
NBZ 85-3	6/16	3/1	80	400
P 80-1	6/16	3/1	80	370
P 80-2	6/16	3/1	80	370
P 80-3	6/16	3/1	80	370
Z 78-1	6/16	3/1	80	370
Z 78-2	6/16	3/1	80	370
Z 78-3	6/16	3/1	80	370
Z 80-1	6/16	3/1	80	400
Z 80-2	6/16	3/1	80	400
Z 80-2	6/16	3/1	80	400
Z 80-3	6/16	3/1	80	400
Z 80-3	6/16	3/1	80	400
Z 80-3	6/16	3/1	80	400
Z 85-1	6/16	3/1	80	410
Z 85-2	6/16	3/1	80	410
Z 85-3	6/16	3/1	80	410

DN 100

A 1002	6/10	1	100	450
BP 100-1	6/16	3	100	450
BP 100-2	6/16	3	100	450
BP 100-3	6/16	3	100	450
BZ 100-1	6/16	3	100	450
BZ 100-2	6/16	3	100	450
BZ 100-3	6/16	3	100	450
BZ 100-4	6/16	3	100	450
L 1001	6/16	3	100	450
L 1002	6/16	3	100	450
L 1003	6/16	3	100	450
L 1004	6/16	3	100	450
LC 1003	6/16	3	100	450
ModulA 100-12 450 RED	6/16	1	100	450
NBP 100-1	6/16	3	100	450
NBP 100-1 S	6/16	3	100	450
NBP 100-2	6/16	3	100	450
NBP 100-2 S	6/16	3	100	450
NBP 100-3	6/16	3	100	450

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	59+60		9,11					
ModulA 80-12 360 RED	6/16	1	80	360	c		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	c		9,11					
ModulA 80-8 360 RED	6/16	1	80	360	c		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
VariA-E 100-10 450 4 3	6/16	3	100	450	-		11,13					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
VariA-E 100-10 450 4 3	6/16	3	100	450	-		11,13					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					

Biral →				
Typ	PN	3/1	G/DN	L
NBP 100-3 S	6/16	3	100	450
NBZ 100-1	6/16	3	100	450
NBZ 100-1 S	6/16	3	100	450
NBZ 100-2	6/16	3	100	450
NBZ 100-2 S	6/16	3	100	450
NBZ 100-3	6/16	3	100	450
NBZ 100-3 S	6/16	3	100	450
NBZ 100-4	6/16	3	100	450
NBZ 100-4 S	6/16	3	100	450
P 100-1	6/16	3	100	450
P 100-2	6/16	3	100	450
P 100-3	6/16	3	100	450
P 100-4	6/16	3	100	450
Z 100-1	6/16	3	100	450
Z 100-2	6/16	3	100	450
Z 100-3	6/16	3	100	450
Z 100-4	6/16	3	100	450
Z 100-5	6/16	3	100	450

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
VariA-E 100-10 450 4 3	6/16	3	100	450	-		11,13					
VariA-E 100-10 450 4 3	6/16	3	100	450	-		11,13					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
VariA-E 100-10 450 4 3	6/16	3	100	450	-		11,13					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					

Biral →				
Typ	PN	3/1	G/DN	L
NZBZ 40-3 S	6/16	3	40	220
NZBZ 45-1	6/16	3/1	40	250
NZBZ 45-1 S	6/16	3	40	250
NZBZ 45-2	6/16	3/1	40	250
NZBZ 45-3	6/16	3/1	40	250
ZBZ 40-1	6/16	3/1	40	220
ZBZ 40-2	6/16	3/1	40	220
ZBZ 40-3	6/16	3/1	40	220
ZBZ 45-1	6/16	3/1	40	250
ZBZ 45-2	6/16	3/1	40	250
ZBZ 45-3	6/16	3/1	40	250

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
AD 401	6/10	1	40	220	-	cs2	9				
AD 401	6/10	1	40	220	34	cs2	9				
AD 401	6/10	1	40	220	34	cs2	9				
AD 401	6/10	1	40	220	34	cs2	9				
AD 401	6/10	1	40	220	34	cs2	9				
AD 401	6/10	1	40	220	-	cs2	9				
AD 401	6/10	1	40	220	-	cs2	9				
AD 401	6/10	1	40	220	-	cs2	9				
AD 401	6/10	1	40	220	34		9				
AD 401	6/10	1	40	220	34		9				
AD 401	6/10	1	40	220	34	cs2	9				

DN 50

AD 501	6/16	1	50	270
AD 501 V2	6/16	1	50	270
AD 502	6/16	1	50	270
AD 502 V2	6/16	1	50	270
HD 501-1	6/16	3/1	50	280
HD 502-1	6/16	3/1	50	280
HXCD 501-1	6/16	1	50	280
HXCD 501-1B	6/16	1	50	280
HXD 501-1	6/16	1	50	280
HXD 502-1	6/16	1	50	280
HXPD 502	6/16	1	50	270
LD 503	6/16	3/1	50	270
LD 504	6/16	3/1	50	270
LED 504	6/16	1	50	270
LXD 503	6/16	3/1	50	270
LXD 504	6/16	3/1	50	270
LXED 504	6/16	1	50	270
LXPD 504	6/16	1	50	270
ModulA-D 50-6 240 RED	6/16	1	50	240
ModulA-D 50-12 270 RED	6/16	1	50	270
ModulA-D 50-18 270 RED	6/16	1	50	270
NZBZ 50-1	6/16	3/1	50	270
NZBZ 50-1 S	6/16	3	50	270
NZBZ 50-2	6/16	3/1	50	270
NZBZ 50-2 S	6/16	3	50	270
NZBZ 50-3	6/16	3/1	50	270
NZBZ 55-1	6/16	3/1	50	270
NZBZ 55-1 S	6/16	3	50	270
NZBZ 55-2	6/16	3/1	50	270
NZBZ 55-3	6/16	3/1	50	270
ZBZ 50-1	6/16	3/1	50	270
ZBZ 50-2	6/16	3/1	50	270
ZBZ 50-3	6/16	3/1	50	270
ZBZ 55-1	6/16	3/1	50	270
ZBZ 55-2	6/16	3/1	50	270
ZBZ 55-3	6/16	3/1	50	270

ModulA-D 50-6 240 RED	6/16	1	50	240	42		
ModulA-D 50-6 240 RED	6/16	1	50	240	42		
ModulA-D 50-12 270 RED	6/16	1	50	270	-		
ModulA-D 50-12 270 RED	6/16	1	50	270	-		
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9
ModulA-D 50-12 270 RED	6/16	1	50	270	41		
ModulA-D 50-12 270 RED	6/16	1	50	270	41		3
ModulA-D 50-12 270 RED	6/16	1	50	270	41		
ModulA-D 50-12 270 RED	6/16	1	50	270	-		
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		
ModulA-D 50-6 240 RED	6/16	1	50	240	42		
ModulA-D 50-12 270 RED	6/16	1	50	270	-		
ModulA-D 50-18 270 RED	6/16	1	50	270	-		
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9
ModulA-D 50-6 240 RED	6/16	1	50	240	42		9

DN 65

AD 651	6/16	1	65	340
AD 651 V2	6/16	1	65	340
AD 652	6/16	1	65	340
AD 652 V2	6/16	1	65	340
HD 652	6/16	3/1	65	340
HXD 652	6/16	3/1	65	340
HXPD 651	6/16	1	65	340
LCD 650	6/16	1	65	340
LD 653	6/16	3/1	65	300

ModulA-D 65-8 340 RED	6/16	1	65	340	-		
ModulA-D 65-8 340 RED	6/16	1	65	340	-		
ModulA-D 65-12 340 RED	6/16	1	65	340	-		
ModulA-D 65-12 340 RED	6/16	1	65	340	-		
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		
ModulA-D 65-8 340 RED	6/16	1	65	340	-		
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9

Biral →				
Typ	PN	3/1	G/DN	L
LD 654	6/16	3/1	65	340
LD 655	6/16	3/1	65	340
LXCD 655	6/16	1	65	340
LXCD 655B	6/16	1	65	340
LXD 653	6/16	3/1	65	300
LXD 654	6/16	3/1	65	340
LXD 655	6/16	3/1	65	340
LXPD 654	6/16	1	65	340
ModulA-D 65-8 340 RED	6/16	1	65	340
ModulA-D 65-12 340 RED	6/16	1	65	340
ModulA-D 65-15 340 RED	6/16	1	65	340
NZBZ 58-1	6/16	3/1	65	300
NZBZ 58-1 S	6/16	3	65	300
NZBZ 58-2	6/16	3/1	65	300
NZBZ 58-2 S	6/16	3	65	300
NZBZ 58-3	6/16	3/1	65	300
NZBZ 60-1	6/16	3/1	65	340
NZBZ 60-1 S	6/16	3	65	340
NZBZ 60-2	6/16	3/1	65	340
NZBZ 60-2 S	6/16	3	65	340
NZBZ 60-3	6/16	3/1	65	340
NZBZ 65-1	6/16	3/1	65	340
NZBZ 65-1 S	6/16	3	65	340
NZBZ 65-2	6/16	3/1	65	340
NZBZ 65-3	6/16	3/1	65	340
ZBZ 58-1	6/16	3/1	65	300
ZBZ 58-2	6/16	3/1	65	300
ZBZ 58-3	6/16	3/1	65	300
ZBZ 60-1	6/16	3	65	340
ZBZ 60-2	6/16	3	65	340
ZBZ 60-3	6/16	3	65	340
ZBZ 65-1	6/16	3	65	340
ZBZ 65-2	6/16	3	65	340
ZBZ 65-3	6/16	3	65	340

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-12 340 RED	6/16	1	65	340	-	cs2	9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-						
ModulA-D 65-8 340 RED	6/16	1	65	340	-		3				
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-12 340 RED	6/16	1	65	340	-	cs2	9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-						
ModulA-D 65-8 340 RED	6/16	1	65	340	-						
ModulA-D 65-12 340 RED	6/16	1	65	340	-						
ModulA-D 65-15 340 RED	6/16	1	65	340	-						
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	Q						
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-	cs2	9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-	cs2					
ModulA-D 65-8 340 RED	6/16	1	65	340	-	cs2	9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-	cs2	9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-	cs2	9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				

DN 80											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
AD 802	6/10	1	80	360							
HD 802	6/16	3/1	80	360							
HXD 802	6/16	3/1	80	360							
LCD 805	6/16	3/1	80	400							
LD 801	6/16	3/1	80	370							
LD 802	6/16	3/1	80	370							
LD 803	6/16	3/1	80	370							
LD 804	6/16	3/1	80	400							
LD 805	6/16	3/1	80	400							
LXD 802	6/16	3/1	80	370							
LXD 802	6/16	3/1	80	370							
LXD 803	6/16	3/1	80	370							
ModulA-D 80-8 360 RED	6/16	1	80	360							
ModulA-D 80-12 360 RED	6/16	1	80	360							
NZBP 80-1	6/16	3/1	80	370							
NZBP 80-1 S	6/16	3	80	370							
NZBP 80-2	6/16	3/1	80	370							
NZBP 80-2 S	6/16	3	80	370							
NZBP 80-3	6/16	3/1	80	370							
NZBP 80-3 S	6/16	3	80	370							
NZBZ 78-1	6/16	3/1	80	370							
NZBZ 78-1 S	6/16	3	80	370							
NZBZ 78-2	6/16	3/1	80	370							
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	-		11				
ModulA-D 80-12 360 RED	6/16	1	80	360	-		11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-12 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-12 360 RED	6/16	1	80	360	59		9,11				
ModulA-D 80-12 360 RED	6/16	1	80	360	59		9,11				

Biral →				
Typ	PN	3/1	G/DN	L
NZBZ 78-3	6/16	3/1	80	370
NZBZ 80-1	6/16	3/1	80	400
NZBZ 80-1 S	6/16	3	80	400
NZBZ 80-2	6/16	3/1	80	400
NZBZ 80-3	6/16	3/1	80	400
NZBZ 85-1	6/16	3/1	80	400
NZBZ 85-1 S	6/16	3	80	400
NZBZ 85-2	6/16	3/1	80	400
NZBZ 85-2 S	6/16	3	80	400
NZBZ 85-3	6/16	3/1	80	400
ZBP 80-1	6/16	3/1	80	370
ZBP 80-2	6/16	3/1	80	370
ZBP 80-3	6/16	3/1	80	370
ZBZ 78-2	6/16	3/1	80	370
ZBZ 78-3	6/16	3/1	80	370
ZBZ 80-1	6/16	3/1	80	400
ZBZ 80-2	6/16	3/1	80	400
ZBZ 80-3	6/16	3/1	80	400
ZBZ 85-1	6/16	3/1	80	400
ZBZ 85-2	6/16	3/1	80	400
ZBZ 85-3	6/16	3/1	80	400

DN 100

LD 1001	6/16	3	100	450
LD 1002	6/16	3	100	450
LD 1003	6/16	3	100	450
LD 1004	6/16	3	100	450
ModulA-D 100-12 450 RED	6/16	1	100	450
NZBP 100-1	6/16	3	100	450
NZBP 100-1 S	6/16	3	100	450
NZBP 100-2 S	6/16	3	100	450
NZBP 100-3	6/16	3	100	450
NZBP 100-3 S	6/16	3	100	450
NZBZ 100-1	6/16	3	100	450
NZBZ 100-1 S	6/16	3	100	450
NZBZ 100-2	6/16	3	100	450
NZBZ 100-2 S	6/16	3	100	450
NZBZ 100-3	6/16	3	100	450
NZBZ 100-3 S	6/16	3	100	450
NZBZ 100-4	6/16	3	100	450
NZBZ 100-4 S	6/16	3	100	450
ZBP 100-1	6/16	3	100	450
ZBP 100-2	6/16	3	100	450
ZBP 100-3	6/16	3	100	450
ZBZ 100-1	6/16	3	100	450
ZBZ 100-2	6/16	3	100	450
ZBZ 100-3	6/16	3	100	450
ZBZ 100-4	6/16	3	100	450

Biral hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	59		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11

ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11

Biral			
Typ	PN	3/1	L

Biral								
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.	

Biral						
Typ	PN	3/1	G/DN	L	Z	Bem.

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione	hocheffizient / high-efficiency / alta efficienza									selbstlernend / self-taught / autoapprendimento								
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

Biral			
Typ	PN	3/1	L

Biral hocheffizient / high-efficiency / alta efficienza								
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.	

Biral ungeregelt / unregulated / senza regolazione						
Typ	PN	3/1	G/DN	L	Z	Bem.

1 1/4" (Rp 3/4")

AXW 10	10	1	120	AXW 10	10	1	1 1/4"	120	-									
AXW 12	10	1	120	AXW 12	10	1	1 1/4"	120	-									
AXW 13	10	1	150	AXW 13	10	1	1 1/4"	150	-									
NBW 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			WX 10	10	1	1 1/4"	120	-	
NBW 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		WX 12	10	1	1 1/4"	120	-	
NBW 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		WX 13	10	1	1 1/4"	150	-	
NBW 313	10	3	150	AXW 13	10	1	1 1/4"	150	-	cs2	9	W 313	10	3	1 1/4"	150	-	
W 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			WX 10	10	1	1 1/4"	120	-	
W 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		WX 12	10	1	1 1/4"	120	-	
W 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		WX 13	10	1	1 1/4"	150	-	
W 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		WX 14	10	1	1 1/4"	150	-	
W 313	10	3	150	AXW 13	10	1	1 1/4"	150	-	cs2	9	W 313	10	3	1 1/4"	150	-	
W 314	10	3	150	AXW 13	10	1	1 1/4"	150	-	cs2	9	W 314	10	3	1 1/4"	150	-	
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			WX 10	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		WX 12	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		WX 13	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		WX 14	10	1	1 1/4"	150	-	

1 1/2" (Rp 1")

AXW 12-1	10	1	180	AXW 12-1	10	1	1 1/2"	180	-									
AXW 13-1	10	1	180	AXW 13-1	10	1	1 1/2"	180	-									

2" (Rp1 1/4")

AW 15-2	10	1	180	AW 15-2	10	1	2"	180	-									
AW 16-2	10	1	180	AW 16-2	10	1	2"	180	-									
G 301	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
G 302	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
G 303	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
G 304	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
G 305	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
G 351	10	3	210	AXW 13	10	1	1 1/4"	150	82	cs2	9	W 313	10	3	1 1/4"	150	82	
G 352	10	3	210	AXW 13	10	1	1 1/4"	150	82	cs2	9	W 313	10	3	1 1/4"	150	82	
NRW 30	10	1	190	AXW 13	10	1	1 1/4"	150	81	cs2		WX 13	10	1	1 1/4"	150	81	
NRW 30	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
NRW 35	10	1	210	AXW 13	10	1	1 1/4"	150	82	cs2		WX 13	10	1	1 1/4"	150	82	
NRW 35	10	3	210	AXW 13	10	1	1 1/4"	150	82	cs2	9	W 313	10	3	1 1/4"	150	82	
RW 1	10	1	170	AXW 13	10	1	1 1/4"	150	11	cs2		WX 13	10	1	1 1/4"	150	11	
RW 2	10	1	170	AXW 13	10	1	1 1/4"	150	11	cs2		WX 13	10	1	1 1/4"	150	11	
RW 30	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
RW 31	10	3	170	AXW 13	10	1	1 1/4"	150	11	cs2	9	W 313	10	3	1 1/4"	150	11	
RW 32	10	3	170	AXW 13	10	1	1 1/4"	150	11	cs2	9	W 313	10	3	1 1/4"	150	11	
RW 35	10	3	210	AXW 13	10	1	1 1/4"	150	82	cs2	9	W 313	10	3	1 1/4"	150	82	
W 301	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
W 302	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
W 303	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
W 304	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
W 305	10	3	190	AXW 13	10	1	1 1/4"	150	81	cs2	9	W 313	10	3	1 1/4"	150	81	
W 315	10	3	180	AW 15-2	10	1	2"	180	-		9	W 315	10	3	2"	180	-	
W 351	10	3	210	AXW 13	10	1	1 1/4"	150	82	cs2	9	W 313	10	3	1 1/4"	150	82	

Biral →			
Typ	PN	3/1	L
W 352	10	3	210
W 353	10	3	210

Biral										
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.			
AXW 13	10	1	1 1/4"	150	82	cs2	9			
AXW 13	10	1	1 1/4"	150	82	cs2	9			

Biral						
Typ	PN	3/1	G/DN	L	Z	Bem.
W 313	10	3	1 1/4"	150	82	
W 313	10	3	1 1/4"	150	82	

DN 40																		
Typ	PN	3/1	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.	Typ	PN	3/1	G/DN	L	Z	Bem.
AW 401-1	6/10	1	250	AW 401-1	6/10	1	40	250	-									
AW 402-1 V2	6/16	1	250	ModulA 40-12 250 BLUE	6/16	1	40	250	-									
BW 45-1	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	1
BW 45-2	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	1
G 451	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	1
ModulA 40-12 250 BLUE	6/16	1	250	ModulA 40-12 250 BLUE	6/16	1	40	250	-									
ModulA 40-18 250 BLUE	6/16	1	250	ModulA 40-18 250 BLUE	6/16	1	40	250	-									
NBW 45-1	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	1
NBW 45-2	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	1
W 401	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	
W 402	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 402	6/16	3/1	40	250	-	
W 403	6/16	3/1	250	ModulA 40-12 250 BLUE	6/16	1	40	250	-		9	W 403	6/16	3/1	40	250	-	
W 451	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	1
W 452	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	1
W 453	6/16	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-	1

DAB					Biral							
					hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
1" (Rp 1/2")												
A 65/130 1/2"		1	1"	130	A 14-1	10	1	1 1/2"	180	Q		
VA 35/130 1/2"		1	1"	130	AX 12-4	10	1	1"	130	-		
VA 55/130 1/2"		1	1"	130	AX 13-4	10	1	1"	130	-		
VA 65/130 1/2"		1	1"	130	A 14-1	10	1	1 1/2"	180	Q		
VA 65/130 1/2" A		1	1"	130	AX 13-4	10	1	1"	130	-		7
1 1/2" (Rp 1")												
A 35/130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
A 35/160		1	1 1/2"	160	AX 12-3	10	1	1 1/2"	130	c		
A 35/180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
A 55/130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
A 55/160		1	1 1/2"	160	AX 13-3	10	1	1 1/2"	130	c		
A 55/180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
A 65/130		1	1 1/2"	130	A 14-1	10	1	1 1/2"	180	Q		
A 65/180		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
AC 35/130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
AC 35/180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
AC 55/130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
AC 55/180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
AC 65/180		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
AC 80/180		1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
VA 35/130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
VA 35/180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
VA 55/130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
VA 55/180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
VA 65/130		1	1 1/2"	130	A 14-1	10	1	1 1/2"	180	Q		
VA 65/180		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
VEA 35/130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
VEA 35/180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
VEA 55/130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
VEA 55/180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
VEA 65/130		1	1 1/2"	130	A 14-1	10	1	1 1/2"	180	Q		
VEA 65/180		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
2" (Rp1 1/4")												
A 20/180 X M		1	2"	180	AX 12-2	10	1	2"	180	-		
A 50/180 X M		1	2"	180	A 15-2	10	1	2"	180	-		
A 50/180 X T		3	2"	180	A 15-2	10	1	2"	180	-		9
A 55/180 X		1	2"	180	AX 13-2	10	1	2"	180	-		
A 56/180 X M		1	2"	180	A 15-2	10	1	2"	180	-		
A 56/180 X T		3	2"	180	A 15-2	10	1	2"	180	-		9
A 65/180 X		1	2"	180	A 14-2	10	1	2"	180	-		
A 80/180 X M		1	2"	180	A 16-2	10	1	2"	180	-		
A 80/180 X T		3	2"	180	A 16-2	10	1	2"	180	-		9
AC 35/180 X		1	2"	180	AX 12-2	10	1	2"	180	-		
AC 55/180 X		1	2"	180	AX 13-2	10	1	2"	180	-		
AC 65/180 X		1	2"	180	A 14-2	10	1	2"	180	-		
AC 80/180 X		1	2"	180	A 15-2	10	1	2"	180	-		
VA 25/180 X		1	2"	180	AX 12-2	10	1	2"	180	-		
VA 35/180 X		1	2"	180	AX 12-2	10	1	2"	180	-		
VA 55/180 X		1	2"	180	AX 13-2	10	1	2"	180	-		
VA 65/180 X		1	2"	180	A 14-2	10	1	2"	180	-		
VEA 35/180 X		1	2"	180	AX 12-2	10	1	2"	180	-		
VEA 40/190 X M		1	2"	190	A 16-2	10	1	2"	180	13		
VEA 55/180 X		1	2"	180	AX 13-2	10	1	2"	180	-		
VEA 65/180 X		1	2"	180	A 14-2	10	1	2"	180	-		

DAB				
Typ	PN	3/1	G/DN	L
VEA 80/180 X M		1	2"	180

Biral										
hocheffizient / high-efficiency / alta efficienza										
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.			
A 15-2	10	1	2"	180	-					

Ovalflansch / Oval flange / Flangia ovale 1"-2"

B 35/120		1	25	120
B 55/120		1	25	120
B 65/120		1	25	120
VB 35/120		1	25	120
VB 55/120		1	25	120
VB 65/120		1	25	120
VEB 35/120		1	25	120
VEB 55/120		1	25	120
VEB 65/120		1	25	120

AX 12-3	10	1	1 1/2"	130	Q		
AX 13-3	10	1	1 1/2"	130	Q		
A 14-1	10	1	1 1/2"	180	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 13-3	10	1	1 1/2"	130	Q		
A 14-1	10	1	1 1/2"	180	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 13-3	10	1	1 1/2"	130	Q		
A 14-1	10	1	1 1/2"	180	Q		

DN 40

B 50/250.40 M	10	1	40	250
B 50/250.40 T	10	3	40	250
B 56/250.40 M	10	1	40	250
B 56/250.40 T	10	3	40	250
B 80/250.40 M	10	1	40	250
B 80/250.40 T	10	3	40	250
BM 30/250.40 T	10	3	40	250
BMH 30/250.40 T	10	3	40	250
BP 60/250.40 M	10	1	40	250
BP 60/250.40 T	10	3	40	250
BP 120/250.40 T	10	3	40	250
BPH 60/250.40 M	10	1	40	250
BPH 60/250.40 T	10	3	40	250
BPH 120/250.40 M	10	1	40	250
BPH 120/250.40T	10	3	40	250
BPH-E 60/250.40 M		1	40	250
BPH-E120/250.40 M		1	40	250
VEB 40/250.40 M	10	1	40	250
VEB 100/250.40 M	10	1	40	250

A 15	10	1	2"	170	c		
A 15	10	1	2"	170	c		9
A 15	10	1	2"	170	c		
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 40-12 250 RED	6/16	1	40	250	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		9
A 401-1	6/10	1	40	250	-		9
A 401-1	6/10	1	40	250	-	cs2	9
ModulA 40-12 250 RED	6/16	1	40	250	-	cs2	
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 50-12 270 RED	6/16	1	50	270	Q		9
ModulA 40-12 250 RED	6/16	1	40	250	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 50-12 270 RED	6/16	1	50	270	Q		
ModulA 50-12 270 RED	6/16	1	50	270	Q		9
ModulA 40-12 250 RED	6/16	1	40	250	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		
A 401-1	6/10	1	40	250	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		

DN 50

BM 30/280.50 T	10	3	50	280
BM 60/280.50 T	10	3	50	280
BMH 30/280.50 T	10	3	50	280
BMH 60/280.50 T	10	3	50	280
BP 60/280.50 M	10	1	50	280
BP 60/280.50 T	10	3	50	280
BPH 60/280.50 M	10	1	50	280
BPH 60/280.50 T	10	3	50	280
BPH120/280.50 T	10	3	50	280
BPH150/280.50 T	10	3	50	280
BPH-E60/280.50 M		1	50	280
BPH-E120/280.50 M		1	50	280
VEB 55/270.50 M	10	1	50	270

ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-12 270 RED	6/16	1	50	270	41		
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	41		
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-18 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	41		
ModulA 50-12 270 RED	6/16	1	50	270	41		
ModulA 50-6 240 RED	6/16	1	50	240	42		

DN 65

BM 30/340.65T	10	3	65	340
BM 60/340.65T	10	3	65	340
BMH 30/340.65T	10	3	65	340
BMH 60/340.65T	10	3	65	340
BP 60/340.65 M	10	1	65	340
BP 60/340.65 T	10	3	65	340
BP120/340.65 T	10	3	65	340
BPH 60/340.65 M	10	1	65	340
BPH 60/340.65 T	10	3	65	340

ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-8 340 RED	6/16	1	65	340	-		9

DAB →				
Typ	PN	3/1	G/DN	L
BPH120/340.65 T	10	3	65	340
BPH150/340.65 T	10	3	65	340
BPH180/340.65 T	10	3	65	340
BPH-E60/340.65 M		1	65	340
BPH-E120/340.65 M		1	65	340
BPH-E150/340.65 M		1	65	340
VEB 90/340.65 M	10	1	65	340

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-15 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-							
ModulA 65-12 340 RED	6/16	1	65	340	-							
ModulA 65-15 340 RED	6/16	1	65	340	-							
ModulA 65-8 340 RED	6/16	1	65	340	-							

DN 80				
Typ	PN	3/1	G/DN	L
BM 30/360.80 T	10	3	80	360
BM 60/360.80 T	10	3	80	360
BMH 30/360.80 T	10	3	80	360
BMH 60/360.80 T	10	3	80	360
BP 120/360.80 T	10	3	80	360
BPH120/360.80 T	10	3	80	360
BPH150/360.80 T	10	3	80	360
BPH-E120/360.80 M		1	80	360
VEB 90/400.80 T	10	3	80	400

ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA 80-12 360 RED	6/16	1	80	360	59+60		9,11

DN 100				
Typ	PN	3/1	G/DN	L
VEB110/450.100 T	10	3	100	450

ModulA 100-12 450 RED	6/16	1	100	450	-		9,11
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DAB				
Typ	PN	3/1	G/DN	L

Biral									
hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

DN 32													
D 55/220-32		1	32	220									
D 65/220-32		1	32	220									
VD 55/220.32		1	32	220									
VD 65/220.32		1	32	220									

DN 40													
D 50/250.40 M	10	1	40	250									
D 50/250.40 T	10	3	40	250									
D 56/250.40 M	10	1	40	250	AD 401	6/10	1	40	220	34			
D 56/250.40 T	10	3	40	250	AD 401	6/10	1	40	220	34		9	
D 80/250.40 M	10	1	40	250	AD 401	6/10	1	40	220	34			
D 80/250.40 T	10	3	40	250	AD 401	6/10	1	40	220	34		9	
DEB 40/250.40 M	10	1	40	250	AD 401	6/10	1	40	220	34			
DEB100/250.40 M	10	1	40	250	ModulA-D 40-12 250 RED	6/16	1	40	250	-			
DM 30/250.40 T	10	3	40	250	AD 401	6/10	1	40	220	34	cs2	9	
DMH 30/250.40 T	10	3	40	250	AD 401	6/10	1	40	220	34	cs2	9	
DP 60/250.40 M	10	1	40	250	AD 401	6/10	1	40	220	34			
DP 60/250.40 T	10	3	40	250	ModulA-D 40-12 250 RED	6/16	1	40	250	-		9	
DP 120/250.40 T	10	3	40	250	ModulA-D 40-12 250 RED	6/16	1	40	250	-		9	
DPH120/250.40 M	10	1	40	250	ModulA-D 40-12 250 RED	6/16	1	40	250	-			
DPH120/250.40 T	10	3	40	250	ModulA-D 40-12 250 RED	6/16	1	40	250	-		9	
DPH 60/250.40 M	10	1	40	250	AD 401	6/10	1	40	220	34			
DPH 60/250.40 T	10	3	40	250	ModulA-D 40-12 250 RED	6/16	1	40	250	-		9	

DN 50													
DEB 55/270.55 M	10	1	50	270	ModulA-D 50-6 240 RED	6/16	1	50	240	42			
DM 30/280.50 T	10	3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47	cs2	9	
DM 60/280.50 T	10	3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9	
DMH 30/280.50 T	10	3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47	cs2	9	
DMH 60/280.50 T	10	3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9	
DP 60/280.50 M	10	1	50	280	ModulA-D 50-12 270 RED	6/16	1	50	270	41			
DP 60/280.50 T	10	3	50	280	ModulA-D 50-12 270 RED	6/16	1	50	270	41		9	
DP 120/280.50 T	10	3	50	280	ModulA-D 50-12 270 RED	6/16	1	50	270	41		9	
DPH 60/280.50 M	10	1	50	280	ModulA-D 50-12 270 RED	6/16	1	50	270	41			
DPH 60/280.50 T	10	3	50	280	ModulA-D 50-12 270 RED	6/16	1	50	270	41		9	
DPH120/280.50 T	10	3	50	280	ModulA-D 50-12 270 RED	6/16	1	50	270	41		9	
DPH150/280.50 T	10	3	50	280	ModulA-D 50-18 270 RED	6/16	1	50	270	41			

DN 65													
DEB 90/340.40M	10	1	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-			
DM 30/340.65 T	10	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9	
DM 60/340.65 T	10	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9	
DMH 30/340.65 T	10	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9	
DMH 60/340.65 T	10	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9	
DP 60/340.65 M	10	1	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-			
DP 60/340.65 T	10	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9	
DP 120/340.65 T	10	3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-		9	
DPH 60/340.65 M	10	1	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-			
DPH 60/340.65 T	10	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9	
DPH120/340.65 T	10	3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-		9	
DPH150/340.65 T	10	3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-		9	

DN 80													
DEB 90/400.80 T	10	3	80	400	ModulA-D 80-12 360 RED	6/16	1	80	360	59+60		9,11	
DM 30/360.80 T	10	3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11	
DM 60/360.80 T	10	3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11	
DMH 30/360.80 T	10	3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11	
DMH 60/360.80 T	10	3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11	

DAB →					Biral hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
DP 120/360.80 T	10	3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
DPH120/360.80 T	10	3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
DPH150/360.80 T	10	3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
DN 100												
DEB110/450.100 T	10	3	100	450	ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11

DAB				Biral								Biral						
Typ	PN	3/1	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.	Typ	PN	3/1	G/DN	L	Z	Bem.

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione				hocheffizient / high-efficiency / alta efficienza								selbstlernend / self-taught / autoapprendimento						
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

DAB				Biral hocheffizient / high-efficiency / alta efficienza								Biral ungeregelt / unregulated / senza regolazione						
Typ	PN	3/1	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.	Typ	PN	3/1	G/DN	L	Z	Bem.

1 1/2" (Rp 1")

S 8/150		1	150	AXW 10	10	1	1 1/4"	120	83	cs1		WX 10	10	1	1 1/4"	120	83	
S 16/150		1	150	AXW 12	10	1	1 1/4"	120	83	cs2		WX 12	10	1	1 1/4"	120	83	
S 35/150		1	150	AXW 13	10	1	1 1/4"	150	Q	cs2		WX 13	10	1	1 1/4"	150	Q	
S 65/150		1	150	AW 401-1	6/10	1	40	250	Q			W 401	6/16	3/1	40	250	Q	1
VS 8/150		1	150	AXW 10	10	1	1 1/4"	120	83	cs1		WX 10	10	1	1 1/4"	120	83	
VS 16/150		1	150	AXW 12	10	1	1 1/4"	120	83	cs2		WX 12	10	1	1 1/4"	120	83	
VS 35/150		1	150	AXW 13	10	1	1 1/4"	150	Q	cs2		WX 13	10	1	1 1/4"	150	Q	
VS 65/150		1	150	AXW 13	10	1	1 1/4"	150	Q	cs3		WX 14	10	1	1 1/4"	150	Q	

Grundfos				
Typ	PN	3/1	G/DN	L

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				

1" (Rp 1/2")

ALPHA 15-40 130		1	1"	130
ALPHA 15-60 130		1	1"	130
ALPHA+ 15-40 130		1	1"	130
ALPHA+ 15-60 130		1	1"	130
ALPHA Pro 15-40 130		1	1"	130
ALPHA Pro 15-50 130		1	1"	130
ALPHA Pro 15-60 130		1	1"	130
ALPHA1 15-40 130		1	1"	130
ALPHA1 15-60 130		1	1"	130
ALPHA2 15-40 130		1	1"	130
ALPHA2 15-50 130		1	1"	130
ALPHA2 15-60 130		1	1"	130
ALPHA2 L 15-40 130		1	1"	130
ALPHA2 L 15-60 130		1	1"	130
UPE 15-40 130		1	1"	130
UPE 15-60 130		1	1"	130
UPS 15-20 130		1	1"	130
UPS 15-30 130		1	1"	130
UPS 15-40 130		1	1"	130
UPS 15-45 x16		1	1"	130
UPS 15-50 130		1	1"	130
UPS 15-60 130		1	1"	130

AX 12-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 12-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 12-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 12-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 12-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 12-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 12-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						
AX 13-4	10	1	1"	130	-						

1 1/4" (Rp 3/4")

ALPHA1 20-40 130		1	1 1/4"	130
ALPHA1 20-60 130		1	1 1/4"	130
ALPHA2 L 20-40 130		1	1 1/4"	130
ALPHA2 L 20-60 130		1	1 1/4"	130
UM 17-20		1	1 1/4"	130
UMS 17-20		1	1 1/4"	130
UP 15-12 x17		1	1 1/4"	130
UP 17-35		1	1 1/4"	130
UP 17-50		1	1 1/4"	130
UPS 15-20 x17		1	1 1/4"	130
UPS 15-35 x17		1	1 1/4"	130
UPS 15-45 x17		1	1 1/4"	130
UPS 17-35		1	1 1/4"	130
UPS 17-45		1	1 1/4"	130
UPS 17-60		1	1 1/4"	130
UPS 20-20 XD		1	1 1/4"	180
UPS 20-40 130		1	1 1/4"	130
UPS 20-40 XD		1	1 1/4"	180
UPS 20-50 130		1	1 1/4"	130
UPS 20-60 130		1	1 1/4"	130
UPS 20-60 XD		1	1 1/4"	180

AX 12-3	10	1	1 1/2"	130	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 12-3	10	1	1 1/2"	130	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 12-3	10	1	1 1/2"	130	Q						
AX 12-3	10	1	1 1/2"	130	Q						
AX 12-3	10	1	1 1/2"	130	Q						
AX 12-3	10	1	1 1/2"	130	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 12-3	10	1	1 1/2"	130	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 12-3	10	1	1 1/2"	130	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 12-1	10	1	1 1/2"	180	Q						
AX 12-3	10	1	1 1/2"	130	Q						
AX 12-1	10	1	1 1/2"	180	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 13-3	10	1	1 1/2"	130	Q						
AX 13-1	10	1	1 1/2"	180	Q						

1 1/2" (Rp 1")

ALPHA 25-40 130		1	1 1/2"	130
ALPHA 25-40 180		1	1 1/2"	180
ALPHA 25-40 A 180		1	1 1/2"	180
ALPHA 25-60 130		1	1 1/2"	130
ALPHA 25-60 180		1	1 1/2"	180
ALPHA 25-60 A 180		1	1 1/2"	180
ALPHA+ 25-40 130		1	1 1/2"	130
ALPHA+ 25-40 180		1	1 1/2"	180
ALPHA+ 25-40 A 180		1	1 1/2"	180
ALPHA+ 25-60 130		1	1 1/2"	130
ALPHA+ 25-60 180		1	1 1/2"	180
ALPHA+ 25-60 A 180		1	1 1/2"	180

AX 12-3	10	1	1 1/2"	130	-						
AX 12-1	10	1	1 1/2"	180	-						
AX 12-1	10	1	1 1/2"	180	-						7
AX 13-3	10	1	1 1/2"	130	-						
AX 13-1	10	1	1 1/2"	180	-						
AX 13-1	10	1	1 1/2"	180	-						7
AX 12-3	10	1	1 1/2"	130	-						
AX 12-1	10	1	1 1/2"	180	-						
AX 12-1	10	1	1 1/2"	180	-						7
AX 13-3	10	1	1 1/2"	130	-						
AX 13-1	10	1	1 1/2"	180	-						
AX 13-1	10	1	1 1/2"	180	-						7

Grundfos					Biral							
					hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
ALPHA Pro 25-40 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
ALPHA Pro 25-40 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
ALPHA Pro 25-40 A 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
ALPHA Pro 25-60 130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
ALPHA Pro 25-60 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
ALPHA Pro 25-60 A 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		7
ALPHA1 25-40 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
ALPHA1 25-40 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
ALPHA1 25-40 A 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
ALPHA1 25-60 130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
ALPHA1 25-60 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
ALPHA1 25-60 A 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		7
ALPHA2 25-40 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
ALPHA2 25-40 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
ALPHA2 25-40 A 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
ALPHA2 25-60 130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
ALPHA2 25-60 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
ALPHA2 25-60 A 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		7
ALPHA2 L 25-40 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
ALPHA2 L 25-40 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
ALPHA2 L 25-40 A 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
ALPHA2 L 25-60 130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
ALPHA2 L 25-60 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
ALPHA2 L 25-60 A 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		7
MAGNA 25-40		1	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		
MAGNA 25-60		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
MAGNA 25-80		1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
MAGNA 25-100		1	1 1/2"	180	A 16-1	10	1	1 1/2"	180	-		
MAGNA3 25-40		1	1 1/2"	180	A 13-1	10	1	1 1/2"	180	-		
MAGNA3 25-60		1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
MAGNA3 25-80		1	1 1/2"	180	A 16-1	10	1	1 1/2"	180	-		
MAGNA3 25-100		1	1 1/2"	180	A 16-1	10	1	1 1/2"	180	-		
MAGNA3 25-120		1	1 1/2"	180	A 16-1	10	1	1 1/2"	180	-		12
UM 18-20		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
UM 19-20		1	1 1/2"	160	AX 12-3	10	1	1 1/2"	130	c		
UM 20-13		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UM 20-15		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UM 20-20		3	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		9
UM 20-20		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UM 25-20		3	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		9
UM 25-20 TH		3	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		9
UM 26-20		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UMS 18-20		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
UMS 19-20		1	1 1/2"	160	AX 12-3	10	1	1 1/2"	130	c		
UMS 20-20		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UMS 21-20		1	1 1/2"	120	AX 12-3	10	1	1 1/2"	130	Q		
UMS 25-20		1	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		
UP 15-12X20		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		
UP 18-35		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
UP 18-50		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
UP 19-35		1	1 1/2"	160	AX 12-3	10	1	1 1/2"	130	c		
UP 19-50		1	1 1/2"	160	AX 13-3	10	1	1 1/2"	130	c		
UP 20-20		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UP 20-35		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UP 20-45		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UP 20-50		3	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		9
UP 20-50		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UP 25-25		3	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		9

Grundfos					Biral							
					hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
UP 25-55 TH		3	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		9
UP 25-80		3	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		9
UP 25-80 TH		3	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		9
UP 26-35		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UP 26-50		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UP 26-65		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
UP 26-80		3	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		9
UP 26-80		3	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		9
UPE 25-25		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UPE 25-25 A		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
UPE 25-40		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UPE 25-40 A		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
UPE 25-60		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UPE 25-60 A		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UPE 25-80		1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
UPI 15-35X20		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UPM 18-35		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
UPM 19-35		1	1 1/2"	160	AX 12-3	10	1	1 1/2"	130	c		
UPM 20-35		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UPS 15-20X20		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UPS 15-35X18		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
UPS 15-35X20		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UPS 15-45X18		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
UPS 15-45X20		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UPS 15-50X18		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
UPS 15-50X21		1	1 1/2"	120	AX 13-3	10	1	1 1/2"	130	Q		
UPS 18-35		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
UPS 18-45		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
UPS 18-60		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
UPS 19-35		1	1 1/2"	160	AX 12-3	10	1	1 1/2"	130	c		
UPS 19-45		1	1 1/2"	160	AX 13-3	10	1	1 1/2"	130	c		
UPS 19-60		1	1 1/2"	160	AX 13-3	10	1	1 1/2"	130	c		
UPS 20-35		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UPS 20-45		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UPS 20-60		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UPS 21-35		1	1 1/2"	120	AX 12-3	10	1	1 1/2"	130	Q		
UPS 21-45		1	1 1/2"	120	AX 13-3	10	1	1 1/2"	130	Q		
UPS 21-60		1	1 1/2"	120	AX 13-3	10	1	1 1/2"	130	Q		
UPS 22-35		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
UPS 22-45		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
UPS 22-60		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		7
UPS 23-35		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
UPS 23-45		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
UPS 23-60		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		7
UPS 25-20		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-	pp1	9
UPS 25-20		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		
UPS 25-20 A		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		7
UPS 25-25		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		
UPS 25-30		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		
UPS 25-30 A		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		7
UPS 25-40		3	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		9
UPS 25-40		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
UPS 25-40 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
UPS 25-40 A		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		7
UPS 25-50		3	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		9
UPS 25-50		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UPS 25-55		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
UPS 25-60		3	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		9

Grundfos →				
Typ	PN	3/1	G/DN	L
UPS 25-60		1	1 1/2"	180
UPS 25-60 A		1	1 1/2"	180
UPS 25-80		1	1 1/2"	180
UPS 25-120		1	1 1/2"	180
UPS 25-125		1	1 1/2"	180
UPS 26-50		1	1 1/2"	180
UPS 26-80		1	1 1/2"	180

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
AX 13-1	10	1	1 1/2"	180	-						
AX 13-1	10	1	1 1/2"	180	-		7				
A 15-1	10	1	1 1/2"	180	-						
A 14-1	10	1	1 1/2"	180	-						
A 15-1	10	1	1 1/2"	180	-						

2" (Rp1 1/4")

ALPHA 32-40 180		1	2"	180
ALPHA 32-60 180		1	2"	180
ALPHA+ 32-40 180		1	2"	180
ALPHA+ 32-60 180		1	2"	180
ALPHA Pro 32-40 180		1	2"	180
ALPHA Pro 32-60 180		1	2"	180
ALPHA1 32-40 180		1	2"	180
ALPHA1 32-60 180		1	2"	180
ALPHA2 32-40 180		1	2"	180
ALPHA2 32-60 180		1	2"	180
ALPHA2 L 32-40 180		1	2"	180
ALPHA2 L 32-60 180		1	2"	180
GD 30		3	2"	206
MAGNA 32-40	6/10	1	2"	180
MAGNA 32-60	6/10	1	2"	180
MAGNA 32-80	6/10	1	2"	180
MAGNA 32-100	6/10	1	2"	180
MAGNA3 32-40	6/10	1	2"	180
MAGNA3 32-60	6/10	1	2"	180
MAGNA3 32-80	6/10	1	2"	180
MAGNA3 32-100	6/10	1	2"	180
UM 32-20		3	2"	180
UM 36-20		1	2"	200
UMS 32-20		1	2"	180
UMS 36-20		1	2"	200
UP 32-25		3	2"	180
UP 32-55		3	2"	180
UP 32-55G		3	2"	180
UP 32-80		3	2"	180
UP 40-75(R)		3	2"	180
UP 40-80		3	2"	180
UP 42-42		3	2"	180
UP 42-50		3	2"	200
UPE 32-40		1	2"	180
UPE 32-60		1	2"	180
UPE 32-80		1	2"	180
UPS 15-35X40		1	2"	180
UPS 15-45X40		1	2"	180
UPS 32-20		1	2"	180
UPS 32-25		1	2"	200
UPS 32-30		1	2"	180
UPS 32-40		1	2"	180
UPS 32-50		3	2"	180
UPS 32-50		1	2"	180
UPS 32-55		1	2"	180
UPS 32-55 G		1	2"	180
UPS 32-60		1	2"	180
UPS 32-80		3	2"	180
UPS 32-80		1	2"	180
UPS 40-35		1	2"	180

AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 12-2	10	1	2"	180	c	pp1	9
A 12-2	10	1	2"	180	-		
A 14-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		
A 14-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		
A 12-2	10	1	2"	180	-		9
A 12-2	10	1	2"	180	15		
AX 12-2	10	1	2"	180	-		
A 12-2	10	1	2"	180	15		
A 12-2	10	1	2"	180	-		9
A 16-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		9
A 16-2	10	1	2"	180	-		9
A 13-2	10	1	2"	180	-	pp1	9
A 15-2	10	1	2"	180	15		9
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	15		
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		9
AX 13-2	10	1	2"	180	-		
A 14-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		

Grundfos →				
Typ	PN	3/1	G/DN	L
UPS 40-45		1	2"	180
UPS 40-80 R		1	2"	180
UPS 42-50 R		1	2"	200

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
AX 13-2	10	1	2"	180	-						
A 15-2	10	1	2"	180	-						
A 14-2	10	1	2"	180	15						

Ovalflansch / Oval flange / Flangia ovale 1"-2"

UM 21-15 V		1	1"-2"	120
UM 21-20		1	1"-2"	120
UM 21-20 V		1	1"-2"	120
UP 21-20 V		1	1"-2"	120
UP 21-35		1	1"-2"	120
UP 21-35 V		1	1"-2"	120
UP 21-50		1	1"-2"	120
UP 21-50 V		1	1"-2"	120
UP 31-20 V		1	1"-2"	120
UP 31-35 V		1	1"-2"	120
UP 31-50 V		1	1"-2"	120
UPM 21-35 V		1	1"-2"	120
UPS 15-35X21		1	1"-2"	120
UPS 15-45X21		1	1"-2"	120
UPS 21-45		1	1"-2"	120

AX 12-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 13-3	10	1	1 1/2"	130	Q		
AX 13-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 13-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 12-3	10	1	1 1/2"	130	Q		
AX 13-3	10	1	1 1/2"	130	Q		
AX 13-3	10	1	1 1/2"	130	Q		

DN 32 (4-Kantl/...)

GF 35		3	32 4kt	200
GF 45		3	32 4kt	200
UM 36-20 F		3/1	32 4kt	200
UM 40-12 F		3	32 4kt	200
UM 40-18 F		3	32 4kt	200
UMS 36-20 F		1	32 4kt	200
UP 32-0		3	32 4kt	200
UP 32-1		3	32 4kt	200
UP 32-2		3	32 4kt	200
UP 32-3		3	32 4kt	200
UP 35		3	32 4kt	200
UP 40-37 F		3/1	32 4kt	200
UP 40-50 F		3	32 4kt	200
UP 45		3	32 4kt	200
VP 32-1		3	32 4kt	200
VP 32-2		3	32 4kt	200
VP 32-3		3	32 4kt	200
VP 35		3	32 4kt	200
VP 45		3	32 4kt	200

A 12-2	10	1	2"	180	70	pp1	9
A 16-2	10	1	2"	180	70	cs2	9
A 12-2	10	1	2"	180	70	pp1	9
A 13-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 16-2	10	1	2"	180	70	cs2	9
A 16-2	10	1	2"	180	70	cs2	9
A 16-2	10	1	2"	180	70	cs2	9
A 12-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 12-2	10	1	2"	180	70	pp1	9
A 16-2	10	1	2"	180	70	cs2	9

DN 32

MAGNA 32-80F	6/10	1	32	220
MAGNA 32-100F	6/10	1	32	220
MAGNA 32-120F	6/10	1	32	220
MAGNA3 32-40 F	6/10	1	32	220
MAGNA3 32-60 F	6/10	1	32	220
MAGNA3 32-80 F	6/10	1	32	220
MAGNA3 32-100 F	6/10	1	32	220
MAGNA3 32-120 F	6/10	1	32	220
UMC 32-30		3/1	32	220
UMK 32-30		3/1	32	220
UPC 32-60		3/1	32	220
UPC 32-120		3/1	32	220
UPE 32-80 F		1	32	220
UPE 32-120 F		1	32	220
UPK 32-60		3/1	32	220
UPK 32-120		3/1	32	220
UPS 32-30 F		3/1	32	220
UPS 32-60 F		3/1	32	220

A 15-2	10	1	2"	180	25		
A 16-2	10	1	2"	180	25		
ModulA 32F-12 220 RED	6/16	1	32	220	-		
A 13-2	10	1	2"	180	25		
A 15-2	10	1	2"	180	25		
A 16-2	10	1	2"	180	25		
A 16-2	10	1	2"	180	25		
ModulA 32F-12 220 RED	6/16	1	32	220	-		
A 13-2	10	1	2"	180	25	pp1	9
A 13-2	10	1	2"	180	25	pp1	9
A 15-2	10	1	2"	180	25		9
A 16-2	10	1	2"	180	25		9
A 15-2	10	1	2"	180	25		
A 16-2	10	1	2"	180	25		
A 15-2 KW	10	1	2"	180	25		9
A 16-2 KW	10	1	2"	180	25		9
A 13-2	10	1	2"	180	25	pp1	9
A 14-2	10	1	2"	180	25		9

Grundfos				
Typ	PN	3/1	G/DN	L
UPS 32-120 F		3/1	32	220

DN 40

GD 40		3	40	220
MAGNA 40-60 F	6/10	1	40	220
MAGNA 40-80 F	6/10	1	40	220
MAGNA 40-100 F	6/10	1	40	220
MAGNA 40-120 F	6/10	1	40	250
MAGNA3 40-40 F	6/10	1	40	220
MAGNA3 40-60 F	6/10	1	40	220
MAGNA3 40-80 F	6/10	1	40	220
MAGNA3 40-100 F	6/10	1	40	220
MAGNA3 40-120 F	6/10	1	40	250
MAGNA3 40-150 F	6/10	1	40	250
MAGNA3 40-180 F	6/10	1	40	250
UMC 40-30		3/1	40	250
UMC 40-60		3/1	40	250
UMK 40-30		3/1	40	250
UMK 40-60		3/1	40	250
UMS 40-30		3/1	40	250
UP 40-37		3	40	200
UP 40-75 F		1	40	200
UP 42-42 (F)		3	40	250
UP 42-42 (F)		1	40	250
UP 42-50 F		3	40	250
UP 42-70 F		3	40	250
UP 42-80 F		3	40	250
UPC 40-60		3/1	40	250
UPC 40-120		3/1	40	250
UPE 40-80 F		1	40	250
UPE 40-120		1	40	250
UPK 40-60		3/1	40	250
UPK 40-120		3/1	40	250
UPK 40-180		3/1	40	250
UPS 40-30 F		3/1	40	250
UPS 40-50 F		1	40	250
UPS 40-60		3/1	40	250
UPS 40-60/2 F		3/1	40	250
UPS 40-60/4 F		3/1	40	250
UPS 40-120		3	40	250
UPS 40-120 F		3/1	40	250
UPS 40-180 F		3/1	40	250
UPS 42-50 F		1	40	250
UPS 42-80 F		1	40	250
UPS 48-80 F 250		3	40	250

DN 50

GD 50		3	50	240
MAGNA 50-60 F	6/10	1	50	280
MAGNA 50-100 F	6/10	1	50	240
MAGNA 50-120 F	6/10	1	50	280
MAGNA3 50-40 F	6/10	1	50	240
MAGNA3 50-60 F	6/10	1	50	240
MAGNA3 50-80 F	6/10	1	50	240
MAGNA3 50-100 F	6/10	1	50	280
MAGNA3 50-120 F	6/10	1	50	280
MAGNA3 50-150 F	6/10	1	50	280
MAGNA3 50-180 F	6/10	1	50	280
UMC 50-30		3/1	50	280
UMC 50-60		3/1	50	280

Biral									
hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		
A 16-2	10	1	2"	180	25		9		

A 13-2	10	1	2"	180	c	pp1	9		
A 401	6/10	1	40	220	-				
A 401	6/10	1	40	220	-				
A 401	6/10	1	40	220	-				
ModulA 40-12 250 RED	6/16	1	40	250	-				
A 401	6/10	1	40	220	-				
ModulA 40-10 220 RED	6/16	1	40	220	-				
ModulA 40-10 220 RED	6/16	1	40	220	-				
ModulA 40-10 220 RED	6/16	1	40	220	-				
ModulA 40-12 250 RED	6/16	1	40	250	-				
ModulA 40-18 250 RED	6/16	1	40	250	-				
ModulA 40-18 250 RED	6/16	1	40	250	-				
A 401-1	6/10	1	40	250	-	cs2	9		
A 401-1	6/10	1	40	250	-		9		
A 401-1 KW	10	1	40	250	-	cs2	9		
A 401-1 KW	10	1	40	250	-		9		
A 401-1	6/10	1	40	250	-	cs2	9		
A 13	10	1	2"	170	29	cs2	9		
A 15	10	1	2"	170	29				
A 401-1	6/10	1	40	250	-	cs2	9		
A 401-1	6/10	1	40	250	-	cs2			
A 401-1	6/10	1	40	250	-	cs2	9		
A 401-1	6/10	1	40	250	-	cs2	9		
A 401-1	6/10	1	40	250	-		9		
A 401-1	6/10	1	40	250	-		9		
ModulA 40-12 250 RED	6/16	1	40	250	-		9		
ModulA 40-10 220 RED	6/16	1	40	220	34				
ModulA 40-12 250 RED	6/16	1	40	250	-				
A 401-1 KW	10	1	40	250	-		9		
ModulA 40-12 250 GREEN	6/16	1	40	250	-		9		
ModulA 40-18 250 GREEN	6/16	1	40	250	-				
A 401-1	6/10	1	40	250	-	cs2	9		
A 401-1	6/10	1	40	250	-	cs2			
A 401-1	6/10	1	40	250	-		9		
ModulA 40-10 220 RED	6/16	1	40	220	34		9		
ModulA 40-10 220 RED	6/16	1	40	220	34		9		
ModulA 40-12 250 RED	6/16	1	40	250	-		9		
ModulA 40-12 250 RED	6/16	1	40	250	-		9		
ModulA 40-18 250 RED	6/16	1	40	250	-				
A 401-1	6/10	1	40	250	-	cs2			
ModulA 40-10 220 RED	6/16	1	40	220	34				
ModulA 40-10 220 RED	6/16	1	40	220	34		9		

A 500	6/10	1	50	220	47		9	
ModulA 50-6 240 RED	6/16	1	50	240	2x47			
A 500	6/10	1	50	220	47			
ModulA 50-12 270 RED	6/16	1	50	270	41			
ModulA 50-6 240 RED	6/16	1	50	240	-			
ModulA 50-6 240 RED	6/16	1	50	240	-			
ModulA 50-12 270 RED	6/16	1	50	270	Q			
ModulA 50-12 270 RED	6/16	1	50	270	41			
ModulA 50-12 270 RED	6/16	1	50	270	41			
ModulA 50-18 270 RED	6/16	1	50	270	41			
ModulA 50-18 270 RED	6/16	1	50	270	41			
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9	
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9	

Grundfos →				
Typ	PN	3/1	G/DN	L
UMK 50-30		3/1	50	280
UMK 50-60		3/1	50	280
UMS 50-30		3	50	280
UMS 50-60		3/1	50	280
UP 50-60		3	50	280
UPC 50-60		3/1	50	280
UPC 50-120		3/1	50	280
UPE 50-60		1	50	280
UPE 50-80 F		1	50	280
UPE 50-120		3	50	280
UPE 50-120 F		3	50	280
UPK 50-60		3/1	50	280
UPK 50-120		3/1	50	280
UPK 50-180		3/1	50	280
UPS 50-30 F		3/1	50	280
UPS 50-60		3	50	280
UPS 50-60/2 F		3/1	50	280
UPS 50-60/4 F		3/1	50	280
UPS 50-120		3	50	280
UPS 50-120 F		3/1	50	280
UPS 50-180 F		3/1	50	280

DN 65

GD 65		3	65	280
MAGNA 65-60 F	6/10	1	65	340
MAGNA 65-120 F	6/10	1	65	340
MAGNA3 65-40 F	6/10	1	65	340
MAGNA3 65-60 F	6/10	1	65	340
MAGNA3 65-80 F	6/10	1	65	340
MAGNA3 65-100 F	6/10	1	65	340
MAGNA3 65-120 F	6/10	1	65	340
MAGNA3 65-150 F	6/10	1	65	340
UM 65-26		3	65	340
UMC 65-30		3/1	65	340
UMC 65-60		3/1	65	340
UMK 65-30		3/1	65	340
UMK 65-60		3/1	65	340
UMS 65-30		3	65	340
UMS 65-60		3/1	65	340
UP 65-75		3	65	340
UP 65-79		3	65	340
UP 65-90		3	65	340
UPC 65-60		3/1	65	340
UPC 65-120		3/1	65	340
UPE 65-60		1	65	340
UPE 65-120		1	65	340
UPE 65-120 F		1	65	340
UPK 65-60		3/1	65	340
UPK 65-120		3/1	65	340
UPK 65-180		3	65	340
UPS 65-30 F		3/1	65	340
UPS 65-60		3	65	340
UPS 65-60/2 F		3/1	65	340
UPS 65-60/4 F		3/1	65	340
UPS 65-120		3	65	340
UPS 65-120 C		3	65	340
UPS 65-120 F		3/1	65	340
UPS 65-180 F		3/1	65	340

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA 50-6 240 GREEN	6/16	1	50	240	2x47		9				
ModulA 50-6 240 GREEN	6/16	1	50	240	2x47		9				
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA 50-12 270 RED	6/16	1	50	270	41		9,12				
ModulA 50-6 240 RED	6/16	1	50	240	2x47						
ModulA 50-12 270 RED	6/16	1	50	270	41						
ModulA 50-12 270 RED	6/16	1	50	270	41		9,12				
ModulA 50-12 270 RED	6/16	1	50	270	41		9,12				
ModulA 50-6 240 GREEN	6/16	1	50	240	2x47		9				
ModulA 50-12 270 GREEN	6/16	1	50	270	41		9				
ModulA 50-18 270 GREEN	6/16	1	50	270	41						
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA 50-12 270 RED	6/16	1	50	270	41		9				
ModulA 50-12 270 RED	6/16	1	50	270	41		9				
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA 50-12 270 RED	6/16	1	50	270	41		9				
ModulA 50-12 270 RED	6/16	1	50	270	41		9				
ModulA 50-18 270 RED	6/16	1	50	270	41						

ModulA 65-8 270 RED	6/16	1	65	270	56		9
ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-12 340 RED	6/16	1	65	340	-		
ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-12 340 RED	6/16	1	65	340	-		
ModulA 65-12 340 RED	6/16	1	65	340	-		
ModulA 65-15 340 RED	6/16	1	65	340	-		
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 GREEN	6/16	1	65	340	-		9
ModulA 65-12 340 GREEN	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9

Grundfos				
Typ	PN	3/1	G/DN	L

DN 80				
GD 80		3	80	330
MAGNA3 80-40 F	6/10	1	80	360
MAGNA3 80-60 F	6/10	1	80	360
MAGNA3 80-80 F	6/10	1	80	360
MAGNA3 80-100 F	6/10	1	80	360
MAGNA3 80-120 F	6/10	1	80	360
UM 80-50	6	3	80	360
UMC 80-30	6	3	80	360
UMC 80-60	6	3	80	360
UMK 80-30	6	3	80	360
UMK 80-60	6	3	80	360
UMS 80-30	6	3	80	360
UMS 80-60	6	3	80	360
UP 80-96		3	80	360
UP 80-113		3	80	360
UPC 80-120		3	80	360
UPE 80-120		3	80	360
UPE 80-120 F		3	80	360
UPK 80-120		3	80	360
UPS 80-30 F	6	3	80	360
UPS 80-60 F	6	3	80	360
UPS 80-120		3	80	360
UPS 80-120 C		3	80	360
UPS 80-120 F		3	80	360

DN 100				
GD 100		3	100	380
MAGNA3 100-40 F	6/10	1	100	450
MAGNA3 100-60 F	6/10	1	100	450
MAGNA3 100-80 F	6/10	1	100	450
MAGNA3 100-100 F	6/10	1	100	450
MAGNA3 100-120 F	6/10	1	100	450
UMC 100-30		3	100	450
UMC 100-60		3	100	450
UMK 100-30		3	100	450
UMK 100-60		3	100	450
UMS 100-30		3	100	450
UMS 100-60		3	100	450
UPE 100-60		3	100	450
UPE 100-60 F		3	100	450
UPS 100-30 F		3	100	450

DN 125				
GD 125		3	125	450

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				

ModulA 80-8 360 RED	6/16	1	80	360	Q						9,11
ModulA 80-8 360 RED	6/16	1	80	360	-						11
ModulA 80-8 360 RED	6/16	1	80	360	-						11
ModulA 80-8 360 RED	6/16	1	80	360	-						11
ModulA 80-12 360 RED	6/16	1	80	360	-						11
ModulA 80-12 360 RED	6/16	1	80	360	-						11
ModulA 80-8 360 RED	6/16	1	80	360	-						9,11
ModulA 80-8 360 RED	6/16	1	80	360	-						9,11
ModulA 80-8 360 RED	6/16	1	80	360	-						9,11
ModulA 80-8 360 GREEN	6/16	1	80	360	-						9,11
ModulA 80-8 360 GREEN	6/16	1	80	360	-						9,11
ModulA 80-8 360 RED	6/16	1	80	360	-						9,11
ModulA 80-8 360 RED	6/16	1	80	360	-						9,11
ModulA 80-12 360 RED	6/16	1	80	360	-						9,11
ModulA 80-12 360 RED	6/16	1	80	360	-						9,11
ModulA 80-12 360 RED	6/16	1	80	360	-						9,11
ModulA 80-12 360 RED	6/16	1	80	360	-						9,11
ModulA 80-12 360 GREEN	6/16	1	80	360	-						9,11
ModulA 80-8 360 RED	6/16	1	80	360	-						9,11
ModulA 80-8 360 RED	6/16	1	80	360	-						9,11
ModulA 80-12 360 RED	6/16	1	80	360	-						9,11
ModulA 80-12 360 RED	6/16	1	80	360	-						9,11
ModulA 80-12 360 RED	6/16	1	80	360	-						9,11

ModulA 100-12 450 RED	6/16	1	100	450	Q						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						11
ModulA 100-12 450 RED	6/16	1	100	450	-						11
ModulA 100-12 450 RED	6/16	1	100	450	-						11
ModulA 100-12 450 RED	6/16	1	100	450	-						11
ModulA 100-12 450 RED	6/16	1	100	450	-						11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11
ModulA 100-12 450 RED	6/16	1	100	450	-						9,11

ModulA 100-12 450 RED	6/16	1	100	450	Q						9,11
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Grundfos →				
Typ	PN	3/1	G/DN	L
UPSD 40-30 F		3/1	40	250
UPSD 40-60		3/1	40	250
UPSD 40-60 F		3/1	40	250
UPSD 40-120		3	40	250
UPSD 40-120 F		3/1	40	250
UPSD 42-50		1	40	250
UPSD 42-80		1	40	250

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
AD 401	6/10	1	40	220	34		9				
ModulA-D 40-12 250 RED	6/16	1	40	250	-						
ModulA-D 40-12 250 RED	6/16	1	40	250	-		12				
ModulA-D 40-12 250 RED	6/16	1	40	250	-		12				
ModulA-D 40-12 250 RED	6/16	1	40	250	-		12				
AD 401	6/10	1	40	220	34						
AD 401	6/10	1	40	220	34						

DN 50				
Typ	PN	3/1	G/DN	L
Magna UPED 50-60 F	6/10	1	50	280
Magna-D 50-120 F	6/10	1	50	280
Magna-D 50-60 F	6/10	1	50	280
Magna3 D 50-40 F	6/10	1	50	240
Magna3 D 50-60 F	6/10	1	50	240
Magna3 D 50-80 F	6/10	1	50	240
Magna3 D 50-100 F	6/10	1	50	280
Magna3 D 50-120 F	6/10	1	50	280
Magna3 D 50-150 F	6/10	1	50	280
Magna3 D 50-180 F	6/10	1	50	280
UMCD 50-30		3/1	50	280
UMCD 50-60		3/1	50	280
UMKD 50-30		3/1	50	280
UMKD 50-60		3/1	50	280
UMSD 50-30		3	50	280
UMSD 50-60		3/1	50	280
UPCD 50-60		3/1	50	280
UPCD 50-120		3/1	50	280
UPD 50-60		3	50	280
UPED 50-60 F		1	50	280
UPED 50-120 F		1	50	280
UPKD 50-60		3/1	50	280
UPKD 50-120		3/1	50	280
UPKD 50-180		3/1	50	280
UPSD 50-30 F		3/1	50	280
UPSD 50-60		3	50	280
UPSD 50-60/2 F		3/1	50	280
UPSD 50-60/4 F		3/1	50	280
UPSD 50-120		3/1	50	280
UPSD 50-120 F		3/1	50	280
UPSD 50-180 F		3/1	50	280

ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		
ModulA-D 50-12 270 RED	6/16	1	50	270	41		
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		
ModulA-D 50-6 240 RED	6/16	1	50	240	-		
ModulA-D 50-6 240 RED	6/16	1	50	240	-		
ModulA-D 50-12 270 RED	6/16	1	50	270	Q		
ModulA-D 50-12 270 RED	6/16	1	50	270	41		
ModulA-D 50-12 270 RED	6/16	1	50	270	41		
ModulA-D 50-18 270 RED	6/16	1	50	270	41		
ModulA-D 50-18 270 RED	6/16	1	50	270	41		
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-6 240 GREEN	6/16	1	50	240	2x47		9
ModulA-D 50-12 270 GREEN	6/16	1	50	270	41		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9
ModulA-D 50-18 270 RED	6/16	1	50	270	41		9

DN 65				
Typ	PN	3/1	G/DN	L
Magna UPED 65-60 F	6/10	1	65	340
Magna-D 65-60 F	6/10	1	65	340
Magna-D 65-120 F	6/10	1	65	340
Magna3 D 65-40 F	6/10	1	65	340
Magna3 D 65-60 F	6/10	1	65	340
Magna3 D 65-80 F	6/10	1	65	340
Magna3 D 65-100 F	6/10	1	65	340
Magna3 D 65-120 F	6/10	1	65	340
Magna3 D 65-150 F	6/10	1	65	340
UMCD 65-30		3/1	65	340
UMCD 65-60		3/1	65	340
UMD 65-26		3	65	340
UMKD 65-30		3	65	340
UMKD 65-60		3/1	65	340
UMSD 65-30		3	65	340
UMSD 65-60		3/1	65	340
UPCD 65-60		3/1	65	340
UPCD 65-120		3/1	65	340

ModulA-D 65-8 340 RED	6/16	1	65	340	-		
ModulA-D 65-8 340 RED	6/16	1	65	340	-		
ModulA-D 65-12 340 RED	6/16	1	65	340	-		
ModulA-D 65-8 340 RED	6/16	1	65	340	-		
ModulA-D 65-8 340 RED	6/16	1	65	340	-		
ModulA-D 65-8 340 RED	6/16	1	65	340	-		
ModulA-D 65-12 340 RED	6/16	1	65	340	-		
ModulA-D 65-12 340 RED	6/16	1	65	340	-		
ModulA-D 65-15 340 RED	6/16	1	65	340	-		
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 65-8 340 GREEN	6/16	1	65	340	-		9
ModulA-D 65-8 340 GREEN	6/16	1	65	340	-		9
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9

Grundfos →				
Typ	PN	3/1	G/DN	L
UPD 65-75		3	65	340
UPD 65-79		3	65	340
UPD 65-90		3	65	340
UPED 65-60 F		1	65	340
UPED 65-120 F		3	65	340
UPKD 65-60		3/1	65	340
UPKD 65-120		3/1	65	340
UPKD 65-180		3	65	340
UPSD 65-30 F		3/1	65	340
UPSD 65-60		3	65	340
UPSD 65-60/2 F		3/1	65	340
UPSD 65-60/4 F		3/1	65	340
UPSD 65-120 C		3	65	340
UPSD 65-120 F		3/1	65	340
UPSD 65-180 F		3	65	340

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-						
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 GREEN	6/16	1	65	340	-		9				
ModulA-D 65-12 340 GREEN	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9				
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9				

DN 80

Magna3 D 80-40 F		1	80	360
Magna3 D 80-60 F		1	80	360
Magna3 D 80-80 F		1	80	360
Magna3 D 80-100 F		1	80	360
Magna3 D 80-120 F		1	80	360
UMCD 80-30		3	80	360
UMCD 80-60		3	80	360
UMD 80-50		3	80	360
UMKD 80-30		3	80	360
UMKD 80-60		3	80	360
UMSD 80-30		3	80	360
UMSD 80-60		3	80	360
UPCD 80-120		3	80	360
UPCD 80-120 C		3	80	360
UPD 80-96		3	80	360
UPD 80-113		3	80	360
UPED 80-120 F		3	80	360
UPKD 80-120		3	80	360
UPSD 80-30 F		3	80	360
UPSD 80-60 F		3	80	360
UPSD 80-120		3	80	360
UPSD 80-120 C		3	80	360
UPSD 80-120 F		3	80	360

ModulA-D 80-8 360 RED	6/16	1	80	360	-		11
ModulA-D 80-8 360 RED	6/16	1	80	360	-		11
ModulA-D 80-8 360 RED	6/16	1	80	360	-		11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		11
ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-8 360 GREEN	6/16	1	80	360	-		9,11
ModulA-D 80-8 360 GREEN	6/16	1	80	360	-		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11

DN 100

Magna3 D 100-40 F		1	100	450
Magna3 D 100-60 F		1	100	450
Magna3 D 100-80 F		1	100	450
Magna3 D 100-100 F		1	100	450
Magna3 D 100-120 F		1	100	450
UMCD 100-30		3	100	450
UMCD 100-30		3	100	450
UMCD 100-60		3	100	450
UMKD 100-30		3	100	450
UMKD 100-60		3	100	450
UMSD 100-60		3	100	450
UPED 100-60 F		3	100	450
UPSD 100-30		3	100	450

ModulA-D 100-12 450 RED	6/16	1	100	450	-		11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	-		9,11

Grundfos →			
Typ	PN	3/1	L

Biral									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione				hocheffizient / high-efficiency / alta efficienza							selbstlernend / self-taught / autoapprendimento							
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

Grundfos			
Typ	PN	3/1	L

Biral hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral ungerlegt / unregulated / senza regolazione							
Typ	PN	3/1	G/DN	L	Z	Bem.	

1/2" 3/4"

UP 15-13 B		1	36/130	AXW 10	10	1	1 1/4"	120	c		2	WX 10	10	1	1 1/4"	120	c	2
UP 15-13 BU		1	36/130	AXW 10	10	1	1 1/4"	120	c		2	WX 10	10	1	1 1/4"	120	c	2
UP 15-13 BX		1	36/130	AXW 10	10	1	1 1/4"	120	c		2	WX 10	10	1	1 1/4"	120	c	2
UP 15-13 BXU		1	36/130	AXW 10	10	1	1 1/4"	120	c		2	WX 10	10	1	1 1/4"	120	c	2
UP 15-14		1	80	AXW 10	10	1	1 1/4"	120	Q		2	WX 10	10	1	1 1/4"	120	Q	2

1 1/4" (Rp 3/4")

UM 15-15 N		1	150	AXW 12	10	1	1 1/4"	120	10	cs2		WX 12	10	1	1 1/4"	120	10	
UM 24-08 N		1	150	AXW 10	10	1	1 1/4"	120	10			WX 10	10	1	1 1/4"	120	10	
UP 15-25 N		1	150	AXW 13	10	1	1 1/4"	150	-	cs2		WX 13	10	1	1 1/4"	150	-	
UP 20-07 N		1	150	AXW 10	10	1	1 1/4"	120	10			WX 10	10	1	1 1/4"	120	10	
UP 20-14		1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
UP 20-15 N		1	150	AXW 12	10	1	1 1/4"	120	10	cs2		WX 12	10	1	1 1/4"	120	10	
UP 20-30 N		1	150	AXW 13	10	1	1 1/4"	150	-	cs2		WX 13	10	1	1 1/4"	150	-	
UP 20-30 N		3	150	AXW 13	10	1	1 1/4"	150	-		9	W 313	10	3	1 1/4"	150	-	
UP 20-30 NK		1	150															
UP 20-30 NK		3	150															
UP 20-45 N		1	150	AXW 13	10	1	1 1/4"	150	-	cs3		WX 14	10	1	1 1/4"	150	-	
UP 20-45 N		3	150	AXW 13	10	1	1 1/4"	150	-		9	W 314	10	3	1 1/4"	150	-	
UP 25-30 N		3	150	AXW 13	10	1	1 1/4"	150	-		9	W 313	10	3	1 1/4"	150	-	
UP 25-45 N		3	150	AXW 13	10	1	1 1/4"	150	-		9	W 314	10	3	1 1/4"	150	-	

1 1/2" (Rp 1")

4-12 DW		1	150	AXW 12	10	1	1 1/4"	120	83	cs2		WX 12	10	1	1 1/4"	120	83	
4-30 DW		1	150	AXW 13	10	1	1 1/4"	150	Q			WX 13	10	1	1 1/4"	150	Q	
4-45 DW		1	150	AXW 13	10	1	1 1/4"	150	Q			WX 13	10	1	1 1/4"	150	Q	
ALPHA2 25-40 N		1	180	AXW 12-1	10	1	1 1/2"	180	-									
ALPHA2 25-50 N		1	180	AXW 13-1	10	1	1 1/2"	180	-									
ALPHA2 25-60 N		1	180	AXW 13-1	10	1	1 1/2"	180	-									
UPE 25-40 B		1	180	AXW 12-1	10	1	1 1/2"	180	-									
UPE 25-60 B		1	180	AXW 13-1	10	1	1 1/2"	180	-									
UPS 25-40 B		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
UPS 25-50 K		1	180									WX 14	10	1	1 1/4"	150	83	
UPS 25-60 B		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs3		WX 14	10	1	1 1/4"	150	83	
UPS 25-60 BK		1	180															

2" (Rp1 1/4")

UP 32-80 B		3	180	AW 15-2	10	1	2"	180	-		9	W 315	10	3	2"	180	-	
UP 35 R		3	200	AXW 13-1	10	1	1 1/2"	180	12		9	W 313	10	3	1 1/4"	150	84+15	
UP 40-80 RB		3	180	AW 15-2	10	1	2"	180	-		9	W 315	10	3	2"	180	-	
UP 45 R		3	200	AXW 13-1	10	1	1 1/2"	180	12		9	W 313	10	3	1 1/4"	150	84+15	
UPS 32-80 B		1	180	AW 15-2	10	1	2"	180	-			W 315	10	3	2"	180	-	
UPS 40-80 RB		1	180	AW 15-2	10	1	2"	180	-			W 315	10	3	2"	180	-	

DN 32

MAGNA 32-120FN		1	220															
UPE 32-80 B		1	180	AW 15-2	10	1	2"	180	-									
UPE 32-80 B 180		1	180	AW 15-2	10	1	2"	180	-									
UPE 32-80 FB220	10	1	220															
UPS 32-30 FB	10	3/1	220															
UPS 32-60 FB	10	3/1	220	AW 15-2	10	1	2"	180	25		9	W 315	10	3	2"	180	25	

Grundfos →			
Typ	PN	3/1	L
UPS 32-120 FB	10	3/1	220

Biral										
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.			

Biral						
Typ	PN	3/1	G/DN	L	Z	Bem.

DN 40																				
MAGNA 40-120FN		1	250	ModulA 40-12 250 BLUE	6/16	1	40	250	-		6									
UP 35 R		3	200	AXW 13	10	1	1 1/4"	150	11+29		9	W 313	10	3	1 1/4"	150	11+29			
UP 42-42 BZ		3	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-			
UP 42-42 FB		3	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-			
UP 40-50 FB		3	250	AW 401-1	6/10	1	40	250	-		9	W 402	6/16	3/1	40	250	-			
UP 45		3	200	AXW 13	10	1	1 1/4"	150	c		9	W 313	10	3	1 1/4"	150	c			
UPE 40-80 FB		1	250																	
UPE 40-80 FB 250		1	250																	
UPS 40-30 FB	10	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 401	6/16	3/1	40	250	-			
UPS 40-50 FB	10	1	250	AW 401-1	6/10	1	40	250	-			W 402	6/16	3/1	40	250	-			
UPS 40-60 FB	10	3/1	250	AW 401-1	6/10	1	40	250	-		9	W 402	6/16	3/1	40	250	-			
UPS 40-120 FB	10	3/1	250																	
UPS 40-180 FB	10	3	250																	
VP 32-1		3	200	AXW 13	10	1	1 1/4"	150	11+29		9	W 313	10	3	1 1/4"	150	11+29			
VP 32-2		3	200	AXW 13	10	1	1 1/4"	150	11+29		9	W 313	10	3	1 1/4"	150	11+29			
VP 32-3		3	200	AXW 13	10	1	1 1/4"	150	11+29		9	W 313	10	3	1 1/4"	150	11+29			
VP 35		3	200	AXW 13	10	1	1 1/4"	150	11+29		9	W 313	10	3	1 1/4"	150	11+29			
VP 45		3	200	AXW 13	10	1	1 1/4"	150	11+29		9	W 313	10	3	1 1/4"	150	11+29			

DN 50																				
MAGNA 50-120 FN		1	280																	
UPE 50-80 FB		1	280																	
UPS 50-30 FB	10	3/1	280																	
UPS 50-60 FB	10	3/1	280																	
UPS 50-120 FB	10	3	280																	
UPS 50-180 FB	10	3	280																	

DN 65																				
MAGNA 65-60 FN		1	340																	
MAGNA 65-120 FN		1	340																	
UPS 65-30 FB	10	3/1	340																	
UPS 65-60 FB	10	3/1	340																	
UPS 65-120 FB	10	3	340																	
UPS 65-180 FB	10	3	340																	

DN 80																				
UPE 80-120 FB		1	360																	
UPE 80-120 FB	10	1	360																	
UPS 80-30 FB		3	360																	
UPS 80-60 FB		3	360																	
UPS 80-120 FB		3	360																	

DN 100																				
UPE 100-60 FB		1	450																	
UPE 100-60 FB	10	1	450																	
UPS 100-30 FB		3	450																	

Halm →					Biral hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
1" (Rp 1/2")												
HEP 15-4.0 E 130	10	1	1"	130	AX 12-4	10	1	1"	130	-		
HEP 15-6.0 E 130	10	1	1"	130	AX 13-4	10	1	1"	130	-		
HUE 15-4.0 E 130	10	1	1"	130	AX 12-4	10	1	1"	130	-		
HUE 15-6.0 E 130	10	1	1"	130	AX 13-4	10	1	1"	130	-		
HUP 15-1.5 U 130		1	1"	130	AX 12-4	10	1	1"	130	-		13
HUP 15-2.5 U 130		1	1"	130	AX 12-4	10	1	1"	130	-		13
HUP 15-4.0 U 130		1	1"	130	AX 12-4	10	1	1"	130	-		13
HUP 15-6.0 U 130		1	1"	130	AX 13-4	10	1	1"	130	-		13
HUP 15-6.0 E 130		1	1"	130	AX 13-4	10	1	1"	130	-		13
HUPA 15-2.5 U 130	10	1	1"	130	AX 12-4	10	1	1"	130	-		
HUPA 15-4.0 U 130	10	1	1"	130	AX 12-4	10	1	1"	130	-		
HUPA 15-5.0 U 130	10	1	1"	130	AX 13-4	10	1	1"	130	-		
HUPA 15-6.0 U 130	10	1	1"	130	AX 13-4	10	1	1"	130	-		
HUPA 15-7.0 U 130	10	1	1"	130	A 14-1	10	1	1 1/2"	180	Q		
1 1/4" (Rp 3/4")												
HUP 20-1.5 U 130		1	1 1/4"	130	AX 12-3	10	1	1 1/2"	130	Q		13
HUP 20-2.5 U 130		1	1 1/4"	130	AX 12-3	10	1	1 1/2"	130	Q		13
HUP 20-4.0 U 130		1	1 1/4"	130	AX 12-3	10	1	1 1/2"	130	Q		13
HUP 20-5.0 U 130		1	1 1/4"	130	AX 12-3	10	1	1 1/2"	130	Q		13
HUP 20-6.0 U 130		1	1 1/4"	130	AX 13-3	10	1	1 1/2"	130	Q		13
HUP 20-6.0 E 130		1	1 1/4"	130	AX 13-3	10	1	1 1/2"	130	Q		13
1 1/2" (Rp 1")												
HEP 25-4.0 E 130	10	1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
HEP 25-4.0 E 180	10	1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
HEP 25-6.0 E 130	10	1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
HEP 25-6.0 E 180	10	1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
HGPA25 7.0 U 180	10	1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
HGPA25 8.0 U 180	10	1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
HGPA25 10.0 U 180	10	1	1 1/2"	180	A 16-1	10	1	1 1/2"	180	-		
HGPA25 12.0 U 180	10	1	1 1/2"	180	A 16-1	10	1	1 1/2"	180	-		
HUE 25-4.0 E 130	10	1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
HUE 25-4.0 E 180	10	1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
HUE 25-6.0 E 130	10	1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
HUE 25-6.0 E 180	10	1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
HUP 25-1.5 U 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		13
HUP 25-1.5 U 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		13
HUP 25-2.5 U 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		13
HUP 25-2.5 U 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		13
HUP 25-4.0 U 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		13
HUP 25-4.0 U 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		13
HUP 25-5.0 U 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		13
HUP 25-5.0 U 180		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		13
HUP 25-6.0 E 130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		13
HUP 25-6.0 E 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		13
HUP 25-6.0 U 130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		13
HUP 25-6.0 U 180		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		13
HUPA 25-2.5 U 130	10	1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
HUPA 25-2.5 U 180	10	1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		
HUPA 25-4.0 U 130	10	1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
HUPA 25-4.0 U 180	10	1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
HUPA 25-5.0 U 130	10	1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
HUPA 25-5.0 U 180	10	1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
HUPA 25-6.0 U 130	10	1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
HUPA 25-6.0 U 180	10	1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		

Halm ⇒				
Typ	PN	3/1	G/DN	L
HUPA 25-7.0 U 130	10	1	1 1/2"	130
HUPA 25-7.0 U 180	10	1	1 1/2"	180

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
A 14-1	10	1	1 1/2"	180	Q						
A 14-1	10	1	1 1/2"	180	-						

2" (Rp1 1/4")

HEP 30-4.0 E 180	10	1	2"	180
HEP 30-6.0 E 180	10	1	2"	180
HGPA30 7.0 U 180	10	1	2"	180
HGPA30 8.0 U 180	10	1	2"	180
HGPA30 10.0 U 180	10	1	2"	180
HGPA30 12.0 U 180	10	1	2"	180
HUE 30-4.0 E 180	10	1	2"	180
HUE 30-6.0 E 180	10	1	2"	180
HUP 30-2.5 U 180		1	2"	180
HUP 30-4.0 U 180		1	2"	180
HUP 30-5.0 U 180		1	2"	180
HUP 30-6.0 U 180		1	2"	180
HUP 30-6.0 E 180		1	2"	180
HUPA 30-2.5 U 180	10	1	2"	180
HUPA 30-4.0 U 180	10	1	2"	180
HUPA 30-5.0 U 180	10	1	2"	180
HUPA 30-6.0 U 180	10	1	2"	180
HUPA 30-7.0 U 180	10	1	2"	180

AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		13
AX 12-2	10	1	2"	180	-		13
AX 12-2	10	1	2"	180	-		13
AX 13-2	10	1	2"	180	-		13
AX 13-2	10	1	2"	180	-		13
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 14-2	10	1	2"	180	-		

Halm ⇒					Biral hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
DN 40												
HUP 40-4.0 U 250	6	3	40	250	A 401-1	6/10	1	40	250	-	cs2	9
HUP 40-6.0 E 250	6	1	40	250	A 401-1	6/10	1	40	250	-		
HUP 40-6.0 U 250	6	3	40	250	A 401-1	6/10	1	40	250	-		9
HUP 40-10.0 E 250	6	1	40	250	ModulA 40-12 250 RED	6/16	1	40	250	-		
HUP 40-11.0 U 250	6	3	40	250	ModulA 40-12 250 RED	6/16	1	40	250	-		9
NMT 40	6	1	40	250	ModulA 40-12 250 RED	6/16	1	40	250	-		
DN 50												
HUP 50-4.0 U 280	6	3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
HUP 50-6.0 E 280	6	1	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		
HUP 50-6.0 U 280	6	3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
HUP 50-10.0 E 280	6	1	50	280	ModulA 50-12 270 RED	6/16	1	50	270	41		
HUP 50-11.0 U 280	6	3	50	280	ModulA 50-12 270 RED	6/16	1	50	270	41		9
NMT 50	6	1	50	280	ModulA 50-12 270 RED	6/16	1	50	270	41		
DN 65												
HUP 65-3.0 U 340	6	3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
HUP 65-6.0 E 340	6	1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		
HUP 65-6.0 U 340	6	3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
HUP 65-10.0 E 340	6	1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		
HUP 65-11.0 U 340	6	3	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		9
NMT 65	6	1	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		
DN 80												
HUP 80-3.0 U 360	6	3	80	360	ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
HUP 80-6.0 E 360	6	1	80	360	ModulA 80-8 360 RED	6/16	1	80	360	-		11
HUP 80-6.0 U 360	6	3	80	360	ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
HUP 80-11.0 U 360	6	3	80	360	ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
NMT 80	6	1	80	360	ModulA 80-12 360 RED	6/16	1	80	360	-		11

Halm →				
Typ	PN	3/1	G/DN	L

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				

DN 40												
HUPD 40-4.0 U 250		3	40	250	AD 401	6/10	1	40	220	34		9
HUPD 40-6.0 E 250		1	40	250	AD 401	6/10	1	40	220	34		
HUPD 40-6.0 U 250		3	40	250	AD 401	6/10	1	40	220	34		9
HUPD 40-10.0 E 250		1	40	250	ModulA-D 40-12 250 RED	6/16	1	40	250	-		
HUPD 40-11.0 U 250		3	40	250	ModulA-D 40-12 250 RED	6/16	1	40	250	-		9

DN 50												
HUPD 50-4.0 U 280		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
HUPD 50-6.0 E 280		1	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		
HUPD 50-6.0 U 280		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
HUPD 50-10.0 E 280		1	50	280	ModulA-D 50-12 270 RED	6/16	1	50	270	41		
HUPD 50-11.0 U 280		3	50	280	ModulA-D 50-12 270 RED	6/16	1	50	270	41		9

DN 65												
HUPD 65-3.0 U 340		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
HUPD 65-6.0 E 340		1	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		
HUPD 65-6.0 U 340		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
HUPD 65-10.0 E 340		1	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-		11
HUPD 65-11.0 U 340		3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-		9

DN 80												
HUPD 80-3.0 U 360		3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
HUPD 80-6.0 E 360		1	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		11
HUPD 80-6.0 U 360		3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
HUPD 80-11.0 U 360		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11

Halm			
Typ	PN	3/1	L

Biral									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione				hocheffizient / high-efficiency / alta efficienza							selbstlernend / self-taught / autoapprendimento							
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

Halm			
Typ	PN	3/1	L

Biral hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral unregelt / unregulated / senza regolazione							
Typ	PN	3/1	G/DN	L	Z	Bem.	

1" (Rp 1/2")

BUP 15-1.5 U 130		1	130	AXW 12	10	1	1 1/4"	120	c	cs2		WX 12	10	1	1 1/4"	120	c	
BUP 15-3.0 U 130		1	130	AXW 13	10	1	1 1/4"	150	Q	cs2		WX 13	10	1	1 1/4"	150	Q	
BUP 15-4.0 U 130		1	130	AXW 13	10	1	1 1/4"	150	Q	cs3		WX 14	10	1	1 1/4"	150	Q	
BUP 15-6.0 U 130		1	130	AXW 13	10	1	1 1/4"	150	Q	cs3		WX 14	10	1	1 1/4"	150	Q	

1 1/4" (Rp 3/4")

BUP 20-1.5 U 150		1	150	AXW 12	10	1	1 1/4"	120	10	cs2		WX 12	10	1	1 1/4"	120	10	
BUP 20-3.0 U 150		1	150	AXW 13	10	1	1 1/4"	150	-	cs2		WX 13	10	1	1 1/4"	150	-	
BUP 20-4.0 U 150		1	150	AXW 13	10	1	1 1/4"	150	-	cs3		WX 14	10	1	1 1/4"	150	-	
BUP 20-6.0 U 150		1	150	AXW 13	10	1	1 1/4"	150	-	cs3		WX 14	10	1	1 1/4"	150	-	
BUP 20-6.0 E 150		1	150	AXW 13	10	1	1 1/4"	150	-	cs3								

1 1/2" (Rp 1")

BUP 25-1.5 U 130		1	130	AXW 12	10	1	1 1/4"	120	c	cs2		WX 12	10	1	1 1/4"	120	c	
BUP 25-3.0 U 130		1	130	AXW 13	10	1	1 1/4"	150	Q	cs2		WX 13	10	1	1 1/4"	150	Q	
BUP 25-4.0 U 130		1	130	AXW 13	10	1	1 1/4"	150	Q	cs3		WX 14	10	1	1 1/4"	150	Q	
BUP 25-4.0 U 180		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs3		WX 14	10	1	1 1/4"	150	83	
BUP 25-6.0 E 130		1	130	AXW 13	10	1	1 1/4"	150	Q									
BUP 25-6.0 E 180		1	180	AXW 13-1	10	1	1 1/2"	180	-									
BUP 25-6.0 U 130		1	130	AXW 13	10	1	1 1/4"	150	Q	cs3		WX 14	10	1	1 1/4"	150	Q	
BUP 25-6.0 U 180		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs3		WX 14	10	1	1 1/4"	150	83	

Krupp				
Typ	PN	3/1	G/DN	L

Biral								hocheffizient / high-efficiency / alta efficienza			
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				

1 1/2" (Rp 1")

D 325		3	1 1/2"	180
D 425		3	1 1/2"	180
D 525		3	1 1/2"	180
W 125		1	1 1/2"	180
W 225		1	1 1/2"	180
Z 24		1	1 1/2"	190
Z 33		1	1 1/2"	160

AX 12-1	10	1	1 1/2"	180	-		9
AX 13-1	10	1	1 1/2"	180	-		9
A 14-1	10	1	1 1/2"	180	-		9
AX 12-1	10	1	1 1/2"	180	-		
AX 13-1	10	1	1 1/2"	180	-		
AX 12-1	10	1	1 1/2"	180	c		
AX 12-3	10	1	1 1/2"	130	c		

2" (Rp 1 1/4")

D 132		3	2"	180
E 25		1	2"	170
E 30		1	2"	170
E 35		1	2"	170
E 38		1	2"	170
F 25		1	2"	170
F 30		1	2"	170
F 35		1	2"	170
F 38		1	2"	170
P 30-1		3	2"	190
P 30-2		3	2"	190
P 301		3	2"	190
RBZ 25		1	2"	170
RBZ 30		1	2"	170
RBZ 35		1	2"	170
RBZ 38		1	2"	170
RE 20		1	2"	170
RE 25		1	2"	170
RE 30		1	2"	170
RE 35		1	2"	170
RE 38		1	2"	170
RE 40		1	2"	170
RE 45		1	2"	170
Z 25-0		3	2"	190
Z 25-01		3	2"	190
Z 25-1		3	2"	190
Z 30-1		3	2"	190
Z 30-2		3	2"	190
Z 30-3		3	2"	190
Z 30-4		3	2"	190
Z 30-5		3	2"	190
Z 32-1		3	2"	190
Z 32-2		3	2"	190
Z 32-3		3	2"	190
Z 32-4		3	2"	190
Z 32-5		3	2"	190
Z 32 spez.		3	2"	190
Z 35-1		3	2"	210
Z 35-2		3	2"	210
Z 35-3		3	2"	210
Z 36-1		3	2"	210
Z 36-2		3	2"	210
Z 36-3		3	2"	210
Z 301		3	2"	190
Z 302		3	2"	190
Z 303		3	2"	210

A 15-2	10	1	2"	180	-		9
AX 12	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 13	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 13	10	1	2"	170	-		
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13	pp1	9
AX 12	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 12	10	1	2"	170	-		
AX 13	10	1	2"	170	-		
A 14	10	1	2"	170	-		
A 15	10	1	2"	170	-		
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13		9
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13	pp1	9
A 15-2	10	1	2"	180	13		9
A 15-2	10	1	2"	180	13		9
A 15-2	10	1	2"	180	13		9
A 12-2	10	1	2"	180	13		9
A 12-2	10	1	2"	180	13	pp1	9
A 15-2	10	1	2"	180	13		9
A 13-2	10	1	2"	180	13+15		9
A 12-2	10	1	2"	180	13+15		9
A 12-2	10	1	2"	180	13+15		9
A 16-2	10	1	2"	180	13+15		9
A 16-2	10	1	2"	180	13+15		9
A 16-2	10	1	2"	180	13+15		9
A 12-2	10	1	2"	180	13	pp1	9
A 12-2	10	1	2"	180	13		9
A 13-2	10	1	2"	180	13+15		9

Krupp				
Typ	PN	3/1	G/DN	L

2 1/4" (Rp 1 1/2")				
P 40-1		3	2 1/4"	190
P 40-2		3	2 1/4"	190
P 40-3		3	2 1/4"	190
P 401		3	2 1/4"	190
P 402		3	2 1/4"	190

DN 40				
D 240		3	40	250
DN 140		3	40	250
DH 340		3	40	250
DH 440		3	40	250
Z 40-1		3	40	220
Z 40-2		3	40	220
Z 40-3		3	40	220
Z 40-4		3	40	220
Z 42-1		3	40	220
Z 42-2		3	40	220
Z 42-3		3	40	220
Z 42-4		3	40	220
Z 45-1		3	40	250
Z 45-2		3	40	250
Z 45-3		3	40	250
Z 401		3	40	220
Z 402		3	40	220
Z 403		3	40	220
Z 404		3	40	250
Z 405		3	40	250

DN 50				
DN 150		3	50	280
DN 250		3	50	280
DH 350		3	50	280
DH 450		3	50	280
P 50-1		3	50	220
P 50-2		3	50	220
P 50-3		3	50	220
P 52-1		3	50	220
P 52-2		3	50	220
P 52-3		3	50	220
P 501		3	50	220
P 502		3	50	220
P 503		3	50	220
Z 50-1		3	50	270
Z 50-2		3	50	270
Z 50-3		3	50	270
Z 50-4		3	50	270
Z 55-1		3	50	300
Z 55-2		3	50	300
Z 55-3		3	50	300
Z 501		3	50	270
Z 502		3	50	270
Z 503		3	50	270
Z 504		3	50	270
Z 505		3	50	270

DN 65				
DN 165		3	65	340

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				

A 13	10	1	2"	170	21		9
A 13	10	1	2"	170	21		9
A 13	10	1	2"	170	21		9
A 13	10	1	2"	170	21		9
A 13	10	1	2"	170	21		9

A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 40-12 250 RED	6/16	1	40	250	-		9
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
ModulA 40-10 220 RED	6/16	1	40	220	-		9
ModulA 40-10 220 RED	6/16	1	40	220	-		9
ModulA 40-10 220 RED	6/16	1	40	220	-		9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9

ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	41	cs2	9
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		9
ModulA 50-12 270 RED	6/16	1	50	270	Q		9
ModulA 50-12 270 RED	6/16	1	50	270	Q		9
ModulA 50-12 270 RED	6/16	1	50	270	Q		9
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	2x42		9
ModulA 50-6 240 RED	6/16	1	50	240	2x42		9
ModulA 50-6 240 RED	6/16	1	50	240	2x42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9
ModulA 50-6 240 RED	6/16	1	50	240	42		9

ModulA 65-8 340 RED	6/16	1	65	340	-		9
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Krupp				
Typ	PN	3/1	G/DN	L
DN 265		3	65	340
DH 365		3	65	340
DH 465		3	65	340
P 65-1		3	65	270
P 65-2		3	65	270
P 65-3		3	65	270
P 65-4		3	65	270
P 601		3	65	270
P 602		3	65	270
Z 58-1		3	65	300
Z 58-2		3	65	300
Z 58-3		3	65	300
Z 60-1		3	65	340
Z 60-2		3	65	340
Z 60-3		3	65	340
Z 65-1		3	65	370
Z 65-2		3	65	370
Z 65-3		3	65	370
Z 65-4		3	65	370
Z 601		3	65	300
Z 602		3	65	300
Z 603		3	65	300
Z 604		3	65	340
Z 605		3	65	340
Z 606		3	65	340
Z 607		3	65	340

Biral												
hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9,11					
ModulA 65-8 270 RED	6/16	1	65	270	-		9					
ModulA 65-8 270 RED	6/16	1	65	270	-		9					
ModulA 65-8 270 RED	6/16	1	65	270	-		9					
ModulA 65-8 270 RED	6/16	1	65	270	-		9					
ModulA 65-8 270 RED	6/16	1	65	270	-		9					
ModulA 65-8 270 RED	6/16	1	65	270	50		9					
ModulA 65-8 270 RED	6/16	1	65	270	50		9					
ModulA 65-8 270 RED	6/16	1	65	270	50		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	50	cs2	9					
ModulA 65-8 270 RED	6/16	1	65	270	50+52		9					
ModulA 65-8 270 RED	6/16	1	65	270	50+52		9					
ModulA 65-8 270 RED	6/16	1	65	270	50+52		9					
ModulA 65-8 270 RED	6/16	1	65	270	50		9					
ModulA 65-8 270 RED	6/16	1	65	270	50		9					
ModulA 65-8 270 RED	6/16	1	65	270	50		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9					
ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9					

DN 80							
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
DN 180		3	80	360	-		9,11
DN 280		3	80	360	-		9,11
DH 380		3	80	360	-		9,11
P 80-1		3	80	370	59		9,11
P 80-2		3	80	370	59		9,11
P 80-3		3	80	370	59		9,11
P 801		3	80	370	59		9,11
P 802		3	80	370	59		9,11
Z 78-1		3	80	370	59		9,11
Z 78-2		3	80	370	59		9,11
Z 78-3		3	80	370	59		9,11
Z 80-1		3	80	400	59+60		9,11
Z 80-2		3	80	400	59+60		9,11
Z 80-3		3	80	400	59+60		9,11
Z 85-1		3	80	410	c		9,11
Z 85-2		3	80	410	c		9,11
Z 85-3		3	80	410	c		9,11
Z 801		3	80	370	59		9,11
Z 802		3	80	370	59		9,11
Z 803		3	80	370	59		9,11
Z 804		3	80	400	59+60		9,11
Z 805		3	80	400	59+60		9,11
Z 806		3	80	400	59+60		9,11
Z 807		3	80	400	59+60		9,11

DN 100							
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
DN 1100		3	100	450	-		9,11
DN 2100		3	100	450	-		9,11
P 100-1		3	100	450	-		9,11

Krupp →				
Typ	PN	3/1	G/DN	L
P 100-2		3	100	450
P 100-3		3	100	450
P 100-4		3	100	450
P 1001		3	100	450
P 1002		3	100	450
Z 100-1		3	100	450
Z 100-2		3	100	450
Z 100-3		3	100	450
Z 100-4		3	100	450
Z 100-5		3	100	450
Z 1001		3	100	450
Z 1002		3	100	450
Z 1003		3	100	450
Z 1004		3	100	450

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
ModulA 100-12 450 RED	6/16	1	100	450	-		9,11					
VariA-E 100-10 450 4 3	6/16	3	100	450	-		11,13					

KSB					Biral							
					hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
1" (Rp 1/2")												
Rio C 15-15 130		1	1"	130	AX 12-4	10	1	1"	130	-		
Rio C 15-40 130		1	1"	130	AX 12-4	10	1	1"	130	-		
Rio C 15-60 130		1	1"	130	AX 13-4	10	1	1"	130	-		
1 1/2" (Rp 1")												
22-2E		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
22-2E 16		1	1 1/2"	160	AX 12-3	10	1	1 1/2"	130	c		
22-3E		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
22-3E 13		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
22-4E		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
22-4E 13		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
22-4E 16		1	1 1/2"	160	AX 13-3	10	1	1 1/2"	130	c		
22-5E		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
22-5E 13		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
22-6D		3	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		9
22-6E		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
22-7D		3	1 1/2"	180	A 16-1	10	1	1 1/2"	180	-		9
22-7E		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
24-2D		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		9
24-2E		1	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		
24-8D		3	1 1/2"	180	A 13-1	10	1	1 1/2"	180	-		9
24-8E		1	1 1/2"	180	A 13-1	10	1	1 1/2"	180	-		
A 2 R		3	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		9
A 2 V		3	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		9
B 2 R		3	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		9
B 2 V		3	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		9
C 2 R		3	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		9
C 2 V		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
G 2 R		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		9
G 25		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-	pp1	9
G 27		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		9
G 29		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		9
Rio 25-7D		3	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		9
Rio 25-7E		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
Rio 25-70D		3	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		9
Rio 25-70E		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
Rio C 22/25		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		
Rio C 22/40		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
Rio C 22/60		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
Rio C 25-15		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		
Rio C 25-25		1	1 1/2"	180	AX 10-1	10	1	1 1/2"	180	-		
Rio C 25-40		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
Rio C 25-40 130		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
Rio C 25-60		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
Rio C 25-60 130		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
Riomatic C 22/20		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
Riomatic C 22/35		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
Riotec 25-70		1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
Riotron E 25/1-5		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
Riotronik 25-40		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
Riotronik 25-60		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
Riotronik 25-60 SSM		1	1 1/2"	180	A 13-1	10	1	1 1/2"	180	-		
Riotronik Eco 25-40		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
Riotronik Eco 25-60		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
Riotronik Eco 25-60 BMS		1	1 1/2"	180	A 13-1	10	1	1 1/2"	180	-		

KSB				
Typ	PN	3/1	G/DN	L
Riovar 24-2D		3	1 1/2"	180
Riovar 24-2E		1	1 1/2"	180
Riovar 24-8D		3	1 1/2"	180
Riovar 24-8E		1	1 1/2"	180

2" (Rp1 1/4")

31-4 E		1	2"	180
32-12D		3	2"	180
32-12E		1	2"	180
32-17D		3	2"	180
32-17E		1	2"	180
32-1E		1	2"	180
32-2E		1	2"	180
32-3E		1	2"	180
32-4E		1	2"	180
32-5E		1	2"	180
32-6D		3	2"	180
32-6E		1	2"	180
32-7D		3	2"	180
32-7E		1	2"	180
34-2D		3	2"	180
34-2E		1	2"	180
34-8D		3	2"	180
34-8E		1	2"	180
A 3 V		3	2"	180
B 3 V		3	2"	180
C 3 V		1	2"	180
F 3 R		3	2"	180
F 3 V		1	2"	180
F 35		3	2"	180
F 37		3	2"	180
F 39		3	2"	180
Rio 30-7D		3	2"	180
Rio 30-7E		1	2"	180
Rio 30-10D		3	2"	180
Rio 30-10E		1	2"	180
Rio 30-70D		3	2"	180
Rio 30-70E		1	2"	180
Rio 30-100D		3	2"	180
Rio 30-100E		1	2"	180
Rio C 30-25		1	2"	180
Rio C 30-40		1	2"	180
Rio C 30-60		1	2"	180
Rio C 32/25		1	2"	180
Rio C 32/40		1	2"	180
Rio C 32/60		1	2"	180
Rio-Eco 30-120		1	2"	180
Riomatic C32/20		1	2"	180
Riomatic C32/35		1	2"	180
Riotec 30-70		1	2"	180
Riotec 30-100		1	2"	180
Riotron E 30/1-5		1	2"	180
Riotronik 30-40		1	2"	180
Riotronik 30-60		1	2"	180
Riotronik 30-60 SSM		1	2"	180
Riotronik Eco 30-40		1	2"	180

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
A 12-1	10	1	1 1/2"	180	-		9				
A 12-1	10	1	1 1/2"	180	-						
A 13-1	10	1	1 1/2"	180	-		9				
A 13-1	10	1	1 1/2"	180	-						

AX 12-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		
ModulA 40-12 250 RED	6/16	1	40	250	Q		9
A 15-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		9
A 14-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		9
A 14-2	10	1	2"	180	-		
A 13-2	10	1	2"	180	-		9
A 13-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		9
AX 13-2	10	1	2"	180	-		9
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		9
AX 12-2	10	1	2"	180	-		
A 12-2	10	1	2"	180	-	pp1	9
A 12-2	10	1	2"	180	-	pp1	9
A 12-2	10	1	2"	180	-	pp1	9
A 15-2	10	1	2"	180	-		9
A 14-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		9
A 15-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		9
A 14-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		9
A 16-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
ModulA 40-12 250 RED	6/16	1	40	250	Q		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 15-2	10	1	2"	180	-		
ModulA 40-12 250 RED	6/16	1	40	250	Q		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		

KSB				
Typ	PN	3/1	G/DN	L
Riotronik Eco 30-60		1	2"	180
Riotronik Eco 30-60 BMS		1	2"	180
Riovar 34-2E		1	2"	180
Riovar 34-2D		3	2"	180
Riovar 34-8E		1	2"	180
Riovar 34-8D		3	2"	180
Riovar D30		3	2"	206

DN 32

Rio-Eco 32-120		1	32	220
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DN 40

42-12D		3	40	250
42-12E		1	40	250
42-17D		3	40	250
42-17E		1	40	250
42-25D		3	40	250
42-25E		1	40	250
42-6D		3	40	250
42-6E		1	40	250
42-7D		3	40	220
42-7E		1	40	220
44-8D		3	40	250
44-8E		1	40	250
44-18D		3	40	320
44-30D		1	40	320
A 4 V		3	40	250
C 4 V		1	40	200
G 47		3	40	250
G 49		3	40	250
L 4		3	40	250
K 48		3	40	250
K 49		3	40	250
M 4		3	40	250
Rio 40-4D		3	40	220
Rio 40-4E		1	40	220
Rio 40-7D		3	40	250
Rio 40-7E		1	40	250
Rio 40-10D		3	40	250
Rio 40-40D		3	40	220
Rio 40-40E		1	40	220
Rio 40-70D		3	40	250
Rio 40-70E		1	40	250
Rio 40-100D		3	40	250
Rio-Eco 40-80		1	40	220
Rio-Eco 40-120		1	40	250
Riotec 40-1/10		1	40	250
Riotec 40-40		1	40	220
Riotec 40-100		1	40	250
Riotron E 40/1-5		1	40	220
Riovar 44-8D		3	40	250
Riovar 44-8E		1	40	250
Riovar 44-18D		3	40	320
Riovar D40		3	40	220

DN 50

52-12D		3	50	280
52-12E		1	50	280

Biral												
hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
AX 13-2	10	1	2"	180	-							
A 13-2	10	1	2"	180	-							
A 12-2	10	1	2"	180	-							
A 12-2	10	1	2"	180	-		9					
A 13-2	10	1	2"	180	-							
A 13-2	10	1	2"	180	-		9					

ModulA 40-10 220 RED	6/16	1	40	220	Q		
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ModulA 50-6 240 RED	6/16	1	50	240	c		9
ModulA 50-6 240 RED	6/16	1	50	240	c		
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 40-12 250 RED	6/16	1	40	250	-		
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	
ModulA 50-6 240 RED	6/16	1	50	240	c		9
ModulA 50-6 240 RED	6/16	1	50	240	c		
A 401-1	6/10	1	40	250	-	cs2	9
A 13	10	1	2"	170	29		
A 13-2	10	1	2"	180	29+35		9
A 13-2	10	1	2"	180	29+35		9
ModulA 40-12 250 RED	6/16	1	40	250	-		9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	Q	cs2	9
A 401	6/10	1	40	220	-	cs2	
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 40-12 250 RED	6/16	1	40	250	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		9
A 401	6/10	1	40	220	-	cs2	9
A 401	6/10	1	40	220	-	cs2	
ModulA 40-12 250 RED	6/16	1	40	250	-		9
ModulA 40-12 250 RED	6/16	1	40	250	-		
ModulA 40-10 220 RED	6/16	1	40	220	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		
A 401	6/10	1	40	220	-		
ModulA 40-12 250 RED	6/16	1	40	250	-		
A 401	6/10	1	40	220	-		
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	
ModulA 50-12 270 RED	6/16	1	50	270	Q		9

ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		

KSB				
Typ	PN	3/1	G/DN	L
52-17D		3	50	240
52-17E		1	50	240
52-25D		3	50	280
52-25E		1	50	280
52-32D		3	50	280
52-40D		3	50	280
54-18D		3	50	280
54-100D		3	50	440
54-150D		3	50	460
54-30D		3	50	340
54-48D		3	50	340
K 56		3	50	280
K 57		3	50	280
K 58		3	50	280
K 59		3	50	280
L 5		3	50	280
L 51		3	50	280
L 58		3	50	280
L 59		3	50	280
M 5		3	50	280
Rio 50-4D		3	50	240
Rio 50-4E		1	50	240
Rio 50-7D		3	50	280
Rio 50-10D		3	50	280
Rio 50-40D		3	50	240
Rio 50-40E		1	50	240
Rio 50-70D		3	50	280
Rio 50-100D		3	50	280
Rio-Eco 50-80		1	50	240
Rio-Eco 50-90		1	50	280
Rio-Eco 50-120		1	50	280
Riotec 50-1/7		1	50	280
Riotec 50-1/10		1	50	280
Riotec 50-60		1	50	240
Riotec 50-70		1	50	280
Riotec 50-100		1	50	280
Riotron E 50/1-7		1	50	240
Riovar 54-18D		3	50	280
Riovar 54-30D		3	50	340
Riovar 54-100D		3	50	440
Riovar D 50		3	50	240

Biral												
hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 50-6 240 RED	6/16	1	50	240	-		9					
ModulA 50-6 240 RED	6/16	1	50	240	-							
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x47							
ModulA 50-12 270 RED	6/16	1	50	270	41							
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9					
ModulA 50-12 270 RED	6/16	1	50	270	43+47		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x43		9					
A 500	6/10	1	50	220	2x42	cs1	9					
A 500	6/10	1	50	220	2x42	cs1	9					
A 500	6/10	1	50	220	2x42	cs1	9					
A 500	6/10	1	50	220	2x42	cs1	9					
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9					
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-6 240 RED	6/16	1	50	240	-		9					
ModulA 50-6 240 RED	6/16	1	50	240	-							
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-6 240 RED	6/16	1	50	240	-							
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-6 240 RED	6/16	1	50	240	-							
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-6 240 RED	6/16	1	50	240	-							
ModulA 50-12 270 RED	6/16	1	50	270	41		9					
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9					
ModulA 50-12 270 RED	6/16	1	50	270	43+47		9					
ModulA 50-12 270 RED	6/16	1	50	270	c		9					

DN 65				
Typ	PN	3/1	G/DN	L
62-32D		3	65	280
62-40D		3	65	340
62-60D		3	65	340
62-65D		3	65	340
64-30D		3	65	340
64-48D		3	65	340
64-75D		3	65	340
64-160D		3	65	475
64-250D		3	65	500
G 67		3	65	280
G 69		3	65	280
L 66		3	65	340
L 67		3	65	340

ModulA 65-8 270 RED	6/16	1	65	270	56		9
ModulA 65-8 270 RED	6/16	1	65	270	52		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-8 270 RED	6/16	1	65	270	52		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-8 270 RED	6/16	1	65	270	56		8,9
ModulA 65-8 270 RED	6/16	1	65	270	56		8,9
ModulA 65-8 270 RED	6/16	1	65	270	52		9
ModulA 65-8 270 RED	6/16	1	65	270	52		9

KSB →				
Typ	PN	3/1	G/DN	L
L 68		3	65	340
L 69		3	65	340
M 6		3	65	340
M 61		3	65	340
R 6		3	65	340
Rio 65-7D		3	65	280
Rio 65-10D		3	65	340
Rio 65-13D		3	65	340
Rio 65-70D		3	65	280
Rio 65-100D		3	65	340
Rio 65-130D		3	65	340
Rio-Eco 65-90		1	65	280
Riotec 65-1/10		1	65	340
Riotec 65-100		1	65	340
Riovar 64-30D		3	65	340
Riovar 64-48D		3	65	340
Riovar 64-160D		3	65	475
Riovar D65		3	65	280

Biral hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 65-8 270 RED	6/16	1	65	270	52		9					
ModulA 65-8 270 RED	6/16	1	65	270	52		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 270 RED	6/16	1	65	270	52		9					
ModulA 65-8 270 RED	6/16	1	65	270	56		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	Q		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	Q		9					
ModulA 65-8 270 RED	6/16	1	65	270	52		9					
ModulA 65-8 270 RED	6/16	1	65	270	52		9					
ModulA 65-8 270 RED	6/16	1	65	270	52		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	c		9					

DN 80												
82-65D		3	80	360								
82-85D		3	80	360								
84-48D		3	80	360								
84-75D		3	80	360								
84-250D		3	80	500								
K 86		3	80	330								
K 87		3	80	330								
K 88		3	80	330								
K 89		3	80	330								
M 8		3	80	360								
M 86		3	80	400								
M 87		3	80	400								
M 88		3	80	400								
M 89		3	80	400								
R 8		3	80	360								
S 8		3	80	360								
Rio 80-7D		3	80	360								
Rio 80-10D		3	80	360								
Rio 80-70D		3	80	360								
Rio 80-100D		3	80	360								
Riotec 80-1/10		1	80	360								
Riotec 80-100		1	80	360								
Riovar 84-48D		3	80	360								
Riovar 84-75D		3	80	360								
Riovar 84-250D		3	80	500								
Riovar D80		3	80	330								

DN 100												
102-130D		3	100	395								
104-110D		3	100	395								
104-250D		3	100	500								
M 108		3	100	450								
M 109		3	100	450								
R 10		3	100	450								
R 101		3	100	450								
S 10		3	100	450								
Rio 100-100D		3	100	360								
ModulA 100-12 450 RED	6/16	1	100	450	Q							9,11
ModulA 100-12 450 RED	6/16	1	100	450	Q							9,11
ModulA 100-12 450 RED	6/16	1	100	450	66							9,11
ModulA 100-12 450 RED	6/16	1	100	450	-							9,11
ModulA 100-12 450 RED	6/16	1	100	450	-							9,11
ModulA 100-12 450 RED	6/16	1	100	450	-							9,11
ModulA 100-12 450 RED	6/16	1	100	450	-							9,11
ModulA 100-12 450 RED	6/16	1	100	450	-							9,11
ModulA 100-12 450 RED	6/16	1	100	450	-							9,11
ModulA 100-12 450 RED	6/16	1	100	450	Q							9,11

KSB →				
Typ	PN	3/1	G/DN	L
Riotec 100-100		3	100	360
Riovar D100		3	100	380

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
VariA-E 100-10 450 4 3	6/16	3	100	450	Q		11,13				

DN 125

Riovar D125		3	125	450																
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KSB				
Typ	PN	3/1	G/DN	L

Biral							
hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.

2" (Rp1 1/4")

A 3 VZ		3	2"	180
B 3 VZ		3	2"	180
Z 31-4E		1	2"	180
Z 32-2E		1	2"	180
Z 32-3E		1	2"	180
Z 24		1	2"	190
Z 32-5E		1	2"	160
Z 32-6D		3	2"	180
Z 32-6E		1	2"	180

AD 401	6/10	1	40	220	Q	cs2	

DN 32

Rio-Eco Z 32-120		1	32	220
Rio Z 30-7D		3	32	220
Rio Z 30-7E		1	32	220
Rio Z 32-70D		3	32	220
Rio Z 32-70E		1	32	220
Riotec Z 32-70		1	32	220
Riovar Z 34-2D		3	32	220
Riovar Z 34-2E		1	32	220

ModulA-D 40-12 250 RED	6/16	1	40	250	Q		
AD 401	6/10	1	40	220	Q		

DN 40

A 4 VZ		3	40	280
L 4 Z		3	40	280
M 4 Z		3	40	280
Rio-Eco Z 40-80		1	40	220
Rio-Eco Z 40-120		1	40	250
Rio Z 40-7D		3	40	250
Rio Z 40-7E		1	40	250
Rio Z 40-10D		3	40	250
Rio Z 40-70D		3	40	250
Rio Z 40-70E		1	40	250
Rio Z 40-100D		3	40	250
Riotec Z 40-1/10		1	40	250
Riotec Z 40-70		1	40	250
Riotec Z 40-100		1	40	250
Riovar Z 44-8D		3	40	250
Riovar Z 44-8E		1	40	250
Riovar Z 44-18D		3	40	320
Z 42-12D		3	40	250
Z 42-12E		1	40	250
Z 42-17D		3	40	250
Z 42-17E		1	40	250
Z 42-25D		3	40	250
Z 42-25E		1	40	250
Z 42-6D		3	40	250
Z 42-6E		1	40	250
Z 44-8D		3	40	250
Z 44-8E		1	40	250

AD 401	6/10	1	40	220	c	cs2	9
ModulA-D 40-12 250 RED	6/16	1	40	250	Q		
ModulA-D 40-12 250 RED	6/16	1	40	250	-		
ModulA-D 40-12 250 RED	6/16	1	40	250	-		9
ModulA-D 40-12 250 RED	6/16	1	40	250	-		
ModulA-D 40-12 250 RED	6/16	1	40	250	-		9
ModulA-D 40-12 250 RED	6/16	1	40	250	-		9
ModulA-D 40-12 250 RED	6/16	1	40	250	-		9
ModulA-D 40-12 250 RED	6/16	1	40	250	-		
ModulA-D 40-12 250 RED	6/16	1	40	250	-		
AD 401	6/10	1	40	220	34	cs2	9
AD 401	6/10	1	40	220	34	cs2	
ModulA-D 40-12 250 RED	6/16	1	40	250	34+35		9
ModulA-D 50-6 240 RED	6/16	1	50	240	c		9
ModulA-D 50-6 240 RED	6/16	1	50	240	c		
ModulA-D 40-12 250 RED	6/16	1	40	250	-		9
ModulA-D 50-6 240 RED	6/16	1	50	240	c		
AD 401	6/10	1	40	220	34	cs2	9
AD 401	6/10	1	40	220	34	cs2	
AD 401	6/10	1	40	220	34	cs2	9
AD 401	6/10	1	40	220	34	cs2	

DN 50

L 5 Z		3	50	340
L 51 Z		3	50	340
M 5 Z		3	50	280
Rio-Eco Z 50-80		1	50	240
Rio-Eco Z 50-90		1	50	280
Rio-Eco Z 50-120		1	50	280
Rio Z 50-7D		3	50	280

ModulA-D 50-6 240 RED	6/16	1	50	240	2x43		9
ModulA-D 50-6 240 RED	6/16	1	50	240	2x43		9
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9

KSB →				
Typ	PN	3/1	G/DN	L
Rio Z 50-10D		3	50	280
Rio Z 50-70D		3	50	280
Rio Z 50-100D		3	50	280
Riotec Z 50-1/7		1	50	280
Riotec Z 50-1/10		1	50	280
Riotec Z 50-60		1	50	280
Riotec Z 50-70		1	50	280
Riotec Z 50-100		1	50	280
Riovar Z 54-18D		3	50	280
Riovar Z 54-30D		3	50	340
Z 52-25D		3	50	280
Z 52-25E		1	50	280
Z 52-32D		3	50	280
Z 54-18D		3	50	280

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9				
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9				
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9				
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9				
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9				
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9				
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA-D 50-6 240 RED	6/16	1	50	240	2x43		9				
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA-D 65-12 340 RED	6/16	1	65	340	Q	cs2	9				
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9				

DN 65

M 6 Z		3	65	340
M 61 Z		3	65	340
R 6 Z		3	65	340
Rio Z 65-10D		3	65	340
Rio Z 65-13D		3	65	340
Rio Z 65-100D		3	65	340
Rio Z 65-130D		3	65	340
Riotec Z 65-1/10		1	65	340
Riotec Z 65-100		1	65	340
Riovar Z 64-30D		3	65	340
Riovar Z 64-48D		3	65	340
Z 62-40D		3	65	340
Z 62-60D		3	65	340
Z 64-30D		3	65	340

ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ModulA-D 65-8 340 RED	6/16	1	65	340	-	cs2	9
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ModulA-D 80-12 360 RED	6/16	1	80	360	Q		9,11
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9

DN 80

Z 82-65D		3	80	360
Z 82-85D		3	80	360
Z 84-48D		3	80	360
Rio Z 80-10D		3	80	360
Rio Z 80-100D		3	80	360
Riotec Z 80-1/10		1	80	360
Riotec Z 80-100		1	80	360
Riovar Z 84-48D		3	80	360
Riovar Z 84-75D		3	80	360

ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA-D 80-12 360 RED	6/16	1	80	360	-		11
ModulA-D 65-8 340 RED	6/16	1	65	340	c		9
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11

DN 100

Z 102-130D		3	100	395
Z 104-110D		3	100	395
Riovar Z 104-110D		3	100	395

ModulA-D 100-12 450 RED	6/16	1	100	450	Q		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	Q		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	Q		9,11

KSB			
Typ	PN	3/1	L

Biral									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione	hocheffizient / high-efficiency / alta efficienza										selbstlernend / self-taught / autoapprendimento							
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

KSB			
Typ	PN	3/1	L

Biral hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral unregelt / unregulated / senza regolazione							
Typ	PN	3/1	G/DN	L	Z	Bem.	

1" (Rp 1/2")

R 12-1E		1	140	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
Riotherm C 20-10		1	140	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	

1 1/4" (Rp 3/4")

Riotherm C 12/15		1	150	AXW 10	10	1	1 1/4"	120	10			WX 10	10	1	1 1/4"	120	10	
Riotherm C 12/15T		1	150	AXW 10	10	1	1 1/4"	120	10			WX 10	10	1	1 1/4"	120	10	
Riotherm C 12/30T		1	160	AXW 13	10	1	1 1/4"	150	c	cs2		WX 13	10	1	1 1/4"	150	c	
Riotherm C 20-15		1	150	AXW 12	10	1	1 1/4"	120	10	cs2		WX 12	10	1	1 1/4"	120	10	
Riotherm C 20-30		1	150	AXW 13	10	1	1 1/4"	150	-	cs2		WX 13	10	1	1 1/4"	150	-	

1 1/2" (Rp 1")

BZ 1D		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
BZ 1E		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
G 22-5 D / E		3/1	180															
G 22-8 D / E		3/1	180															
G 24-3D		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
G 24-3E		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
GG 1D		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
GG 1E		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
R 22-2E		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
R 22-5 D / E		3/1	180															
R 22-8 D / E		3/1	180															
R 24-3D		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
R 24-3E		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
RG 1D		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
RG 1E		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
Riotherm C 22/40		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs3		WX 14	10	1	1 1/4"	150	83	
Riotherm C 22/40T		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs3		WX 14	10	1	1 1/4"	150	83	
Riotherm C 22/55		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs3		WX 14	10	1	1 1/4"	150	83	
Riotherm C 22/55T		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs3		WX 14	10	1	1 1/4"	150	83	
Riotherm C 25-20		1	180	AXW 12-1	10	1	1 1/2"	180	-	cs2		WX 12	10	1	1 1/4"	120	c	
Riotherm C 25-20		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
Riotherm C 25-40		1	180	AXW 12-1	10	1	1 1/2"	180	-	cs2		WX 14	10	1	1 1/4"	150	83	
Riotherm C 25-60		1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		W 315	10	3	2"	180	Q	

2" (Rp 1 1/4")

BZ 2 D / E		3/1	180															
G 32-12 D / E		3/1	180															
GG 2 D / E		3/1	180															
R 32-12 D / E		3/1	180															
RG 2 D / E		3/1	180															
Riotherm C 30-70		3/1	180	AW 15-2	10	1	2"	180	-		9	W 315	10	3	2"	180	-	

DN 40

Riotherm C 40-70		3	250	AW 401-1	6/16	1	40	250	-		9	W 402	6/16	3/1	40	250	-	
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DN 50

Riotherm C 50-70		3	280	ModulA 40-12 250 BLUE	6/16	1	40	250	34		9	W 403	6/16	3/1	40	250	34	
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Laing					Biral							
					hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
1" (Rp 1/2")												
E4vario-15/130 G		1	1"	130	AX 12-4	10	1	1"	130	-		
E6vario-15/130 G		1	1"	130	AX 13-4	10	1	1"	130	-		
E4auto-15/130 G		1	1"	130	AX 12-4	10	1	1"	130	-		
E6auto-15/130 G		1	1"	130	AX 13-4	10	1	1"	130	-		
1 1/4" (Rp 3/4")												
E4vario-20/130 G		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
E6vario-20/130 G		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
E4vario-20/130 G		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
E6vario-20/130 G		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
1 1/2" (Rp 1")												
E4vario-25/180 G		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
E4vario-25/130 G		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
E6vario-25/180 G		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
E6vario-25/130 G		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
E4auto-25/180 G		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
E4auto-25/130 G		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
E6auto-25/180 G		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
E6auto-25/130 G		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
2" (Rp 1 1/4")												
E4vario-32/180 G		1	2"	180	AX 12-2	10	1	2"	180	-		
E6vario-32/180 G		1	2"	180	AX 13-2	10	1	2"	180	-		
E4auto-32/180 G		1	2"	180	AX 12-2	10	1	2"	180	-		
E6auto-32/180 G		1	2"	180	AX 13-2	10	1	2"	180	-		

Laing			
Typ	PN	3/1	L

Biral									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione				hocheffizient / high-efficiency / alta efficienza							selbstlernend / self-taught / autoapprendimento							
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

Laing			
Typ	PN	3/1	L

Biral hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral ungeregelt / unregulated / senza regolazione							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Rp 1/2"

E1vario-15/700 B		1	65	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
E1vario-15/700 BU		1	65	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
E1vario-15/700 BR		1	65	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
E1vario-15/700 BRU		1	65	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
E3vario-15/65 B		1	65	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	

1 1/4" / Rp 1/2"

E1vario-13/100 B		1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
E1vario-13/100 BU		1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
E1vario-13/100 BR		1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
E1vario-13/100 BRU		1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
E3vario-20/110 BX		1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	

Loewe					Biral							
					hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
1 1/2" (Rp 1")												
2404 R		1	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-	pp1	
2408 R		1	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-	pp1	
2412 R		1	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-	pp1	
2416 R		1	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-	pp1	
P 233 RD		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
P 235 RD		1	1 1/2"	160	AX 13-1	10	1	1 1/2"	180	Q		
P 235 RY		3	1 1/2"	180	A 401-1	6/10	1	40	250	Q	cs2	9
P 246 R		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
P 247 R		1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
P 247 RD		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
P 254 R		3	1 1/2"	250	A 13-1	10	1	1 1/2"	180	c		9
P 293 RD		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
P 295 RD		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
S 233 RD		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
S 235 RD		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
S 293 RD		1	1 1/2"	130	AX 12-3	10	1	1 1/2"	130	-		
S 295 RD		1	1 1/2"	130	AX 13-3	10	1	1 1/2"	130	-		
SGW 251		1	1 1/2"	250	A 14-1	10	1	1 1/2"	180	c		
SGW 252		1	1 1/2"	250	AX 13-1	10	1	1 1/2"	180	c		
SRG 251		3	1 1/2"	250	A 15-1	10	1	1 1/2"	180	c		9
SRG 252		3	1 1/2"	250	A 14-1	10	1	1 1/2"	180	c		9
V 231 R		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
V 231 RS		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
V 231 RY		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-	pp1	9
V 233 R		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
V 233 RD		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
V 233 RS		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
V 233 RY		3	1 1/2"	180	A 13-1	10	1	1 1/2"	180	-		9
V 235 R		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
V 235 RD		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
V 235 RY		3	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		9
V 241 R		1	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		
V 241 RY		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		9
V 244 R		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
V 244 RY		3	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		9
V 245 R		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
V 245 RY		3	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		9
V 247 R		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
V 253 R		3	1 1/2"	250	A 13-1	10	1	1 1/2"	180	c		9
V 261 R		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
V 263 R		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
2" (Rp1 1/4")												
P 333 RD		1	2"	180	AX 12-2	10	1	2"	180	-		
P 333 RY		3	2"	180	A 13-2	10	1	2"	180	-		9
P 335 RD		1	2"	180	AX 13-2	10	1	2"	180	-		
P 335 RY		3	2"	180	A 401-1	6/10	1	40	250	Q	cs2	9
P 347 RD		1	2"	180	A 14-2	10	1	2"	180	-		
P 347 RYD		3	2"	180	ModulA 50-6 240 RED	6/16	1	50	240	Q		9
S 333 RD		1	2"	180	AX 12-2	10	1	2"	180	-		
S 335 RD		1	2"	180	AX 13-2	10	1	2"	180	-		
SHR 321		3	2"	250	A 12-2	10	1	2"	180	2x16		9
SHR 322		3	2"	250	A 12-2	10	1	2"	180	2x16		9
SHR 323		3	2"	250	A 12-2	10	1	2"	180	2x16	pp1	9
SOR 32		3	2"	250	A 12-2	10	1	2"	180	2x16	pp1	9

Loewe				
Typ	PN	3/1	G/DN	L
SOR 33		3	2"	250
SPR 32		3	2"	250
V 231 R		3	2"	250
V 331 R		1	2"	180
V 331 RS		1	2"	180
V 331 RY		3	2"	180
V 333 R		1	2"	180
V 333 RD		1	2"	180
V 333 RS		1	2"	180
V 333 RY		3	2"	180
V 341 R		1	2"	180
V 341 RY		3	2"	180
V 344 R		1	2"	180
V 344 RY		3	2"	180
V 361 R		1	2"	180
V 363 R		1	2"	180

Biral												
hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
A 12-2	10	1	2"	180	2x16	pp1	9					
A 12-2	10	1	2"	180	2x16	pp1	9					
A 12-2	10	1	2"	180	2x16	pp1	9					
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							
A 12-2	10	1	2"	180	-	pp1	9					
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							
A 13-2	10	1	2"	180	-		9					
A 12-2	10	1	2"	180	-							
A 12-2	10	1	2"	180	-		9					
AX 13-2	10	1	2"	180	-							
A 14-2	10	1	2"	180	-		9					
AX 12-2	10	1	2"	180	-							
AX 12-2	10	1	2"	180	-							

2 1/4" (Rp 1 1/2")

P 433 RD		1	2 1/4"	180
P 433 RY		3	2 1/4"	180

AX 12-2	10	1	2"	180	Q		
A 13-2	10	1	2"	180	Q		9

DN 32

P 333 FD		1	32	220
P 333 FHD	16	1	32	220
P 333 FHY	16	3	32	220
P 333 FY		3	32	220
P 335 FD		1	32	220
P 335 FHD	16	1	32	220
P 335 FHY	16	3	32	220
P 335 FY		3	32	220
SH 321		3	32	220
SH 322		3	32	220
SH 323		3	32	220
SO 32		3	32	220
SO 33		3	32	220
SP 32		3	32	220
V 323 F		3	32	250
V 331 F		1	32	220
V 331 FY		3	32	220
V 333 FD		1	32	220
V 333FY		3	32	220
V 335 F		1	32	220
V 335 FD		1	32	220
V 335 FHY	16	3	32	220
V 335 FY		3	32	220
V 341 F		1	32	220
V 341 FY		3	32	220
V 344 F		1	32	220
V 344 FY		3	32	220
V 345 F		1	32	220
V 345 FY		3	32	220

AX 12-2	10	1	2"	180	25		
A 13-2	10	1	2"	180	25		9
AX 13-2	10	1	2"	180	25		
A 401	6/10	1	40	220	Q	cs2	
A 14-2	10	1	2"	180	25		9
A 12-2	10	1	2"	180	25		9
A 12-2	10	1	2"	180	25		9
A 12-2	10	1	2"	180	25	pp1	9
A 12-2	10	1	2"	180	25	pp1	9
A 12-2	10	1	2"	180	25	pp1	9
A 13-2	10	1	2"	180	c		9
A 12-2	10	1	2"	180	25	pp1	
A 12-2	10	1	2"	180	25	pp1	9
AX 12-2	10	1	2"	180	25		
A 13-2	10	1	2"	180	25		9
AX 13-2	10	1	2"	180	25		
A 14-2	10	1	2"	180	25		9
A 12-2	10	1	2"	180	25		
A 12-2	10	1	2"	180	25		9
AX 13-2	10	1	2"	180	25		
A 14-2	10	1	2"	180	25		9
AX 13-2	10	1	2"	180	25		
A 14-2	10	1	2"	180	25		9

DN 40

P 402 F		3	40	250
P 403 F		3	40	250
P 405 FD		1	40	250
P 405 FHD	16	1	40	250
P 405 FHYD	16	3	40	250

A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	

Loewe				
Typ	PN	3/1	G/DN	L
P 405 FYD		3	40	250
P 409 FHYD	16	3	40	250
P 409 FYD		3	40	250
P 433 FD		1	40	220
P 433 FHD	16	1	40	220
P 433 FHY	16	3	40	220
P 433 FY		3	40	220
SH 401		3	40	250
SH 402		3	40	250
V 401 F		3	40	250
V 403 F		3	40	250
V 403 FH	16	3	40	250
V 403 FHY	16	3	40	250
V 403 FY		3	40	250
V 431 F		1	40	220
V 431 FY		3	40	220
V 433 FD		1	40	220
V 433 FY		3	40	220
V 441 F		1	40	220
V 441 FY		3	40	220

DN 50

P 503 F		3	50	280
P 504 F		3	50	280
P 505 F		3	50	280
P 505 FD		1	50	280
P 505 FHD	16	1	50	280
P 505 FHYD	16	3	50	280
P 505 FYD		3	50	280
P 508 FD		1	50	280
P 508 FHD	16	1	50	280
P 508 FHYD	16	3	50	280
P 508 FYD		3	50	280
P 531 FD		1	50	220
P 531 FHD	16	1	50	220
P 531 FHY	16	3	50	220
P 531 FY		3	50	220
P 5012 FHYD	16	3	50	280
P 5012 FYD		3	50	280
SH 501		3	50	280
SH 502		3	50	280
SO 50		3	50	240
SP 50		3	50	240
V 501 F		3	50	250
V 505 F		3	50	280
V 505 FHY	16	3	50	280
V 505 FY		3	50	280
V 531 F		3	50	220
V 531 FD		1	50	220
V 531 FHY	16	3	50	220
V 531 FY		3	50	220
V 541 F		1	50	220
V 541 FY		3	50	220

DN 65

P 641 F		1	65	220
P 641 FD		1	65	220

Biral												
hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
A 401-1	6/10	1	40	250	-	cs2	9					
ModulA 40-12 250 RED	6/16	1	40	250	-		9					
ModulA 40-12 250 RED	6/16	1	40	250	-		9					
A 401	6/10	1	40	220	-	cs2						
A 401	6/10	1	40	220	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401-1	6/10	1	40	250	-	cs2	9					
A 401	6/10	1	40	220	-	cs2						
A 401	6/10	1	40	220	-	cs2	9					
A 401	6/10	1	40	220	-	cs2						
A 401	6/10	1	40	220	-	cs2	9					

A 500	6/10	1	50	220	2x42		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		
ModulA 50-6 240 RED	6/16	1	50	240	2x47		
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		
ModulA 50-12 270 RED	6/16	1	50	270	41		
ModulA 50-12 270 RED	6/16	1	50	270	41		
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
A 500	6/10	1	50	220	-		
A 500	6/10	1	50	220	-		
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
A 500	6/10	1	50	220	47		9
A 500	6/10	1	50	220	47		9
A 500	6/10	1	50	220	42		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
A 500	6/10	1	50	220	-		9
A 500	6/10	1	50	220	-		
A 500	6/10	1	50	220	-		9
ModulA 50-6 240 RED	6/16	1	50	240	Q		9
A 500	6/10	1	50	220	-		
A 500	6/10	1	50	220	-		9

ModulA 65-8 270 RED	6/16	1	65	270	Q		
ModulA 65-8 270 RED	6/16	1	65	270	Q		

Loewe				
Typ	PN	3/1	G/DN	L
P 641 FHD	16	1	65	220
P 641 FHY	16	3	65	220
P 641 FY		3	65	220
P 641 FHYD	16	3	65	220
P 641 FYD		3	65	220
P 651 F		3	65	250
P 655 FY		3	65	340
P 656 FY		3	65	340
P 657 FY		3	65	340
P 658 FY		3	65	340
P 659 FY		3	65	340
P 665 FHY	16	3	65	340
P 665 FY		3	65	340
P 666 FHY	16	3	65	340
P 666 FY		3	65	340
P 667 FHY	16	3	65	340
P 667 FY		3	65	340
P 668 FHY	16	3	65	340
P 668 FY		3	65	340
P 669 FHY	16	3	65	340
P 669 FY		3	65	340
P 677 FHYD	16	3	65	340
P 677 FYD		3	65	340
P 6712 FHYD	16	3	65	340
P 6712 FYD		3	65	340
SO 65		3	65	280

Biral												
hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
ModulA 65-8 270 RED	6/16	1	65	270	Q							
ModulA 65-8 270 RED	6/16	1	65	270	Q		9					
ModulA 65-8 270 RED	6/16	1	65	270	Q		9					
ModulA 65-8 270 RED	6/16	1	65	270	Q		9					
ModulA 65-8 270 RED	6/16	1	65	270	Q		9					
ModulA 65-8 270 RED	6/16	1	65	270	Q		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-12 340 RED	6/16	1	65	340	-		9					
ModulA 65-8 270 RED	6/16	1	65	270	56		9					

DN 80												
P 801 F		3	80	280								
P 809 FY		3	80	360								
P 818 FHYD	16	3	80	360								
P 818 FYD		3	80	360								
P 819 FHY		3	80	360								
P 819 FY		3	80	360								
P 841 F		1	80	280								
P 841 FD		1	80	280								
P 841 FHD	16	1	80	280								
P 841 FHY	16	3	80	280								
P 841 FY		3	80	280								
P 841 FHYD	16	3	80	280								
P 841 FYD		3	80	280								
P 8010 FY		3	80	360								
P 8110 FHY	16	3	80	360								
P 8110 FY		3	80	360								
P 8113 FHYD	16	3	80	360								
P 8113 FYD		3	80	360								
SO 80		3	80	330								
ModulA 80-8 360 RED	6/16	1	80	360	Q							9,11
ModulA 80-12 360 RED	6/16	1	80	360	-							9,11
ModulA 80-8 360 RED	6/16	1	80	360	-							9,11
ModulA 80-8 360 RED	6/16	1	80	360	-							9,11
ModulA 80-12 360 RED	6/16	1	80	360	-							9,11
ModulA 80-12 360 RED	6/16	1	80	360	-							9,11
ModulA 80-8 360 RED	6/16	1	80	360	Q							11
ModulA 80-8 360 RED	6/16	1	80	360	Q							11
ModulA 80-8 360 RED	6/16	1	80	360	Q							11
ModulA 80-8 360 RED	6/16	1	80	360	Q							9,11
ModulA 80-8 360 RED	6/16	1	80	360	Q							9,11
ModulA 80-8 360 RED	6/16	1	80	360	Q							9,11
ModulA 80-12 360 RED	6/16	1	80	360	-							9,11
ModulA 80-12 360 RED	6/16	1	80	360	-							9,11
ModulA 80-12 360 RED	6/16	1	80	360	-							9,11
ModulA 80-12 360 RED	6/16	1	80	360	-							9,11
ModulA 80-12 360 RED	6/16	1	80	360	-							9,11
ModulA 80-8 360 RED	6/16	1	80	360	Q							9,11

DN 100												
P 10013 FHYD		3	100	395								
P 10013 FYP		3	100	395								
ModulA 100-12 450 RED	6/16	1	100	450	Q							9,11
ModulA 100-12 450 RED	6/16	1	100	450	Q							9,11

Loewe				
Typ	PN	3/1	G/DN	L

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				

DN 32												
ZP 323 D		1	32	220								
ZP 323 HD	16	1	32	220								
ZP 323 HY	16	3	32	220								
ZP 323 Y		3	32	220								
ZP 325 D		1	32	220								
Z 24	16	1	32	190								
ZP 325 HY	16	3	32	160								
ZP 325 Y		3	32	220								
ZP 347 D		1	32	220								
ZP 347 HD	16	1	32	220								
ZP 347 HYD	16	3	32	220								
ZP 347 YD		3	32	220								
ZV 321		3	32	250								
ZV 323		3	32	250								
ZV 323 D		1	32	220								
ZV 323 HY	16	3	32	220								
ZV 323 Y		3	32	220								
ZV 325 D		1	32	220								
ZV 325 HY	16	3	32	220								
ZV 325 Y		3	32	220								
ZV 335		3	32	220								
ZV 335 HY	16	3	32	220								
ZV 335 Y		3	32	220								
ZV 344		3	32	220								
ZV 344 Y		3	32	220								
ZV 345		3	32	220								

DN 40												
ZP 402		3	40	250	AD 401	6/10	1	40	220	34	cs2	9
ZP 403		3	40	250	AD 401	6/10	1	40	220	34	cs2	9
ZP 405 D		1	40	250	AD 401	6/10	1	40	220	34	cs2	
ZP 405 HD	16	1	40	250								
ZP 405 HYD	16	3	40	250								
ZP 405 YD		3	40	250	AD 401	6/10	1	40	220	34	cs2	9
ZP 409 HYD	16	3	40	250								
ZP 409 YD		3	40	250								
ZV 403		1	40	250	AD 401	6/10	1	40	220	34	cs2	9
ZV 403 H	16	1	40	250								
ZV 403 HY	16	3	40	250								
ZV 403 Y		3	40	250	AD 401	6/10	1	40	220	34	cs2	9

DN 50												
ZP 503		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ZP 504		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ZP 505		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ZP 505 D		1	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		
ZP 505 HD	16	1	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		
ZP 505 HYD	16	3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ZP 505 YD		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ZP 508 D		1	50	280								
ZP 508 HD	16	1	50	280								
ZP 508 HYD	16	3	50	280								
ZP 508 YD		3	50	280								
ZP 5012 HYD	16	3	50	280								
ZP 5012 YD		3	50	280								
ZV 505		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9

Loewe →				
Typ	PN	3/1	G/DN	L
ZV 505 HY	16	3	50	280
ZV 505 Y		3	50	280

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9				
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9				

DN 65												
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
ZP 655		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 656		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 657		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 658		3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-	cs2	9
ZP 659		3	65	340								
ZP 665		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 665 HY	16	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 665 Y		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 666		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 666 HY	16	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 666 Y		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 667 HY	16	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 667 Y		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 668		3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-	cs2	9
ZP 668 HY	16	3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-	cs2	9
ZP 668 Y		3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-	cs2	9
ZP 669		3	65	340								
ZP 669 HY	16	3	65	340								
ZP 669 Y		3	65	340								
ZP 677 HYD	16	3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 677 YD		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZP 6712 HYD	16	3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-		9
ZP 6712 YD		3	65	340	ModulA-D 65-12 340 RED	6/16	1	65	340	-		9

DN 80												
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
ZP 809		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 818 HYD	16	3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
ZP 818 YD		3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
ZP 819		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 819 HY	16	3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 819 Y		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 8010		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 8110		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 8110 HY	16	3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 8110 Y		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 8113 HYD	16	3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZP 8113 YD		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11

DN 100												
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
ZP 10013 HYD	16	3	100	395	ModulA-D 100-12 450 RED	6/16	1	100	450	Q		9,11
ZP 10013 YD		3	100	395	ModulA-D 100-12 450 RED	6/16	1	100	450	Q		9,11

Loewe →			
Typ	PN	3/1	L

Biral									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral								
Typ	PN	3/1	G/DN	L	Z	Bem.		

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione	hocheffizient / high-efficiency / alta efficienza										selbstlernend / self-taught / autoapprendimento							
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

Loewe			
Typ	PN	3/1	L

Biral hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral ungeregelt / unregulated / senza regolazione								
Typ	PN	3/1	G/DN	L	Z	Bem.		

1 1/2" (Rp 1")

C 151		1	86	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
C 151 U		1	86	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
C 151 X		1	130	AXW 10	10	1	1 1/4"	120	c			WX 10	10	1	1 1/4"	120	c	
C 151 XU		1	130	AXW 10	10	1	1 1/4"	120	c			WX 10	10	1	1 1/4"	120	c	
C 222		1	130	AXW 12	10	1	1 1/4"	120	c	cs2		WX 12	10	1	1 1/4"	120	c	
Z 24		1	190	AXW 13	10	1	1 1/4"	150	c	cs2		WX 13	10	1	1 1/4"	150	c	
C 223 Y		3	160	AXW 13	10	1	1 1/4"	150	c	cs2	9	W 313	10	3	1 1/4"	150	c	
C 225		1	130	AXW 13	10	1	1 1/4"	150	Q	cs2		WX 13	10	1	1 1/4"	150	Q	
C 225 Y		3	130	AXW 13	10	1	1 1/4"	150	Q	cs2	9	W 313	10	3	1 1/4"	150	Q	
C 241		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
C 243		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
K 241		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
K 243		3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
VC 222		1	130	AXW 13	10	1	1 1/4"	150	Q	cs2		WX 12	10	1	1 1/4"	120	c	
VC 223		1	130	AXW 13	10	1	1 1/4"	150	Q	cs2		WX 13	10	1	1 1/4"	150	Q	
VC 223 Y		3	130	AXW 13	10	1	1 1/4"	150	Q	cs2	9	W 313	10	3	1 1/4"	150	Q	
VC 225		1	130	AXW 13	10	1	1 1/4"	150	Q	cs2		WX 13	10	1	1 1/4"	150	Q	
VC 225 Y		3	130	AXW 13	10	1	1 1/4"	150	Q	cs2	9	W 313	10	3	1 1/4"	150	Q	

Speck					Biral							
					hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
1 1/4" (Rp 3/4")												
A-20/43 U 3		1	1 1/4"	180	AX 12-1	10	1	1 1/2"	180	Q		
AU 20/16		1	1 1/4"	180	A 14-1	10	1	1 1/2"	180	Q		
AU 20/43		1	1 1/4"	180	AX 12-1	10	1	1 1/2"	180	Q		
AU 20/64		1	1 1/4"	180	AX 13-1	10	1	1 1/2"	180	Q		
AU 20/161		1	1 1/4"	130	AX 13-3	10	1	1 1/2"	130	Q		
N 20/33		1	1 1/4"	180	AX 12-1	10	1	1 1/2"	180	Q		
N 20/43		1	1 1/4"	130	AX 12-3	10	1	1 1/2"	130	Q		
1 1/2" (Rp 1")												
A-25/2		3	1 1/2"	190	A 13-1	10	1	1 1/2"	180	c		9
A-25/2		1	1 1/2"	190	AX 12-1	10	1	1 1/2"	180	c		
A-25/4		3	1 1/2"	190	A 12-1	10	1	1 1/2"	180	c	pp1	9
A-25/4		1	1 1/2"	190	AX 12-1	10	1	1 1/2"	180	c		
A-25/43 U 3		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
AU 25/16		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
AU 25/43		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
AU 25/64		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
AU 25/161		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
N 25/33		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
N 25/75		1	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		
NE 25/30		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
NE 25/33		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
NE 25/70		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
NE 25/70 L		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
VA-25/15		3	1 1/2"	180	A 15-1	10	1	1 1/2"	180	-		9
VA-25/15		1	1 1/2"	180	AX 13-1	10	1	1 1/2"	180	-		
VA-25/16		3	1 1/2"	180	A 16-1	10	1	1 1/2"	180	-		9
VA-25/16		1	1 1/2"	180	A 14-1	10	1	1 1/2"	180	-		
VA-25/2		3	1 1/2"	190	A 13-1	10	1	1 1/2"	180	c		9
VA-25/2		1	1 1/2"	190	AX 13-1	10	1	1 1/2"	180	c		
VA-25/4		3	1 1/2"	190	A 12-1	10	1	1 1/2"	180	c	pp1	9
VA-25/4		1	1 1/2"	190	AX 12-1	10	1	1 1/2"	180	c		
VA-25/43		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-		9
VA-25/43		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
VA-25/43 U		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
VA-25/52		3	1 1/2"	180	A 12-1	10	1	1 1/2"	180	-	pp1	9
VA-25/52		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
VA-25/64		3	1 1/2"	180	A 13-1	10	1	1 1/2"	180	-		9
VA-25/64		1	1 1/2"	180	AX 12-1	10	1	1 1/2"	180	-		
2" (Rp1 1/4")												
A-30/2 H		3	2"	250	A 16-2	10	1	2"	180	2x16		9
A-30/2 H		1	2"	250	A 15-2	10	1	2"	180	2x16		
A-32/43 U 3		1	2"	180	AX 12-2	10	1	2"	180	-		
AU 32/16		1	2"	180	A 14-2	10	1	2"	180	-		
AU 32/43		1	2"	180	AX 12-2	10	1	2"	180	-		
AU 32/64		1	2"	180	AX 13-2	10	1	2"	180	-		
AU 32/86		3	2"	180	A 15-2	10	1	2"	180	-		9
AU 32/161		1	2"	180	AX 13-2	10	1	2"	180	-		
U-30/2		3	2"	205	A 12-2	10	1	2"	180	c		9
U-30/2		1	2"	205	AX 12-2	10	1	2"	180	c		
U-30/21		3	2"	205	A 12-2	10	1	2"	180	c		9
U-30/21		1	2"	205	AX 12-2	10	1	2"	180	c		
U-30/4		3	2"	205	A 12-2	10	1	2"	180	c	pp1	9
U-30/4		1	2"	205	A 12-2	10	1	2"	180	c		
U-30/41		3	2"	205	A 12-2	10	1	2"	180	c	pp1	9

Speck					Biral							
Typ	PN	3/1	G/DN	L	hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
U-30/41		1	2"	205	A 12-2	10	1	2"	180	c	pp1	
N 32/33		1	2"	180	AX 12-2	10	1	2"	180	-		
N 32/53		1	2"	180	AX 13-2	10	1	2"	180	-		
N 32/75		1	2"	180	A 15-2	10	1	2"	180	-		
NE 32/30		1	2"	180	AX 12-2	10	1	2"	180	-		
NE 32/33		1	2"	180	AX 12-2	10	1	2"	180	-		
NE 32/70		1	2"	180	A 14-2	10	1	2"	180	-		
NE 32/70 L		1	2"	180	A 14-2	10	1	2"	180	-		
VA-32/43		3	2"	180	A 12-2	10	1	2"	180	-		9
VA-32/43		1	2"	180	AX 12-2	10	1	2"	180	-		
VA-32/43 U		1	2"	180	AX 12-2	10	1	2"	180	-		
VA-32/52		3	2"	180	A 12-2	10	1	2"	180	-	pp1	9
VA-32/52		1	2"	180	AX 12-2	10	1	2"	180	-		
VA-32/62		3	2"	180	A 12-2	10	1	2"	180	-		9
VA-32/62		1	2"	180	AX 12-2	10	1	2"	180	-		
VA-32/64		3	2"	180	A 13-2	10	1	2"	180	-		9
VA-32/64		1	2"	180	AX 12-2	10	1	2"	180	-		
VA-32/73		3	2"	180	A 13-2	10	1	2"	180	-		9
VA-32/73		1	2"	180	AX 13-2	10	1	2"	180	-		
VA-32/82		3	2"	250	A 12-2	10	1	2"	180	2x16		9
VA-32/86		3	2"	250	A 15-2	10	1	2"	180	2x16		9
VA-32/86		1	2"	250	A 14-2	10	1	2"	180	2x16		

DN 32												
A-30/2		3/1	32	250	A 15-2	10	1	2"	180	c		9
A-30/4		3	32	250	A 12-2	10	1	2"	180	c		9
A-30/4		1	32	250	A 12-2	10	1	2"	180	c		

DN 40												
A-40/2		3	40	250	ModulA 40-10 220 RED	6/16	1	40	220	34		9
A-40/4		3	40	250	A 401-1	6/10	1	40	250	-	cs2	9
AU 40/4		3	40	250	A 401-1	6/10	1	40	250	-	cs2	9
AU 40/86		3	40	250	A 401-1	6/10	1	40	250	-	cs2	9
AU 40/94		1	40	250								
NE 40/40		1	40	220	A 16-2	10	1	2"	180	c		
NE 40/40 L		1	40	220	A 16-2	10	1	2"	180	c		
NE 40/100		1	40	250	ModulA 40-12 250 RED	6/16	1	40	250	-		
NE 40/100 L		1	40	250	ModulA 40-12 250 RED	6/16	1	40	250	-		
U-40/2		3/1	40	220	A 13-2	10	1	2"	180	c		9
U-40/4		3/1	40	220	A 13-2	10	1	2"	180	c		9
VA-40/82		3	40	250	A 13-2	10	1	2"	180	29+35		9
VA-40/86		3	40	250	ModulA 40-10 220 RED	6/16	1	40	220	34		9
VA-40/86		1	40	250								
VA-40/94		3/1	40	250	A 401-1	6/10	1	40	250	-	cs2	9

DN 50												
A-50/4		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
A-50/41		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
AU 50/4		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
G-50/2		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
G-50/21		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
G-50/22		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
G-50/23		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
GU 50/2		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
NE 50/70		1	50	280	ModulA 40-12 250 RED	6/16	1	40	250	34		8
NE 50/70 L		1	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		
NE 50/100		1	50	280	ModulA 50-12 270 RED	6/16	1	50	270	41		
NE 50/100 L		1	50	280	ModulA 50-12 270 RED	6/16	1	50	270	41		

Speck →					Biral hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
U-50/2		3	50	240	A 500	6/10	1	50	220	47		9
U-50/4		3	50	240	A 500	6/10	1	50	220	47		9
VA-50/477		3	50	280	ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
DN 65												
A-65/4		3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
AU 65/4		3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
G-65/2		3	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		9
G-65/21		3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
G-65/22		3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
GU 65/2		3	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-		9
GU 65/21		3	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		9
NE 65/100		1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		
NE 65/100 L		1	65	340	ModulA 65-8 340 RED	6/16	1	65	340	-		
U-70/2		3	65	280	ModulA 65-8 270 RED	6/16	1	65	270	56		9
U-70/4		3	65	280	ModulA 65-8 270 RED	6/16	1	65	270	56		9
DN 80												
A-80/4		3	80	360	ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
AU 80/4		3	80	360	ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
G-80/2		3	80	360	ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
G-80/21		3	80	360	ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
G-80/22		3	80	360	ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
GU 80/2		3	80	360	ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
NE 80/100		1	80	360	ModulA 80-12 360 RED	6/16	1	80	360	-		11
NE 80/100 L		1	80	360	ModulA 80-12 360 RED	6/16	1	80	360	-		11
U-80/4		3	80	330	ModulA 80-8 360 RED	6/16	1	80	360	Q		9,11
DN 100												
U-100/4		3	100	380	ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11
U-100/41		3	100	380	ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11

Speck →					Biral hocheffizient / high-efficiency / alta efficienza							
Typ	PN	3/1	G/DN	L	Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
DN 32												
ZAU 32/43		1	32	220								
ZAU 32/64		1	32	220								
ZVA 32/43		3/1	32	220								
ZVA 32/52		3/1	32	220								
ZVA 32/62		3/1	32	220								
ZVA 32/64		3/1	32	220								
DN 40												
ZAU 40/86		3	40	250	AD 401	6/10	1	40	220	34	cs2	9
ZAU 40/94		1	40	250								
ZVA 40/94		3/1	40	250	AD 401	6/10	1	40	220	34	cs2	9
DN 50												
ZAU 50/4		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ZGU 50/2		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
ZVA 50/177		3	50	280	ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9
DN 65												
ZA 65/4		3	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
ZA 65/41		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZA 65/42		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZAU 65/4		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZG 65/2		3	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
ZG 65/21		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZG 65/22		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
ZGU 65/2		3	65	340	ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
ZGU 65/21		3	65	340	ModulA-D 65-8 340 RED	6/16	1	65	340	-		9
DN 80												
ZAU 80/4		3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
ZG 80/2		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZG 80/21		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11
ZG 80/22		3	80	360	ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11
ZGU 80/2		3	80	360	ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11

Speck			
Typ	PN	3/1	L

Biral									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione				hocheffizient / high-efficiency / alta efficienza							selbstlernend / self-taught / autoapprendimento							
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

Speck			
Typ	PN	3/1	L

Biral hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral unregelt / unregulated / senza regolazione							
Typ	PN	3/1	G/DN	L	Z	Bem.	

1" (Rp 1/2")

BN 15		1	130
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AXW 10	10	1	1 1/4"	120	c		
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WX 10	10	1	1 1/4"	120	c	
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1 1/4" (Rp 3/4")

BA 25/41		1	150
BA 25/41		3	150
BA 25/43		1	150
BA 25/43		3	150
BA 25/64		1	150
BA 25/64		3	150
MBA 25/41		1	150
MBA 25/41		3	150

AXW 12	10	1	1 1/4"	120	10	cs2	
AXW 13	10	1	1 1/4"	150	-	cs2	9
AXW 13	10	1	1 1/4"	150	-	cs2	
AXW 13	10	1	1 1/4"	150	-	cs2	9
AXW 13	10	1	1 1/4"	150	-	cs3	
AXW 13	10	1	1 1/4"	150	-	cs3	9
AXW 13	10	1	1 1/4"	150	-	cs2	
AXW 13	10	1	1 1/4"	150	-	cs2	9

WX 12	10	1	1 1/4"	120	10	
W 313	10	3	1 1/4"	150	-	
WX 13	10	1	1 1/4"	150	-	
W 313	10	3	1 1/4"	150	-	
WX 14	10	1	1 1/4"	150	-	
W 314	10	3	1 1/4"	150	-	
WX 13	10	1	1 1/4"	150	-	
W 313	10	3	1 1/4"	150	-	

1 1/2" (Rp 1")

BN 20/11		1	150
BN 20/22		1	150
BN 20/43		1	150
BVA 25/33		1	180
BVA 25/41		1	180
BVA 25/43		1	180
BVA 25/64		1	180

AXW 10	10	1	1 1/4"	120	83		
AXW 12	10	1	1 1/4"	120	83	cs2	
AXW 13	10	1	1 1/4"	150	Q	cs2	
AXW 13-1	10	1	1 1/2"	180	-	cs2	
AXW 12-1	10	1	1 1/2"	180	-	cs2	
AXW 13-1	10	1	1 1/2"	180	-	cs2	
AW 15-2	10	1	2"	180	Q		

WX 10	10	1	1 1/4"	120	83	
WX 12	10	1	1 1/4"	120	83	
WX 13	10	1	1 1/4"	150	Q	
WX 13	10	1	1 1/4"	150	83	
WX 12	10	1	1 1/4"	120	c	
WX 13	10	1	1 1/4"	150	83	
W 315	10	3	2"	180	Q	

Vortex	⇒		
Typ	PN	3/1	L

Biral									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione	hocheffizient / high-efficiency / alta efficienza										selbstlernend / self-taught / autoapprendimento							
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

Vortex			
Typ	PN	3/1	L

Biral									
hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral							
ungeregelt / unregulated / senza regolazione							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Rp 1/2"

BW 150	10	1	80	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BW 150 (90)	10	1	90	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BW 151	10	1	80	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BW 152	10	1	80	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BW 153 (R)	10	1	80	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 150	10	1	90	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 151	10	1	80	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 152	10	1	80	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 153 R	10	1	80	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	

Rp 3/4"

100V	10	1	120	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
100 VK	10	1	120	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BW 150	10	1	120	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 150	10	1	120	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 153 V	10	1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	

1 1/4" (Rp 3/4")

BW 150 (120)	10	1	120	AXW 10	10	1	1 1/4"	120	-			WX 10	10	1	1 1/4"	120	-	
BW 150 V	10	1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BW 151 V	10	1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BW 152 V	10	1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BW 400	10	1	150	AXW 10	10	1	1 1/4"	120	10			WX 10	10	1	1 1/4"	120	10	
BW 400 V	10	1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWV 150	10	1	120	AXW 10	10	1	1 1/4"	120	-			WX 10	10	1	1 1/4"	120	-	
BWZ 150 (120)	10	1	120	AXW 10	10	1	1 1/4"	120	-			WX 10	10	1	1 1/4"	120	-	
BWZ 150 V	10	1	150	AXW 10	10	1	1 1/4"	120	10			WX 10	10	1	1 1/4"	120	10	
BWZ 150 V	10	1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 151 V	10	1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 153 V	10	1	110	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
BWZ 400	10	1	150	AXW 13-1	10	1	1 1/2"	180	Q									
BWZ 400 V	10	1	110	AXW 13-1	10	1	1 1/2"	180	Q									

1 1/2" (Rp 1")

BW 352	10	1	150	AXW 13-1	10	1	1 1/2"	180	Q									
BW 401 V	10	1	150	AXW 13-1	10	1	1 1/2"	180	Q									
BWZ 401 V	10	1	150	AXW 13-1	10	1	1 1/2"	180	Q									
M 551 BW BZ	10	1	150	AXW 13-1	10	1	1 1/2"	180	Q									
M 551 BW GG	10	1	150	AXW 13-1	10	1	1 1/2"	180	Q									

Wilo				
Typ	PN	3/1	G/DN	L

1" (Rp 1/2")				
Star-E 15/1-3	10	1	1"	130
Star-E 15/1-5	10	1	1"	130
Star-E 20/1-3	10	1	1"	130
Star-E 20/1-5	10	1	1"	130
Star RS 15/4	10	1	1"	130
Star RS 15/6	10	1	1"	130
Stratos ECO 15/1-3	10	1	1"	130
Stratos ECO 15/1-5	10	1	1"	130
Stratos PICO 15/1-4	10	1	1"	130
Stratos PICO 15/1-6	10	1	1"	130
Yonos PICO 15/1-4	10	1	1"	130
Yonos PICO 15/1-6	10	1	1"	130

1 1/4" (Rp 3/4")				
P 20-1	10	1	1 1/4"	140
P 20-2	10	1	1 1/4"	140
S 20-1	6	1	1 1/4"	140
S 20-2	6	1	1 1/4"	140

1 1/2" (Rp 1")				
E 25/1-5	10	1	1 1/2"	180
H 25	10	3/1	1 1/2"	180
P 25	10	1	1 1/2"	180
P 25-1	10	1	1 1/2"	180
P 25-2	10	1	1 1/2"	180
RH 25	10	3/1	1 1/2"	180
RP 25	10	3/1	1 1/2"	180
RP 25-1	10	3/1	1 1/2"	180
RP 25/60-2	10	1	1 1/2"	180
RP 25/60 r	10	1	1 1/2"	180
RP 25/80 v (r)	10	1	1 1/2"	180
RP 25/100 v (r)	10	1	1 1/2"	180
RS 25	10	1	1 1/2"	180
RS 25-1 (v)	10	1	1 1/2"	180
RS 25-2	10	1	1 1/2"	180
RS 25/50 (r)	10	1	1 1/2"	180
RS 25/60 v (r)	10	1	1 1/2"	180
RS 25/70 v (r)	10	1	1 1/2"	180
RS 25/80 (v) (r)	10	3/1	1 1/2"	180
S 25	10	1	1 1/2"	180
S 25-1	10	1	1 1/2"	180
S 25-2	10	1	1 1/2"	180
Smart 15/4-130	10	1	1 1/2"	130
Smart 15/6-130	10	1	1 1/2"	130
Smart 25/4	10	1	1 1/2"	180
Smart 25/4-130	10	1	1 1/2"	130
Smart 25/6	10	1	1 1/2"	180
Smart 25/6-130	10	1	1 1/2"	130
Star-E 25/1-3	10	1	1 1/2"	180
Star-E 25/1-3-130	10	1	1 1/2"	130
Star-E 25/1-5	10	1	1 1/2"	180
Star-E 25/1-5-130	10	1	1 1/2"	130
Star-E 25/1-5 IS	10	1	1 1/2"	180
Star-E 25/1-5 ISSM	10	1	1 1/2"	180
Star-E 25/1-5 SSM	10	1	1 1/2"	180
Star-E 25/2	10	1	1 1/2"	180

Biral									hocheffizient / high-efficiency / alta efficienza			
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					

AX 12-4	10	1	1"	130	-				
AX 13-4	10	1	1"	130	-				
AX 12-4	10	1	1"	130	-				
AX 13-4	10	1	1"	130	-				
AX 12-4	10	1	1"	130	-				
AX 13-4	10	1	1"	130	c				
AX 12-4	10	1	1"	130	-				
AX 13-4	10	1	1"	130	-				
AX 12-4	10	1	1"	130	-				
AX 13-4	10	1	1"	130	-				
AX 12-4	10	1	1"	130	-				
AX 13-4	10	1	1"	130	-				

AX 12-3	10	1	1 1/2"	130	c				
AX 12-3	10	1	1 1/2"	130	c				
AX 12-3	10	1	1 1/2"	130	c				
AX 12-3	10	1	1 1/2"	130	c				

AX 13-1	10	1	1 1/2"	180	-				
A 15-1	10	1	1 1/2"	180	-			9	
A 12-1	10	1	1 1/2"	180	-	pp1			
A 12-1	10	1	1 1/2"	180	-	pp1			
A 12-1	10	1	1 1/2"	180	-	pp1			
A 15-1	10	1	1 1/2"	180	-			9	
A 12-1	10	1	1 1/2"	180	-	pp1		9	
A 13-1	10	1	1 1/2"	180	-	pp1		9	
AX 10-1	10	1	1 1/2"	180	-				
AX 10-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
A 14-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
AX 13-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
A 14-1	10	1	1 1/2"	180	-			9	
AX 12-1	10	1	1 1/2"	180	-				
AX 12-1	10	1	1 1/2"	180	-				
AX 12-3	10	1	1 1/2"	130	-				
AX 13-3	10	1	1 1/2"	130	-				
AX 12-1	10	1	1 1/2"	180	-				
AX 12-3	10	1	1 1/2"	130	-				
AX 13-1	10	1	1 1/2"	180	-				
AX 13-3	10	1	1 1/2"	130	-				
AX 13-1	10	1	1 1/2"	180	-				
AX 13-3	10	1	1 1/2"	130	-				
AX 13-1	10	1	1 1/2"	180	-				
A 13-1	10	1	1 1/2"	180	-				3
A 13-1	10	1	1 1/2"	180	-				3
AX 12-1	10	1	1 1/2"	180	-				

Wilo				
Typ	PN	3/1	G/DN	L
Star RS 25/2	10	1	1 1/2"	180
Star RS 25/4	10	1	1 1/2"	180
Star RS 25/4-130	10	1	1 1/2"	130
Star RS 25/6	10	1	1 1/2"	180
Star RS 25/6-130	10	1	1 1/2"	130
Stratos 25/1-4	10	1	1 1/2"	180
Stratos 25/1-6	10	1	1 1/2"	180
Stratos 25/1-8	10	1	1 1/2"	180
Stratos 25/1-10	10	1	1 1/2"	180
Stratos 25/1-12	10	1	1 1/2"	180
Stratos ECO 25/1-3	10	1	1 1/2"	180
Stratos ECO 25/1-3 BMS	10	1	1 1/2"	180
Stratos ECO 25/1-3-130	10	1	1 1/2"	130
Stratos ECO 25/1-5	10	1	1 1/2"	180
Stratos ECO 25/1-5 BMS	10	1	1 1/2"	180
Stratos ECO 25/1-5-130	10	1	1 1/2"	130
Stratos Pico 25/1-4	10	1	1 1/2"	180
Stratos Pico 25/1-4-130	10	1	1 1/2"	130
Stratos Pico 25/1-6	10	1	1 1/2"	180
Stratos Pico 25/1-6-130	10	1	1 1/2"	130
TOP-E 25/1-7	10	1	1 1/2"	180
TOP-RS 25/7	10	1	1 1/2"	180
TOP-S 25/5	10	3	1 1/2"	180
TOP-S 25/5	10	1	1 1/2"	180
TOP-S 25/7	10	3	1 1/2"	180
TOP-S 25/7	10	1	1 1/2"	180
TOP-S 25/10	10	3	1 1/2"	180
TOP-S 25/10	10	1	1 1/2"	180
TOP-SV 25/7	10	3/1	1 1/2"	280
Yonos MAXO 25/0.5-7	10	1	1 1/2"	180
Yonos MAXO 25/0.5-10	10	1	1 1/2"	180
Yonos MAXO 25/0.5-12	10	1	1 1/2"	180
Yonos PICO 25/1-4	10	1	1 1/2"	180
Yonos PICO 25/1-4-130	10	1	1 1/2"	130
Yonos PICO 25/1-6	10	1	1 1/2"	180
Yonos PICO 25/1-6-130	10	1	1 1/2"	130

2" (Rp1 1/4")

D 30	10	3/1	2"	190
E 30/1-5		1	2"	180
H 30-1	10	3/1	2"	220
H 30-1 (250)	10	3/1	2"	250
H 30-2	10	3/1	2"	220
H 30-2 (250)	10	3/1	2"	250
RP 30	10	3/1	2"	180
RP 30 (220)	10	3/1	2"	220
RP 30/80 v (r)	10	3/1	2"	180
RP 30/100 v (r)	10	3/1	2"	180
RP 30-1	10	3/1	2"	180
RS 30 (v)	10	1	2"	180
RS 30-1 (v)	10	1	2"	180
RS 30-2	10	3	2"	180
RS 30/50 v (r)	10	1	2"	180
RS 30/60 v (r)	10	1	2"	180
RS 30/70 v (r)	10	1	2"	180
RS 30/80 v (r)	10	3/1	2"	180

Biral												
hocheffizient / high-efficiency / alta efficienza												
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.					
AX 10-1	10	1	1 1/2"	180	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-3	10	1	1 1/2"	130	-							
AX 13-1	10	1	1 1/2"	180	-							
AX 13-3	10	1	1 1/2"	130	-							
A 12-1	10	1	1 1/2"	180	-							
A 14-1	10	1	1 1/2"	180	-							
A 15-1	10	1	1 1/2"	180	-							
A 16-1	10	1	1 1/2"	180	-							
ModulA 32F-12 220 RED	6/16	1	32	220	Q							
AX 12-1	10	1	1 1/2"	180	-							
A 12-1	10	1	1 1/2"	180	-							
AX 12-3	10	1	1 1/2"	130	-							
AX 13-1	10	1	1 1/2"	180	-							
A 13-1	10	1	1 1/2"	180	-							
AX 13-3	10	1	1 1/2"	130	-							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-3	10	1	1 1/2"	130	-							
AX 13-1	10	1	1 1/2"	180	-							
AX 13-3	10	1	1 1/2"	130	-							
A 15-1	10	1	1 1/2"	180	-							
A 16-1	10	1	1 1/2"	180	-							
A 14-1	10	1	1 1/2"	180	-		9					
AX 13-1	10	1	1 1/2"	180	-							
A 15-1	10	1	1 1/2"	180	-		9					
A 15-1	10	1	1 1/2"	180	-							
A 16-1	10	1	1 1/2"	180	-		9					
A 16-1	10	1	1 1/2"	180	-							
A 16-1	10	1	1 1/2"	180	c		9					
A 15-1	10	1	1 1/2"	180	-							
A 16-1	10	1	1 1/2"	180	-							
ModulA 32F-12 220 RED	6/16	1	32	220	Q							
AX 12-1	10	1	1 1/2"	180	-							
AX 12-3	10	1	1 1/2"	130	-							
AX 13-1	10	1	1 1/2"	180	-							
AX 13-3	10	1	1 1/2"	130	-							

A 12-2	10	1	2"	180	13	pp1	9,12
AX 13-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	17		9
A 16-2	10	1	2"	180	2x16		9
A 15-2	10	1	2"	180	17		9
A 15-2	10	1	2"	180	2x16		9
A 13-2	10	1	2"	180	-	pp1	9
A 13-2	10	1	2"	180	17	pp1	9
A 12-2	10	1	2"	180	-		9
A 13-2	10	1	2"	180	-		9
A 13-2	10	1	2"	180	-	pp1	9
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		9
AX 12-2	10	1	2"	180	-		
AX 12-2	10	1	2"	180	-		
AX 13-2	10	1	2"	180	-		
A 16-2	10	1	2"	180	-		9

Wilo				
Typ	PN	3/1	G/DN	L
RS 30/100 v (r)	10	3/1	2"	180
S 30	6	3/1	2"	220
S 30-1	10	3/1	2"	180
S 30-2	10	3	2"	220
S 30/100	10	3/1	2"	220
Smart 30/4	10	1	2"	180
Smart 30/6	10	1	2"	180
Star-E 30/1-3	10	1	2"	180
Star-E 30/1-5	10	1	2"	180
Star-E 30/1-5 IS	10	1	2"	180
Star-E 30/1-5 ISSM	10	1	2"	180
Star-EP 30/1-5	10	1	2"	180
Star-EP 30/1-5 SSM	10	1	2"	180
Star-RS 30/2	10	1	2"	180
Star-RS 30/4	10	1	2"	180
Star-RS 30/6	10	1	2"	180
Stratos 30/1-4	10	1	2"	180
Stratos 30/1-6	10	1	2"	180
Stratos 30/1-8	10	1	2"	180
Stratos 30/1-10	10	1	2"	180
Stratos 30/1-12	10	1	2"	180
Stratos ECO 30/1-3	10	1	2"	180
Stratos ECO 30/1-5	10	1	2"	180
Stratos ECO 30/1-5 BMS	10	1	2"	180
Stratos PICO 30/1-4	10	1	2"	180
Stratos PICO 30/1-6	10	1	2"	180
TOP-D 30	10	3/1	2"	180
TOP-E 30/1-7	10	1	2"	180
TOP-E 30/1-10	10	1	2"	180
TOP-EV 30/1-7	10	1	2"	280
TOP-RS 30/7	10	3	2"	180
TOP-RS 30/7	10	1	2"	180
TOP-RS 30/10	10	3/1	2"	180
TOP-S 30/4	10	1	2"	180
TOP-S 30/5	10	3	2"	180
TOP-S 30/5	10	1	2"	180
TOP-S 30/7	10	3	2"	180
TOP-S 30/7	10	1	2"	180
TOP-S 30/10	10	3/1	2"	180
TOP-SV 30/7	10	3/1	2"	280
Yonos MAXO 30/0.5-7	10	1	2"	180
Yonos MAXO 30/0.5-10	10	1	2"	180
Yonos MAXO 30/0.5-12	10	1	2"	180
Yonos PICO 30/1-4	10	1	2"	180
Yonos PICO 30/1-6	10	1	2"	180

DN32

Stratos 32/1-10	10	1	32	220
Stratos 32/1-12	10	1	32	220

DN 40

D 40	6/10	3/1	40	220
E 40/1-5	6/10	1	40	220
P 40-1	6/10	3/1	40	250
P 40-2	6/10	3/1	40	250
P 40/90	6/10	3	40	250
P 40/100 v (r)	6	3/1	40	250

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
A 15-2	10	1	2"	180	-		9				
AX 13-2	10	1	2"	180	17		9				
AX 13-2	10	1	2"	180	-		9				
A 12-2	10	1	2"	180	17	pp1	9				
A 16-2	10	1	2"	180	17		9				
AX 12-2	10	1	2"	180	-						
AX 13-2	10	1	2"	180	-						
AX 12-2	10	1	2"	180	-						
AX 13-2	10	1	2"	180	-						
AX 13-2	10	1	2"	180	-						
A 13-2	10	1	2"	180	-		3				
AX 13-2	10	1	2"	180	-						
AX 13-2	10	1	2"	180	-						
AX 12-2	10	1	2"	180	-						
AX 12-2	10	1	2"	180	-						
AX 13-2	10	1	2"	180	-						
A 12-2	10	1	2"	180	-						
A 14-2	10	1	2"	180	-						
A 15-2	10	1	2"	180	-						
A 16-2	10	1	2"	180	-						
ModulA 32F-12 220 RED	6/16	1	32	220	Q						
AX 12-2	10	1	2"	180	-						
AX 13-2	10	1	2"	180	-						
A 13-2	10	1	2"	180	-						
AX 12-2	10	1	2"	180	-						
AX 13-2	10	1	2"	180	-						
A 14-2	10	1	2"	180	-		9				
A 15-2	10	1	2"	180	-						
A 16-2	10	1	2"	180	-						
A 14-2	10	1	2"	180	c		4				
A 16-2	10	1	2"	180	-		9				
A 14-2	10	1	2"	180	-						
A 16-2	10	1	2"	180	-		9,12				
A 15-2	10	1	2"	180	-						
A 14-2	10	1	2"	180	-		9				
A 14-2	10	1	2"	180	-						
A 15-2	10	1	2"	180	-		9				
A 15-2	10	1	2"	180	-						
A 16-2	10	1	2"	180	-		9				
A 15-2	10	1	2"	180	c		4,9				
A 15-2	10	1	2"	180	-						
A 16-2	10	1	2"	180	-						
ModulA 32F-12 220 RED	6/16	1	32	220	Q						
AX 12-2	10	1	2"	180	-						
AX 13-2	10	1	2"	180	-						

A 16-2	10	1	2"	180	25		
ModulA 32F-12 220 RED	6/16	1	32	220	-		

A 401	6/10	1	40	220	-	cs2	9,12
A 401	6/10	1	40	220	-		
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9
A 401-1	6/10	1	40	250	-	cs2	9

Wilo				
Typ	PN	3/1	G/DN	L
P 40/140	6/10	3	40	320
P 40/160 (r)	6	3	40	320
P 40/160 v	6	3	40	320
RS 40	6/10	3/1	40	220
S 40/80 v (r)	6/10	3/1	40	220
S 40/90 (v) (r)	6/10	3/1	40	250
Star-E 40/1-5	6/10	1	40	220
Stratos 40/1-4	6/10	1	40	220
Stratos 40/1-8	6/10	1	40	220
Stratos 40/1-10	6/10	1	40	220
Stratos 40/1-12	6/10	1	40	250
Stratos 40/1-16	6/10	1	40	250
TOP-D 40	6/10	3	40	220
TOP-E 40/1-4	6/10	1	40	220
TOP-E 40/1-10	6/10	1	40	250
TOP-EV 40/1-4	6/10	1	40	250
TOP-S 40/4	6/10	3/1	40	220
TOP-S 40/7	6/10	3/1	40	250
TOP-S 40/10	6/10	3	40	250
TOP-SV 40/4	6/10	3/1	40	250
Yonos MAXO 40/0.5-4	6/10	1	40	220
Yonos MAXO 40/0.5-8	6/10	1	40	220
Yonos MAXO 40/0.5-12	6/10	1	40	250

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
A 401-1	6/10	1	40	250	34+35	cs2	9				
A 401-1	6/10	1	40	250	34+35		9,12				
A 401	6/10	1	40	220	2x36		9				
A 401	6/10	1	40	220	-	cs2	9				
A 401	6/10	1	40	220	-	cs2	9				
ModulA 40-12 250 RED	6/16	1	40	250	-		9				
A 401	6/10	1	40	220	-						
A 401	6/10	1	40	220	-						
ModulA 40-10 220 RED	6/16	1	40	220	-						
A 401	6/10	1	40	220	-						
ModulA 40-12 250 RED	6/16	1	40	250	-						
ModulA 40-18 250 RED	6/16	1	40	250	-						
A 401	6/10	1	40	220	-						
A 401	6/10	1	40	220	-						
ModulA 40-12 250 RED	6/16	1	40	250	-						
A 401-1	6/10	1	40	250	-		4				
A 401	6/10	1	40	220	-		9				
ModulA 40-12 250 RED	6/16	1	40	250	-		9				
ModulA 40-12 250 RED	6/16	1	40	250	-		9				
A 401-1	6/10	1	40	250	-	cs2	4,9				
A 401	6/10	1	40	220	-						
ModulA 40-10 220 RED	6/16	1	40	220	-						
ModulA 40-12 250 RED	6/16	1	40	250	-						

DN 50							
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.
D 50	6/10	3/1	50	240			
E 50/1-7	6/10	1	50	240			
H 50-2	6/10	3	50	280			
P 50-1	6/10	3	50	280			
P 50-2	6/10	3	50	280			
P 50/125	6/10	3	50	280			
P 50/125 r	6/10	3	50	280			
P 50/125 v	6/10	3	50	280			
P 50/140	6/10	3	50	340			
P 50/160	6/10	3	50	340			
P 50/160 r	6/10	3	50	340			
P 50/160 v	6/10	3	50	340			
P 50/200	10	3	50	460			
P 50/224	10	3	50	460			
P 50/250	6/10	3	50	460			
P 50/250 r	10	3	50	440			
P 50/250 v	6/10	3/1	50	440			
RS 50	6/10	3/1	50	240			
S 50/80 r	6/10	3	50	240			
S 50/80 v	6/10	3	50	240			
S 50/100	6/10	3	50	280			
S 50/100 r	6/10	3	50	280			
S 50/100 v	6/10	3	50	280			
Star-E 50/1-7	6/10	1	50	240			
Stratos 50/1-6	6/10	1	50	240			
Stratos 50/1-8	6/10	1	50	240			
Stratos 50/1-9	6/10	1	50	280			
Stratos 50/1-10	6/10	1	50	240			
Stratos 50/1-12	6/10	1	50	280			
Stratos 50/1-16	6/10	1	50	340			
TOP-D 50	6/10	1	50	240			
A 500	6/10	1	50	220	47	cs1	9,12
ModulA 50-6 240 RED	6/16	1	50	240	-		
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x47		9
ModulA 50-6 240 RED	6/16	1	50	240	2x43		9
ModulA 50-6 240 RED	6/16	1	50	240	2x43		9
ModulA 50-6 240 RED	6/16	1	50	240	2x43		9,12
ModulA 50-6 240 RED	6/16	1	50	240	2x43		9
ModulA 50-12 270 RED	6/16	1	50	270	c		9
ModulA 50-12 270 RED	6/16	1	50	270	c		9
ModulA 50-18 270 RED	6/16	1	50	270	c		9
ModulA 50-18 270 RED	6/16	1	50	270	c		9
ModulA 50-18 270 RED	6/16	1	50	270	c		9
ModulA 50-6 240 RED	6/16	1	50	240	-		9
ModulA 50-12 270 RED	6/16	1	50	270	Q		9
ModulA 50-6 240 RED	6/16	1	50	240	-		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 50-12 270 RED	6/16	1	50	270	41		9
ModulA 40-10 220 RED	6/16	1	40	220	33		8
ModulA 50-6 240 RED	6/16	1	50	240	-		
ModulA 40-10 220 RED	6/16	1	40	220	33		8
ModulA 50-12 270 RED	6/16	1	50	270	41		
A 500	6/10	1	50	220	47		
ModulA 50-12 270 RED	6/16	1	50	270	41		
ModulA 50-18 270 RED	6/16	1	50	270	43+47		12
A 500	6/10	1	50	220	47		

Wilo				
Typ	PN	3/1	G/DN	L
TOP-E 50/1-6	6/10	1	50	240
TOP-E 50/1-7	6/10	1	50	280
TOP-E 50/1-10	6/10	1	50	280
TOP-EV 50/1-6	6/10	1	50	280
TOP-S 50/4	6/10	3/1	50	240
TOP-S 50/7	6/10	3	50	280
TOP-S 50/10	6/10	3	50	280
TOP-SV 50/6	6/10	3/1	50	280
Yonos MAXO 50/0.5-8	6/10	1	50	220
Yonos MAXO 50/0.5-9	6/10	1	50	280
Yonos MAXO 50/0.5-12	6/10	1	50	280

DN 65

D 65	6/10	3/1	65	250
P 65-1	6/10	3/1	65	340
P 65-2	6/10	3/1	65	340
P 65/80 r		3	65	280
P 65/110		3	65	340
P 65/125		3	65	340
P 65/125 r	6	3	65	340
P 65/125 v	6	3	65	340
P 65/140	6/10	3	65	340
P 65/160		3	65	340
P 65/160 r	6	3	65	340
P 65/160 v		3	65	340
P 65/200	10	3	65	500
P 65/224		3	65	500
P 65/250		3	65	500
P 65/250 r	10	3	65	475
P 65/250 v	10	3	65	500
RS 65	6/10	3/1	65	280
S 65/80 r	6/10	3	65	280
S 65/80 v	6/10	3	65	280
S 65/110	6/10	3	65	340
S 65/125		3	65	340
S 65/125 r	6/10	3	65	340
S 65/125 v	6/10	3	65	340
Stratos 65/1-6	6/10	1	65	280
Stratos 65/1-9	6/10	1	65	280
Stratos 65/1-12	6/10	1	65	340
Stratos 65/1-16	6/10	1	65	340
TOP-D 65	6/10	1	65	280
TOP-E 65/1-10	6/10	1	65	340
TOP-EV 65/1-10	6/10	1	65	400
TOP-S 65/7	6/10	3	65	280
TOP-S 65/10	6/10	3	65	340
TOP-S 65/13	6/10	3	65	340
TOP-SV 65/10	6/10	3	65	400
Yonos MAXO 65/0.5-9	6/10	1	65	280

DN 80

D 80	6/10	3/1	80	330
H 80-1	6/10	3	80	360
H 80-2	6/10	3	80	360
P 80-1	6/10	3	80	360
P 80-2	6/10	3	80	360
P 80/110		3	80	360

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA 50-6 240 RED	6/16	1	50	240	-						
ModulA 50-12 270 RED	6/16	1	50	270	41						
ModulA 50-12 270 RED	6/16	1	50	270	41						
ModulA 50-6 240 RED	6/16	1	50	240	2x47		4				
ModulA 50-6 240 RED	6/16	1	50	240	-		9				
ModulA 50-12 270 RED	6/16	1	50	270	41		9				
ModulA 50-12 270 RED	6/16	1	50	270	41		9				
ModulA 50-6 240 RED	6/16	1	50	240	2x47		4,9				
ModulA 40-10 220 RED	6/16	1	40	220	-		8				
ModulA 50-12 270 RED	6/16	1	50	270	41						
ModulA 50-12 270 RED	6/16	1	50	270	41						

ModulA 65-8 270 RED	6/16	1	65	270	Q		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 270 RED	6/16	1	65	270	56		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-8 340 RED	6/16	1	65	340	-	cs2	9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
ModulA 65-15 340 RED	6/16	1	65	340	c		10
ModulA 65-15 340 RED	6/16	1	65	340	c		9
ModulA 65-15 340 RED	6/16	1	65	340	c		9
ModulA 65-15 340 RED	6/16	1	65	340	c		9,11
ModulA 65-15 340 RED	6/16	1	65	340	c		9
ModulA 65-8 270 RED	6/16	1	65	270	56		9
ModulA 65-8 270 RED	6/16	1	65	270	56		9
ModulA 65-8 270 RED	6/16	1	65	270	56		9
ModulA 65-8 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
ModulA 65-12 340 RED	6/16	1	65	340	-	cs2	9
ModulA 65-8 270 RED	6/16	1	65	270	56		
ModulA 50-12 270 RED	6/16	1	50	270	41		8
ModulA 65-12 340 RED	6/16	1	65	340	-		
ModulA 65-15 340 RED	6/16	1	65	340	-		
ModulA 65-8 270 RED	6/16	1	65	270	56		
ModulA 65-12 340 RED	6/16	1	65	340	-		
ModulA 65-12 340 RED	6/16	1	65	340	2x50		4
ModulA 65-8 270 RED	6/16	1	65	270	56	cs2	9
ModulA 65-12 340 RED	6/16	1	65	340	-		9
ModulA 65-12 340 RED	6/16	1	65	340	-		9,12
ModulA 65-12 340 RED	6/16	1	65	340	2x50		4,9
ModulA 50-12 270 RED	6/16	1	50	270	41		

ModulA 80-8 360 RED	6/16	1	80	360	Q		9,11
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11

Wilo				
Typ	PN	3/1	G/DN	L
P 80/125	6	3	80	360
P 80/125 r	6	3	80	360
P 80/125 v	6	3	80	360
P 80/160	6	3	80	360
P 80/160 r	6	3	80	360
P 80/160 v	6	3	80	360
P 80/200	10	3	80	500
P 80/224	10	3	80	500
P 80/250	10	3	80	500
P 80/250 r	10	3	80	500
P 80/250 v	10	3	80	500
S 80	6/10	3	80	360
S 80/100 v	6/10	3	80	360
S 80/125	6/10	3	80	360
S 80/125 r	6/10	3	80	360
S 80/125 v	6/10	3	80	360
Stratos 80/1-6	6/10	1	80	360
Stratos 80/1-12	6/10	1	80	360
TOP-D 80	6	1	80	330
TOP-E 80/1-10		1	80	360
TOP-S 80/7		3	80	360
TOP-S 80/10		3	80	360

Biral											
hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-8 360 RED	6/16	1	80	360	c		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	c		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	c		9				
ModulA 80-12 360 RED	6/16	1	80	360	c		9				
ModulA 80-12 360 RED	6/16	1	80	360	c		9				
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-8 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	-		11,12				
ModulA 80-12 360 RED	6/16	1	80	360	-		11				
ModulA 80-8 360 RED	6/16	1	80	360	Q		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	-		11				
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA 80-12 360 RED	6/16	1	80	360	-		9,11				

DN 100

D 100	6/10	3/1	100	380
P 100-1	6/10	3/1	100	395
P 100-2	6	3	100	395
P 100/160	6	3	100	395
P 100/160 r	6	3	100	395
P 100/160 v	6	3	100	395
P 100/180	6/10	3	100	500
P 100/200	10	3	100	500
P 100/200 r	10	3	100	550
P 100/200 v	10	3	100	500
S 100/125 r	6	3	100	395
S 100/125 v	6	3	100	395
Stratos 100/1-6	6/10	1	100	360
Stratos 100/1-12	6/10	1	100	360
TOP-D 100		3/1	100	380
TOP-E 100/1-10	6	1	100	360
TOP-S 100/10	6	3	100	360

ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	66		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	66		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	2x66		11,13				
ModulA 100-12 450 RED	6/16	1	100	450	66		11,13				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				

DN 125

D 125	6/10	3/1	125	450
TOP-D 125	6/10	3	125	450

ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				
ModulA 100-12 450 RED	6/16	1	100	450	Q		9,11				

Wilo				
Typ	PN	3/1	G/DN	L

2" (Rp1 1/4")				
DORS 30/60 R	10	1	2"	180
DORS 30/70 R	10	1	2"	180
Star RSD 30/4	10	1	2"	180
Star RSD 30/6	10	1	2"	180
TOP-SD 30/5	10	3/1	2"	180

DN 32

DOP 32/80 v	6/10	3	32	220
DOP 32/80 r	6/10	3	32	220
DOS 32/80 v	6/10	3	32	220
Stratos-D 32/1-8	6/10	1	32	220
Stratos-D 32/1-12	6/10	1	32	220
TOP-ED 32/1-7	6/10	1	32	220
TOP-SD 32/7	6/10	3/1	32	220
TOP-SD 32/10	6/10	3/1	32	220

DN 40

DOP 40/100 r	6/10	3	40	250
DOP 40/100 v	6/10	3	40	250
DOP 40/160 r	6/10	3	40	320
DOS 40/90 v	6/10	3	40	250
Stratos-D 40/1-8	6/10	1	40	220
Stratos-D 40/1-12	6/10	1	40	250
TOP-ED 40/1-7	6/10	1	40	250
TOP-ED 40/1-10	6/10	1	40	250
TOP-SD 40/7	6/10	3/1	40	250
TOP-SD 40/10	6/10	3	40	250

DN 50

DOP 50/100 r	6/10	3	50	280
DOP 50/100 v	6/10	3	50	280
DOP 50/160 r	6/10	3	50	340
DOS 50/100 v	6/10	3	50	280
Stratos-D 50/1-8	6/10	1	50	240
Stratos-D 50/1-9	6/10	1	50	280
Stratos-D 50/1-12	6/10	1	50	280
TOP-ED 50/1-6	6/10	1	50	280
TOP-ED 50/1-7	6/10	1	50	280
TOP-ED 50/1-10	6/10	1	50	280
TOP-SD 50/7	6/10	3	50	280
TOP-SD 50/10	6/10	3	50	280
TOP-SD 50/15	6/10	3	50	280

DN 65

DOP 65/125 r	6/10	3	65	340
DOP 65/125 v	6/10	3	65	340
DOP 65/160 r	6/10	3	65	340
DOS 65/125 r	6/10	3	65	340
DOS 65/125 v	6/10	3	65	340
Stratos-D 65/1-12	6/10	1	65	340
TOP-ED 65/1-10	6/10	1	65	340
TOP-SD 65/10	6/10	3	65	340
TOP-SD 65/13	6/10	3	65	340

DN 80

DOP 80/125 r	6/10	3	80	360
DOP 80/125 v	6/10	3	80	360
DOP 80/160 r	6/10	3	80	360
DOS 80/125 v	6/10	3	80	360

Biral										
hocheffizient / high-efficiency / alta efficienza										
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.			

AD 401	6/10	1	40	220	Q	cs2				
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AD 401	6/10	1	40	220	Q		9			
ModulA-D 40-12 250 RED	6/16	1	40	250	Q					
ModulA-D 40-12 250 RED	6/16	1	40	250	Q					
AD 401	6/10	1	40	220	Q		9			
AD 401	6/10	1	40	220	Q		9			

AD 401	6/10	1	40	220	34		9			
AD 401	6/10	1	40	220	34		9			
ModulA-D 50-6 240 RED	6/16	1	50	240	c		9			
ModulA-D 50-6 240 RED	6/16	1	50	240	c		9			
ModulA-D 40-12 250 RED	6/16	1	40	250	Q					
ModulA-D 40-12 250 RED	6/16	1	40	250	-					
ModulA-D 40-12 250 RED	6/16	1	40	250	-					
ModulA-D 40-12 250 RED	6/16	1	40	250	-		9			
ModulA-D 40-12 250 RED	6/16	1	40	250	-		9			

ModulA-D 50-6 240 RED	6/16	1	50	240	2x47		9			
ModulA-D 65-8 340 RED	6/16	1	65	340	Q		9			
ModulA-D 50-6 240 RED	6/16	1	50	240	2x43		9			
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9			
ModulA-D 50-6 240 RED	6/16	1	50	240	-					
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47					
ModulA-D 50-12 270 RED	6/16	1	50	270	41					
ModulA-D 50-6 240 RED	6/16	1	50	240	2x47					
ModulA-D 50-12 270 RED	6/16	1	50	270	41					
ModulA-D 50-12 270 RED	6/16	1	50	270	41					
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9			
ModulA-D 50-12 270 RED	6/16	1	50	270	41		9			
ModulA-D 50-18 270 RED	6/16	1	50	270	41		9			

ModulA-D 65-8 340 RED	6/16	1	65	340	-		9			
ModulA-D 65-8 340 RED	6/16	1	65	340	-		9			
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9			
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9			
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9			
ModulA-D 65-12 340 RED	6/16	1	65	340	-					
ModulA-D 65-8 340 RED	6/16	1	65	340	-					
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9			
ModulA-D 65-12 340 RED	6/16	1	65	340	-		9			

ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11			
ModulA-D 80-8 360 RED	6/16	1	80	360	-		9,11			
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11			
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11			

Wilo →				
Typ	PN	3/1	G/DN	L
DOS 80/125 r	6/10	3	80	360
Stratos-D 80/1-12	6/10	1	80	360
TOP-ED 80/1-10	6/10	1	80	360
TOP-SD 80/10	6/10	3	80	360

DN 100

DOP 100/160 r	6/10	3	100	395
DOS 100/125 r	6/10	3	100	395

Biral hocheffizient / high-efficiency / alta efficienza											
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.				
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11				
ModulA-D 80-12 360 RED	6/16	1	80	360	-		11				
ModulA-D 80-12 360 RED	6/16	1	80	360	-		11				
ModulA-D 80-12 360 RED	6/16	1	80	360	-		9,11				

ModulA-D 100-12 450 RED	6/16	1	100	450	Q		9,11
ModulA-D 100-12 450 RED	6/16	1	100	450	Q		9,11

Wilo			
Typ	PN	3/1	L

Biral									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral							
Typ	PN	3/1	G/DN	L	Z	Bem.	

Vergleich aktuelle Biral Pumpen / Comparison of current pumps Biral / Comparazione delle pompe attuali

ungeregelt/unregulated/senza regolazione	hocheffizient / high-efficiency / alta efficienza										selbstlernend / self-taught / autoapprendimento							
WX 10	10	1	120	AXW 10	10	1	1 1/4"	120	-			AXW 10 smart	10	1	1 1/4"	120	-	
WX 12	10	1	120	AXW 12	10	1	1 1/4"	120	-	cs2		AXW 12 smart	10	1	1 1/4"	120	-	
WX 13	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs2		AXW 13 smart	10	1	1 1/4"	150	-	
WX 14	10	1	150	AXW 13	10	1	1 1/4"	150	-	cs3		AXW 14 smart	10	1	1 1/4"	150	-	

Wilo			
Typ	PN	3/1	L

Biral hocheffizient / high-efficiency / alta efficienza									
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.		

Biral ungeregelt / unregulated / senza regolazione							
Typ	PN	3/1	G/DN	L	Z	Bem.	

R 1/2"																		
Star-Z 15	10	1	84	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
Star-Z 15 A	10	1	138	AXW 10	10	1	1 1/4"	120	c			WX 10	10	1	1 1/4"	120	c	
Star-Z 15 A Press	10	1	138	AXW 10	10	1	1 1/4"	120	c			WX 10	10	1	1 1/4"	120	c	
Star-Z 15 C Press	10	1	138	AXW 10	10	1	1 1/4"	120	c			WX 10	10	1	1 1/4"	120	c	
Star-Z 15 TT Press	10	1	138	AXW 10	10	1	1 1/4"	120	c			WX 10	10	1	1 1/4"	120	c	
Z 15	10	1	84	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	

1" (Rp 1/2)																		
Star-Z 20/1	10	1	140	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
Z 20	10	1	140	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
Z 20-40	10	1	140	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	

1 1/4" (RP 3/4")																		
TOP-Z 20/4	10	1	140	AXW 10	10	1	1 1/4"	120	Q			WX 10	10	1	1 1/4"	120	Q	
ZP 20-1	10	3	140	AXW 12	10	1	1 1/4"	120	Q	cs2	9	WX 12	10	1	1 1/4"	120	Q	
ZP 20-2	10	3	140	AXW 10	10	1	1 1/4"	120	Q		9	WX 10	10	1	1 1/4"	120	Q	
ZS 20-1	10	3	140															
ZS 20-2	10	3	140															

1 1/2" (Rp 1")																		
Star-Z 25/2	10	1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
Star-Z 25/2	10	3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
Star-Z 25/6	10	1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 14	10	1	1 1/4"	150	83	
Star-ZE 25/1-5	10	1	180	AXW 13-1	10	1	1 1/2"	180	-									
Star-ZE 25/1-5 SSM	10	1	180	AXW 13-1	10	1	1 1/2"	180	-									
Stratos ECO-Z 25/1-5	10	1	180	AXW 13-1	10	1	1 1/2"	180	-									
Stratos-Z 25/1-8	10	1	180	AW 15-2	10	1	2"	180	Q									
TOP-Z 25/6	10	3/1	180															
TOP-Z 25/10	10	3/1	180															
TOP-ZV 25/7	10	3/1	180															
Z 25	10	1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2		WX 13	10	1	1 1/4"	150	83	
Z 25	10	3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
Z 25/2 DM	10	3	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
Z 25/2 EM	10	1	180	AXW 12-1	10	1	1 1/2"	180	-	cs2		WX 12	10	1	1 1/4"	120	c	
Z 25/6	10	1	180	AW 15-2	10	1	2"	180	Q									
Z 25/6	10	3	180	AW 15-2	10	1	2"	180	Q		9	W 315	10	3	2"	180	Q	
ZE 25/1-5	10	1	180															
ZP 25	10	3/1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
ZP 25-1	10	3/1	180	AXW 13-1	10	1	1 1/2"	180	-	cs2	9	W 313	10	3	1 1/4"	150	83	
ZP 25-2	10	3/1	180	AXW 12-1	10	1	1 1/2"	180	-	cs1	9	WX 10	10	1	1 1/4"	120	c	
ZS 25	10	3/1	180															

2" (Rp1 1/4")																		
Stratos-Z 30/1-8		1	180	AW 15-2	10	1	2"	180	-									
Stratos-Z 30/1-12		1	180	AW 16-2	10	1	2"	180	-									
TOP-Z 30		1	180	AXW 13	10	1	1 1/4"	150	84	cs3		WX 14	10	1	1 1/4"	150	84	
TOP-Z 30		3	180	AXW 13	10	1	1 1/4"	150	84	cs3	9	W 314	10	3	1 1/4"	150	84	
TOP-Z 30/7		3/1	180	AW 15-2	10	1	2"	180	-		9	W 315	10	3	2"	180	-	

Wilo →			
Typ	PN	3/1	L
TOP-ZV 30/7		3/1	180
Z 30		3	180
ZH 30		3	250
ZP 30		3	220
ZS 30		3	220

Biral										
Typ	PN	3/1	G/DN	L	Z	Stufe	Bem.			
AW 15-2	10	1	2"	180	-		9			
AW 15-2	10	1	2"	180	17		9			
AW 15-2	10	1	2"	180	17		9			

Biral							
Typ	PN	3/1	G/DN	L	Z	Bem.	
W 315	10	3	2"	180	-		
W 315	10	3	2"	180	17		
W 315	10	3	2"	180	17		

DN 40

Stratos-Z 40/1-8		1	220
TOP-Z 40		3/1	250
TOP-Z 40/7		3/1	250
TOP-ZV 40/4		3/1	250
Z 40		3	250
Z 40 r		3	250
Z 40 v		3	250
ZP 40		3	250

ModulA 40-12 250 BLUE	6/16	1	40	250	Q					
AW 401-1	6/10	1	40	250	-		9			
AW 401-1	6/10	1	40	250	-		9			
AW 401-1	6/10	1	40	250	-		9			
AW 401-1	6/10	1	40	250	-		9			
AW 401-1	6/10	1	40	250	-		9			
AW 401-1	6/10	1	40	250	-		9			

W 403	6/16	3/1	40	250	Q		
W 402	6/16	3/1	40	250	-	1	
W 402	6/16	3/1	40	250	-	1	
W 402	6/16	3/1	40	250	-		
W 402	6/16	3/1	40	250	-		
W 402	6/16	3/1	40	250	-		
W 401	6/16	3/1	40	250	-		

DN 50

Stratos-Z 50/1-9		1	280
Z 50 r		3	280
Z 50 v		3	280
ZH 50		3	280
ZP 50		3	280
ZS 50		3	280
TOP-Z 50		3	280
TOP-ZV 50/6		3	280

ModulA 40-12 250 BLUE	6/16	1	40	250	34		9			
ModulA 40-12 250 BLUE	6/16	1	40	250	34		9			
AW 401-1	6/10	1	40	250	34		9			

W 403	6/16	3/1	40	250	34		
W 403	6/16	3/1	40	250	34		
W 401	6/16	3/1	40	250	34		

DN 65

Stratos-Z 65/1-12		1	280
TOP-Z 65		3	340
TOP-Z 65/10		3	340
TOP-ZV 65/10		3	400
Z 65 r		3	340
Z 65 v		3	340
ZH 65		3	340
ZP 65		3	340
ZS 65		3	340

DN 80

TOP-Z 80		3	360
TOP-Z 80/10		3	360
Z 80 r		3	360
Z 80 v		3	360
ZH 80		3	360
ZP 80		3	360
ZS 80		3	360

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