

## Ranges and Models

### Motor selection

#### Motor speed:

For the standard hydraulic ranges, the motors are designed with the following speeds:

- 2900 rpm = 2-pole
- 1450 rpm = 4-pole
- 960 rpm = 6-pole

#### Voltages:

All specified data relate to an operating voltage of 400 V/3 Ph, 50 Hz. Different voltages are available on request.

#### Type of starting:

The motors are supplied as standard:

- up to 3,5 kW (P2) for DOL starting
- above 3,5 kW (P2) for star-delta-starting

On request all motors are available for operating with frequency converter or soft starter device.

#### Explosion protection:

In addition to the standard version, all motors are available explosion proof according to

Ⓔ II 2 G Ex c d [e] [ib] IIB T4, T3.

#### Dry well variant:

Besides the version for submerged operation, all pumps are also available for dry well or non-submerged operation. Motor cooling is provided by a cooling jacket, using either the pumped liquid or a closed circuit coolant circulation (model U or L).

#### Motor monitoring:

All motors are supplied with temperature sensors in the winding, bi-metallic sensors (standard) or PTC sensors (on request).

- Motors for wet well installation (without cooling jacket): Available as C-version (see pump type code) with oil chamber seal condition monitoring probe and – for motors with cable junction chamber – moisture sensor in junction chamber)
- Motors with cooling jacket: Supplied as standard with oil chamber seal condition monitoring probe. Additional monitoring devices (bearing temperature, stator room moisture) on request.

### Hydraulic selection

#### Discharge and suction flange

- DN 80
- DN 100
- DN 150

Reducing adapters for different auto-coupling system and valve dimensions are available.

#### Impellers:

A range of different impeller designs are available to provide optimum performance and reliability with various liquids and operating conditions

#### Impeller spherical clearance:

The pumps are available with impeller spherical clearances from 80 mm to 100 mm according to pump range.



**MX**

#### Enclosed single channel impeller

For liquids containing impurities and sludge with solid particles or long fibres.



**K**

#### Enclosed multi channel impeller

For liquids containing impurities and sludge with solid particles.



**V(X)**

#### Vortex impeller

For liquids containing a high level of impurities or fibrous matter and containing gas.

### Pump type code:

Pump	2	4	48 -	Motor	(U)	6	4	(C)	(EX)
<b>MX</b>				<b>T</b>					
Impeller design	Discharge size:	Spherical clearance:	Impeller diameter	Motor frame size:	Jacket cooled:	Motor power (coded)	Speed:	only for motors without jacket cooling. With:	Explosion proof motor
MX = Enclosed single channel V(X) = Vortex K = Enclosed two channel	1 = 80 mm 2 = 100 mm 3 = 150 mm	(mm : 25) 3 = 80 mm 4 = 100 mm	(mm : 5) e. g. 48 = 240 mm	C, D, T, P, F, G	Jacket cooled motor for non-submerged installation U= Open circuit pumped liquid cooling L= Closed circuit liquid cooling		2 = 2-pole (2900 rpm) 4 = 4-pole (1450 rpm) 6 = 6-pole (960 rpm)	- oil chamber seal condition monitoring probe - moisture sensor in junction chamber (if exists)	

## Design – Proven Quality in Detail

### More quality in design and materials – less maintenance and failures

Quality can be measured – **IMPELER** submersible waste water pumps are characterized by the robust design, generous dimensioning and high quality materials of all components.

### Materials

Motor housing	Cast iron EN-GJL-250 <sup>1)</sup>
Pump housing	Cast iron EN-GJL-250 <sup>1)</sup>
Impeller	Cast iron EN-GJL-250 <sup>1)</sup> <sup>2)</sup>
Wear rings	Bronze <sup>1)</sup>
Motor shaft	Stainless steel
Mechanical seals	Silicon-carbide / Silicon-carbide
Motor cooling jacket (model U)	Stainless steel
Seals and O-rings	NBR (Perbonane) <sup>3)</sup>
Cable	H07RN-F (PLUS) <sup>4)</sup>

<sup>1)</sup> also available in stainless steel

<sup>2)</sup> also available in bronze

<sup>3)</sup> also available from FPM (vitone)

<sup>4)</sup> screened cable on request

#### ● Discharge

With DIN/ANSI flange DN 80, DN 100 or DN 150 (PN 10)

#### ● Non-clogging, high efficiency impellers

With large spherical clearance.

#### Available:

- Enclosed single channel impeller with replaceable wear ring
- Enclosed multi channel impeller with replaceable wear ring
- Vortex impeller


#### ● Shaft seals

Two independently working silicon-carbide mechanical seals in tandem-arrangement.

#### ● Oil chamber

Separate large oil chamber, lubricating and cooling the mechanical seals, forming an extra safety and inspection element. Additional electronic seal condition monitoring probe on request.

#### ● Motor

Three-phase electric motors, with 2-, 4- or 6-pole motor speed. Insulation class H (180 °C), degree of protection IP 68  
Explosion protection  
All models available with explosion proof motors according to  II 2 G Ex c d [e] [ib] IIB T4, T3

#### ● Motor cooling

Motors for submerged operation are cooled by the surrounding liquid. For dry well or non-submerged operation, motors are available with a cooling jacket, providing a cooling circulation of water from the pump volute (model U). Alternatively, a closed circuit liquid cooling system is available without directly using the pumped liquid for the cooling circuit, providing the heat exchange through a contact surface between heat exchange chamber and pump chamber.

#### ● Thermal sensor (bi-metal)

Embedded in the motor winding. PTC sensors available on request.

#### ● Moisture monitoring in stator chamber

Available on request

#### ● Shaft bearing

Maintenance-free, prelubricated ball bearings.

#### ● Temperature monitoring of the shaft bearings

Available on request.

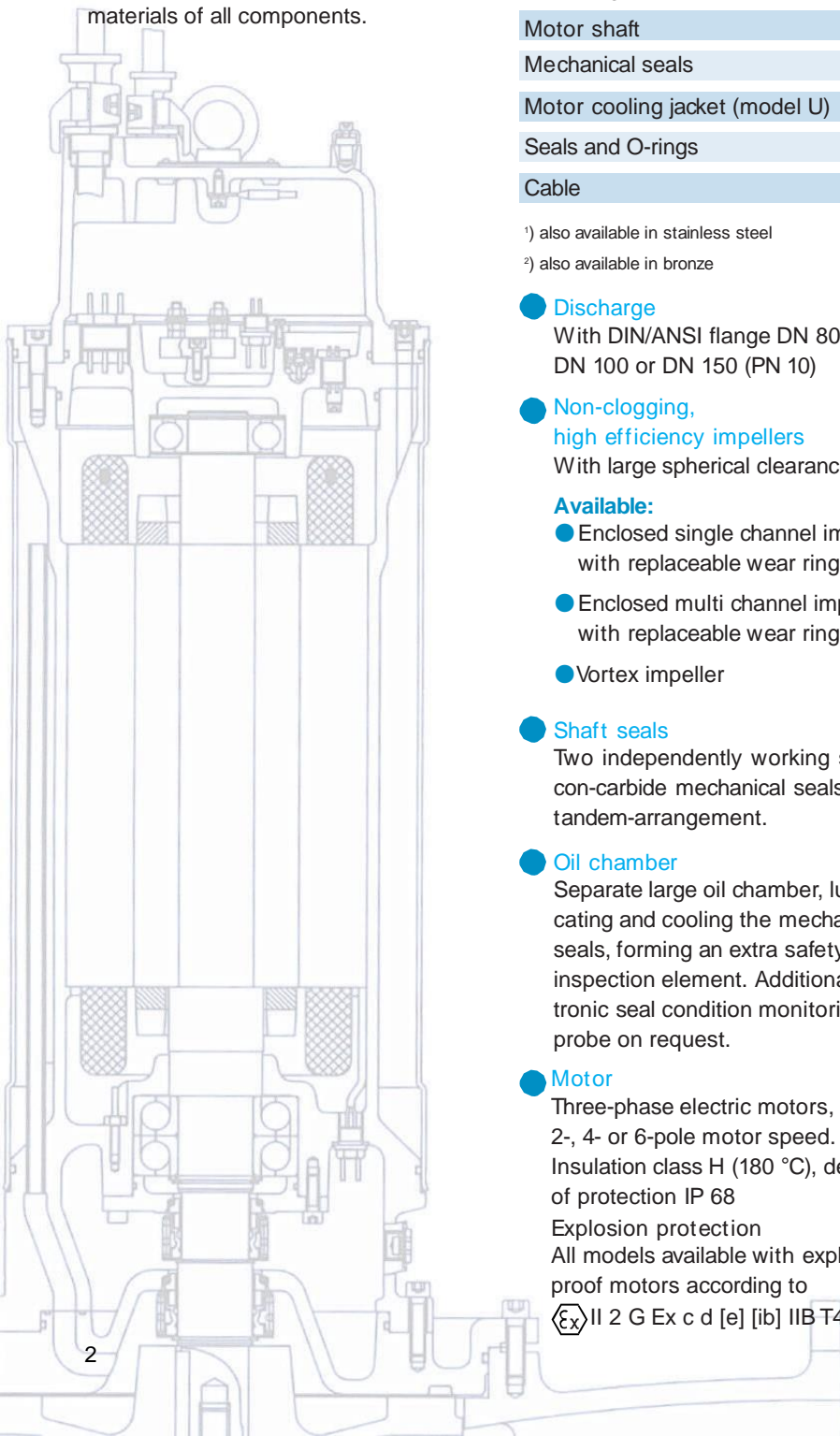
#### ● Cable junction chamber

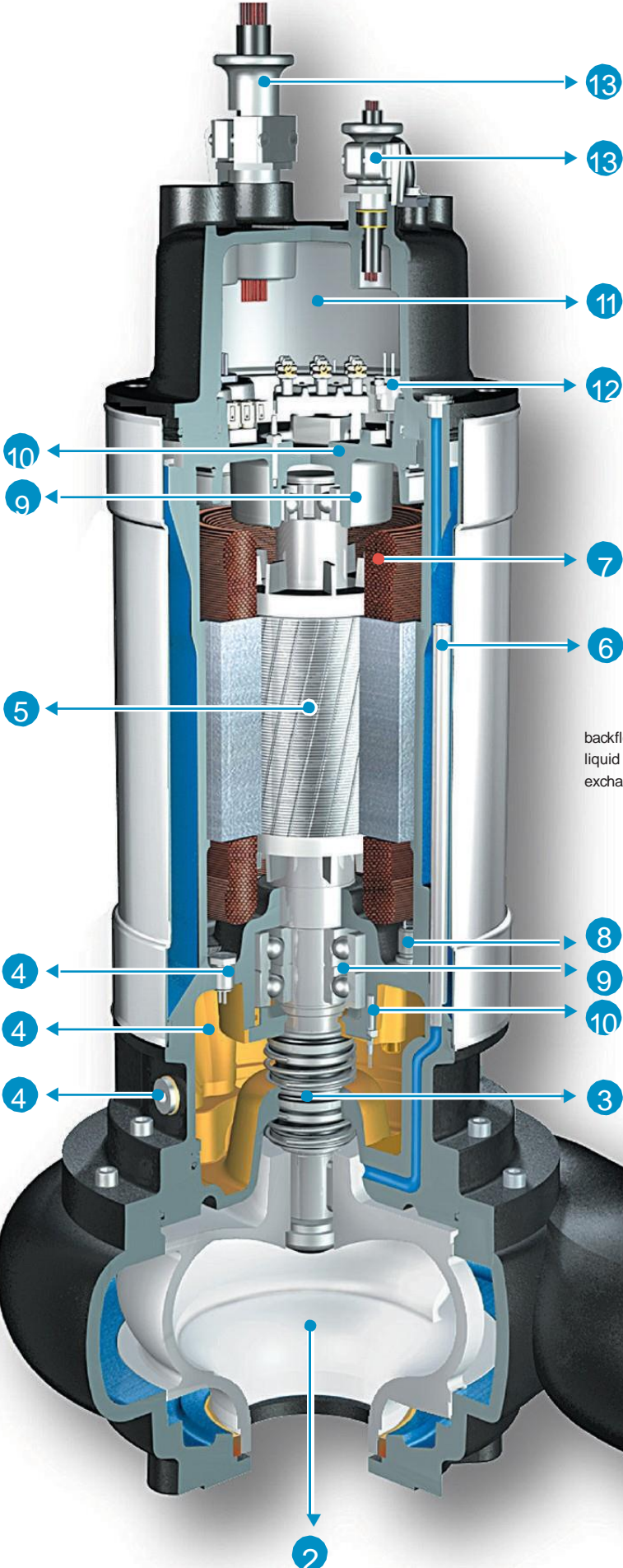
Separate junction chamber standard from 22 kW 4-pole, below on request.

#### ● Electronic moisture sensor in junction chamber

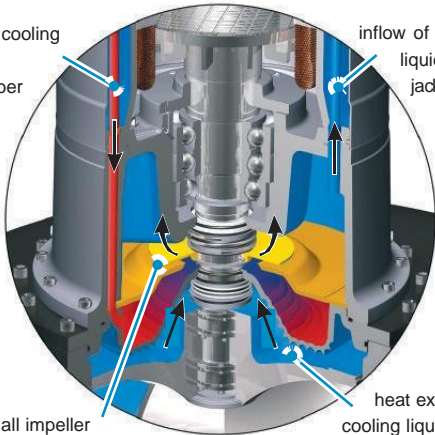
Available on request.

#### ● Pressure sealed, strain relief cable entry





**NEW!**  
Now available with closed  
liquid cooling system



backflow of hot cooling liquid into heat-exchange chamber

inflow of cold cooling liquid into motor jacket chamber

small impeller for pumping the cooling liquid

heat exchange of cooling liquid with cold pumped liquid through pump flange, spiral-shaped for maximum surface

# DN80 - MX13...-2 pole

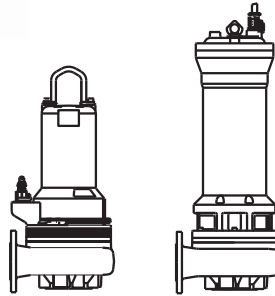


Enclosed single channel impeller

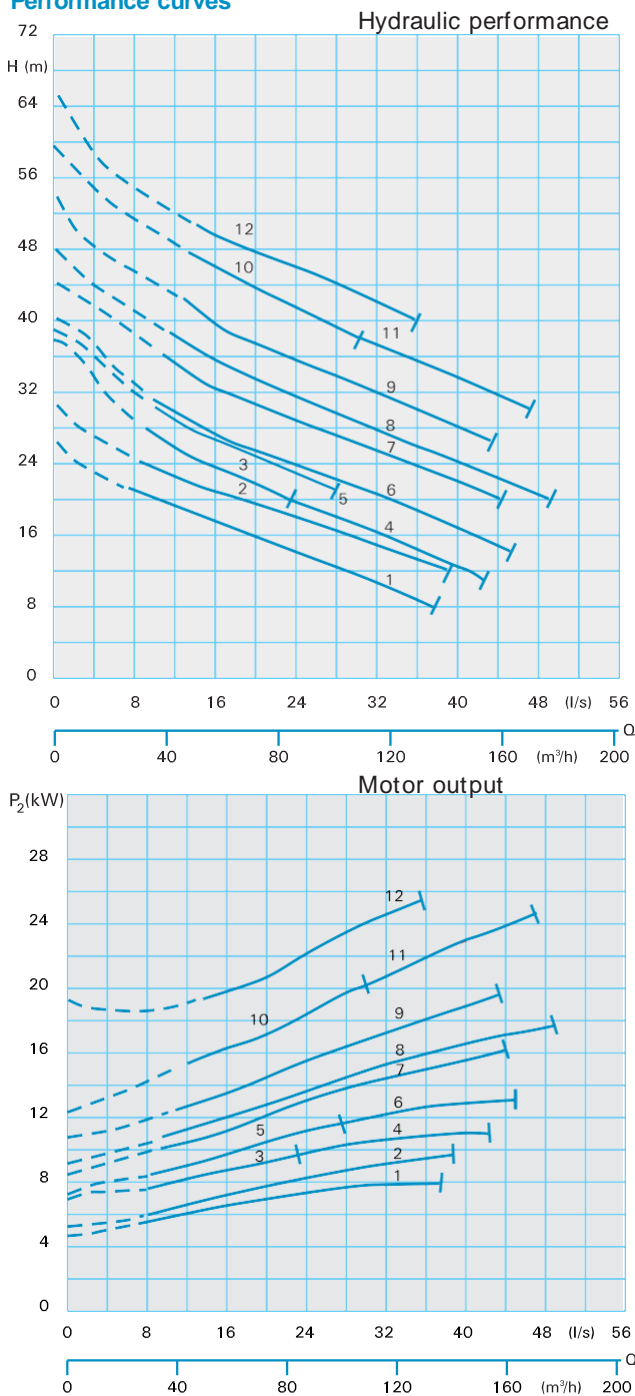
80 mm Ø

Spherical clearance

2900 rpm



## Performance curves



## Technical data

Standard- and Explosion-proof model – Wet well installation						
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX1330-T72(C)(Ex)	11.0	9.5	18.8	104	104
2	MX1331-T72(C)(Ex)	11.0	9.5	18.8	104	104
3	MX1335-T72(C)(Ex)	11.0	9.5	18.8	104	104
4	MX1335-T82(C)(Ex)	13.0	11.5	22.2	109	109
5	MX1336-T82(C)(Ex)	13.0	11.5	22.2	109	109
6	MX1336-P92(C)(Ex)	22.0	19.6	36.9	179	191
7	MX1337-P102(C)(Ex)	22.0	19.6	36.9	179	191
8	MX1338-P102(C)(Ex)	22.0	19.6	36.9	179	191
9	MX1339-P102(C)(Ex)	22.0	19.6	36.9	179	191
10	MX1341-P102(C)(Ex)	22.0	19.6	36.9	179	191
11	MX1341-P122(C)(Ex)	28.0	25.4	46.3	199	211
12	MX1344-P122(C)(Ex)	28.0	25.4	46.3	202	214

Standard- and Explosion-proof model – Dry well installation						
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX1330-TU72(Ex)	11.0	9.5	18.8	109	109
2	MX1331-TU72(Ex)	11.0	9.5	18.8	109	109
3	MX1335-TU72(Ex)	11.0	9.5	18.8	109	109
4	MX1335-TU82(Ex)	13.0	11.5	22.2	114	114
5	MX1336-TU82(Ex)	13.0	11.5	22.2	114	114
6	MX1336-PU92(Ex)	22.0	19.6	36.9	191	203
7	MX1337-PU102(Ex)	22.0	19.6	36.9	191	203
8	MX1338-PU102(Ex)	22.0	19.6	36.9	191	203
9	MX1339-PU102(Ex)	22.0	19.6	36.9	191	203
10	MX1341-PU102(Ex)	22.0	19.6	36.9	191	203
11	MX1341-PU122(Ex)	28.0	25.4	46.3	211	223
12	MX1344-PU122(Ex)	28.0	25.4	46.3	214	226

# DN80 - MX13...-4 pole

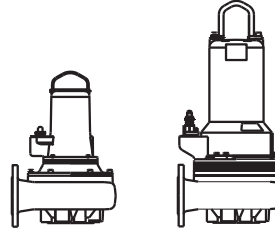


**Enclosed single channel impeller**

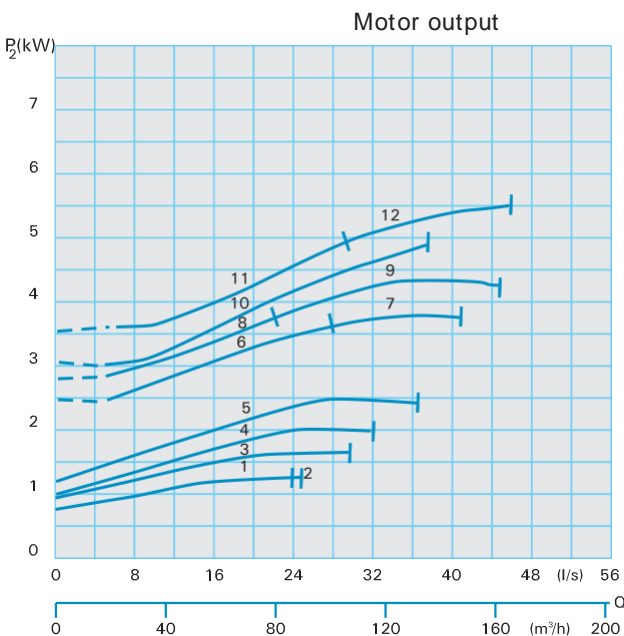
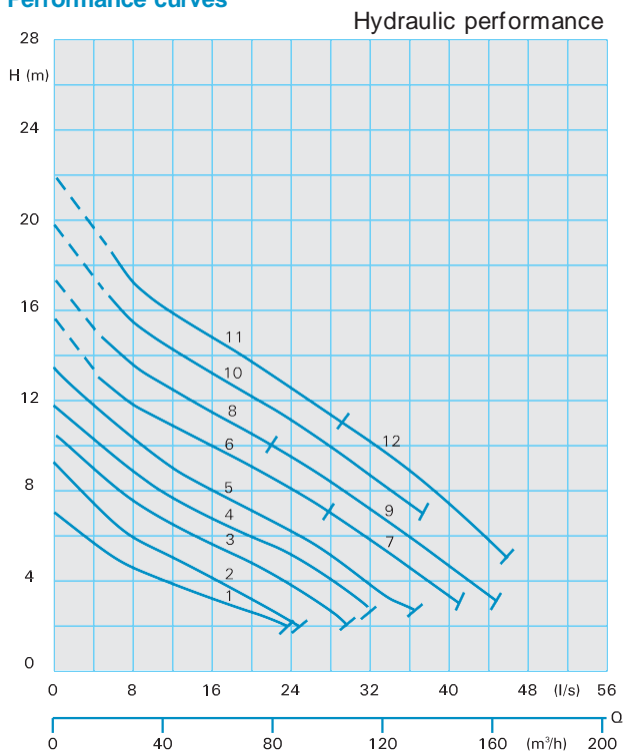
**80 mm Ø**

**Spherical clearance**

**1450 rpm**



## Performance curves



## Technical data

Standard- and Explosion-proof model – Wet well installation						
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX1331-C24(C)(Ex)	1.7	1.3	3.3	67	67
2	MX1336-C24(C)(Ex)	1.7	1.3	3.3	67	67
3	MX1337-D44(C)(Ex)	3.4	2.6	6.2	70	70
4	MX1339-D44(C)(Ex)	3.4	2.6	6.2	70	70
5	MX1341-D44(C)(Ex)	3.4	2.6	6.2	70	70
6	MX1344-T44(C)(Ex)	4.4	3.7	7.5	95	95
7	MX1344-T54(C)(Ex)	5.9	5.0	9.9	108	108
8	MX1346-T44(C)(Ex)	4.4	3.7	7.5	95	95
9	MX1346-T54(C)(Ex)	5.9	5.0	9.9	108	108
10	MX1347-T54(C)(Ex)	5.9	5.0	9.9	108	108
11	MX1350-T54(C)(Ex)	5.9	5.0	9.9	108	108
12	MX1350-T64(C)(Ex)	7.7	6.5	13.1	113	113

Standard- and Explosion-proof model – Dry well installation						
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX1331-TU34(Ex)	3.4	2.9	5.8	97	97
2	MX1336-TU34(Ex)	3.4	2.9	5.8	97	97
3	MX1337-TU34(Ex)	3.4	2.9	5.8	97	97
4	MX1339-TU34(Ex)	3.4	2.9	5.8	97	97
5	MX1341-TU34(Ex)	3.4	2.9	5.8	97	97
6	MX1344-TU44(Ex)	4.4	3.7	7.5	99	99
7	MX1344-TU54(Ex)	5.9	5.0	9.9	113	113
8	MX1346-TU44(Ex)	4.4	3.7	7.5	99	99
9	MX1346-TU54(Ex)	5.9	5.0	9.9	113	113
10	MX1347-TU54(Ex)	5.9	5.0	9.9	113	113
11	MX1350-TU54(Ex)	5.9	5.0	9.9	113	113
12	MX1350-TU64(Ex)	7.7	6.5	13.1	118	118

# DN80 - MX13...-6 pole

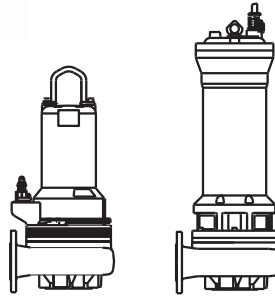


**Enclosed single channel impeller**

**80 mm Ø**

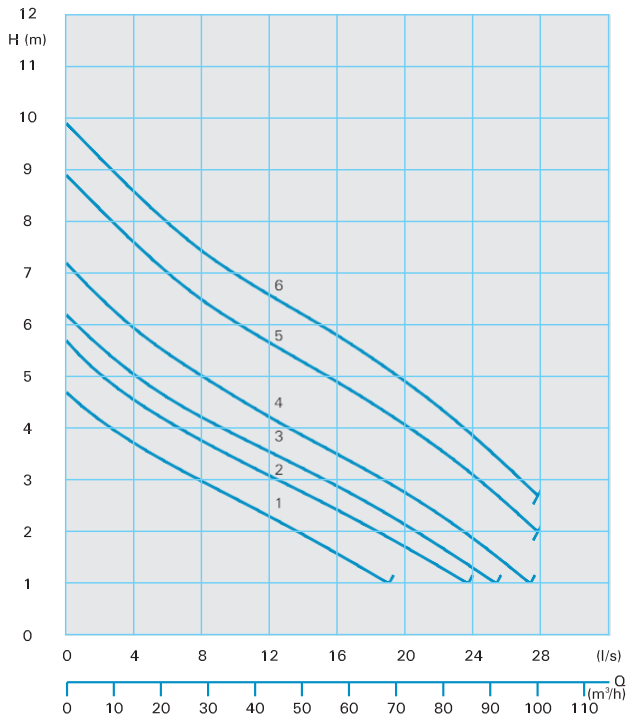
**Spherical clearance**

**960 rpm**

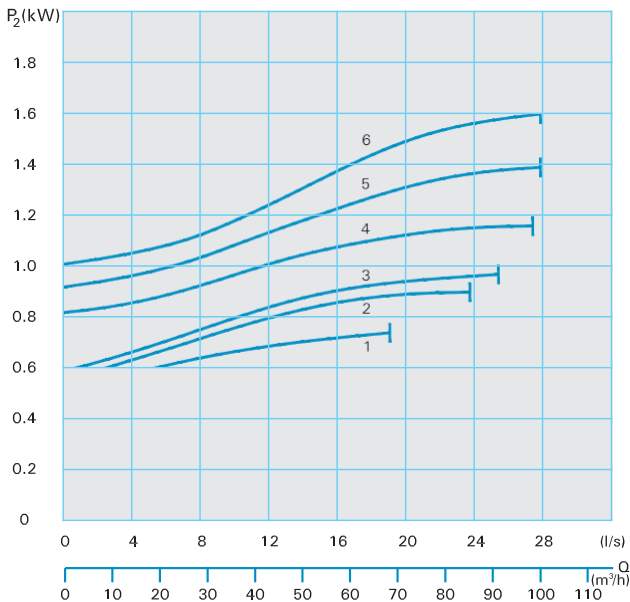


## Performance curves

Hydraulic performance



Motor output



## Technical data

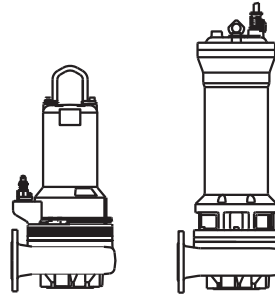
Standard- and Explosion-proof model – Wet well installation						
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX1337-T26(C)(Ex)	3.0	2.3	5.4	92	92
2	MX1338-T26(C)(Ex)	3.0	2.3	5.4	92	92
3	MX1341-T26(C)(Ex)	3.0	2.3	5.4	92	92
4	MX1344-T26(C)(Ex)	3.0	2.3	5.4	107	107
5	MX1347-T26(C)(Ex)	3.0	2.3	5.4	107	107
6	MX1350-T26(C)(Ex)	3.0	2.3	5.4	107	107

Standard- and Explosion-proof model – Dry well installation						
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX1337-TU26(Ex)	3.0	2.3	5.4	96	96
2	MX1338-TU26(Ex)	3.0	2.3	5.4	96	96
3	MX1341-TU26(Ex)	3.0	2.3	5.4	96	96
4	MX1344-TU26(Ex)	3.0	2.3	5.4	112	112
5	MX1347-TU26(Ex)	3.0	2.3	5.4	112	112
6	MX1350-TU26(Ex)	3.0	2.3	5.4	112	112

# DN80 - V13...-2 pole

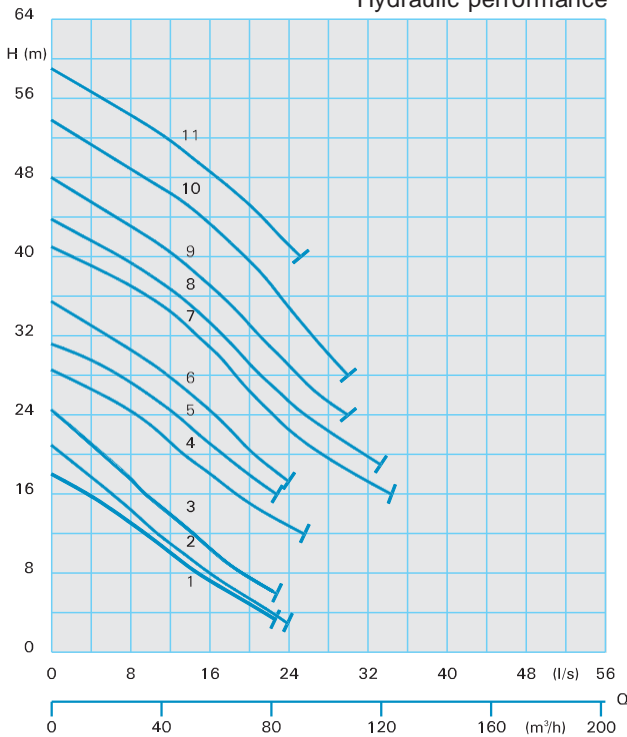


**Vortex impeller**  
**80 mm Ø**  
**Spherical clearance**  
**2900 rpm**

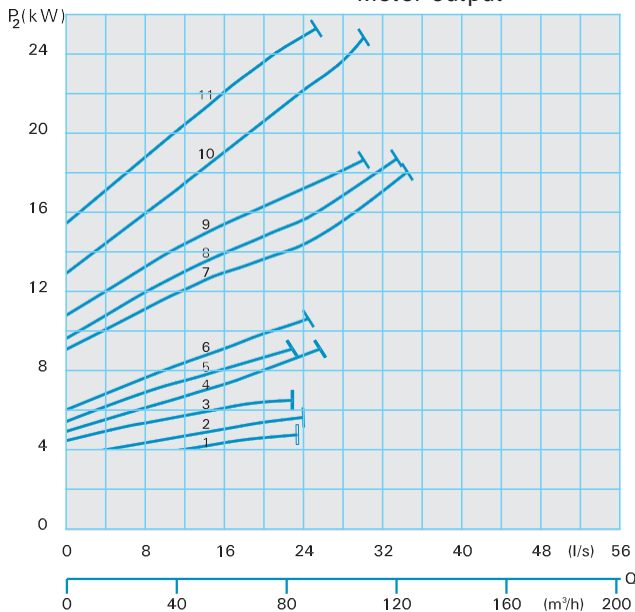


## Performance curves

Hydraulic performance



Motor output



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	V1332-T62(C)(Ex)	7.5	6.4	13.0	91	91
2	V1333-T62(C)(Ex)	7.5	6.4	13.0	91	91
3	V1334-T62(C)(Ex)	7.5	6.4	13.0	91	91
4	V1335-T72(C)(Ex)	11.0	9.5	18.8	103	103
5	V1337-T72(C)(Ex)	11.0	9.5	18.8	103	103
6	V1339-T82(C)(Ex)	13.0	11.5	22.2	108	108
7	V1342-P102(C)(Ex)	22.0	19.6	36.9	176	188
8	V1343-P102(C)(Ex)	22.0	19.6	36.9	176	188
9	V1344-P102(C)(Ex)	22.0	19.6	36.9	176	188
10	V1345-P122(C)(Ex)	28.0	25.4	46.3	196	208
11	V1346-P122(C)(Ex)	28.0	25.4	46.3	196	208

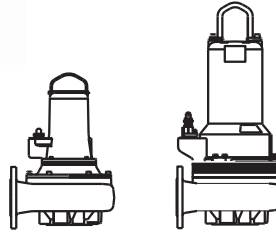
### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	V1332-TU62(Ex)	7.5	6.4	13.0	94	94
2	V1333-TU62(Ex)	7.5	6.4	13.0	94	94
3	V1334-TU62(Ex)	7.5	6.4	13.0	94	94
4	V1335-TU72(Ex)	11.0	9.5	18.8	108	108
5	V1337-TU72(Ex)	11.0	9.5	18.8	108	108
6	V1339-TU82(Ex)	13.0	11.5	22.2	113	113
7	V1342-PU102(Ex)	22.0	19.6	36.9	188	200
8	V1343-PU102(Ex)	22.0	19.6	36.9	188	200
9	V1344-PU102(Ex)	22.0	19.6	36.9	188	200
10	V1345-PU122(Ex)	28.0	25.4	46.3	208	220
11	V1346-PU122(Ex)	28.0	25.4	46.3	208	220

# DN80 - V(X)13...-4 pole

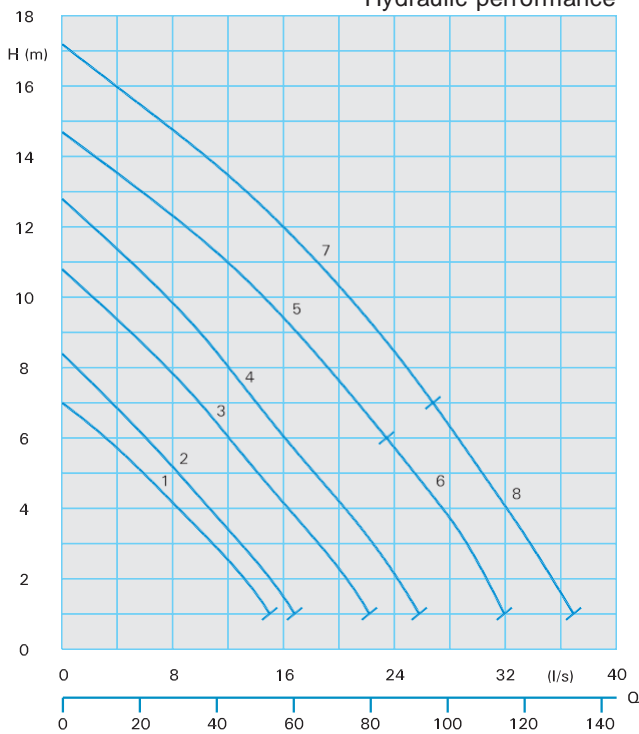


**Vortex impeller**  
**80 mm Ø**  
**Spherical clearance**  
**1450 rpm**

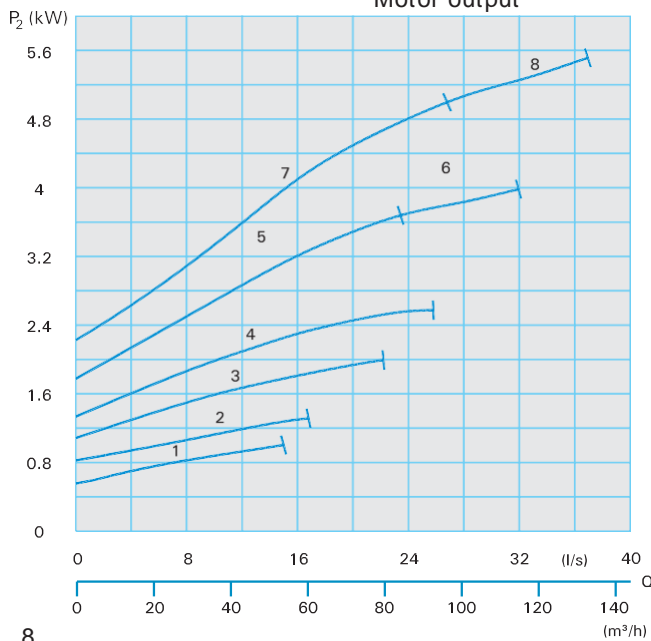


## Performance curves

Hydraulic performance



Motor output



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current standard I <sub>n</sub> (A)	Weight (kg)	Weight Ex (kg)
1	V1334-C24(C)(Ex)	1.7	1.3	3.3	63	64
2	V1336-C24(C)(Ex)	1.7	1.3	3.3	63	64
3	V1344-D44(C)(Ex)	3.4	2.6	6.2	66	67
4	V1346-D44(C)(Ex)	3.4	2.6	6.2	66	67
5	VX1345-T44(C)(Ex)	4.4	3.7	7.5	107	107
6	VX1345-T54(C)(Ex)	5.9	5.0	9.9	117	117
7	VX1346-T54(C)(Ex)	5.9	5.0	9.9	118	118
8	VX1346-T64(C)(Ex)	7.7	6.5	13.1	121	121

### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current standard I <sub>n</sub> (A)	Weight (kg)	Weight Ex (kg)
1	V1334-TU34(Ex)	3.4	2.9	5.8	86	86
2	V1336-TU34(Ex)	3.4	2.9	5.8	86	86
3	V1344-TU34(Ex)	3.4	2.9	5.8	90	90
4	V1346-TU34(Ex)	3.4	2.9	5.8	90	90
5	VX1345-TU44(Ex)	4.4	3.7	7.5	110	110
6	VX1345-TU54(Ex)	5.9	5.0	9.9	121	121
7	VX1346-TU54(Ex)	5.9	5.0	9.9	122	122
8	VX1346-TU64(Ex)	7.7	6.5	13.1	125	125



# DN100 - MX23...-2 pole

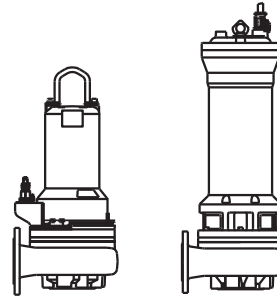


**Enclosed single channel impeller**

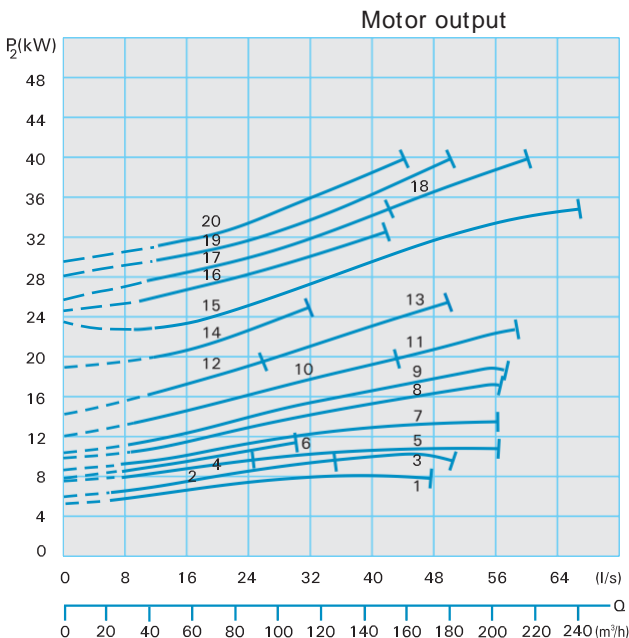
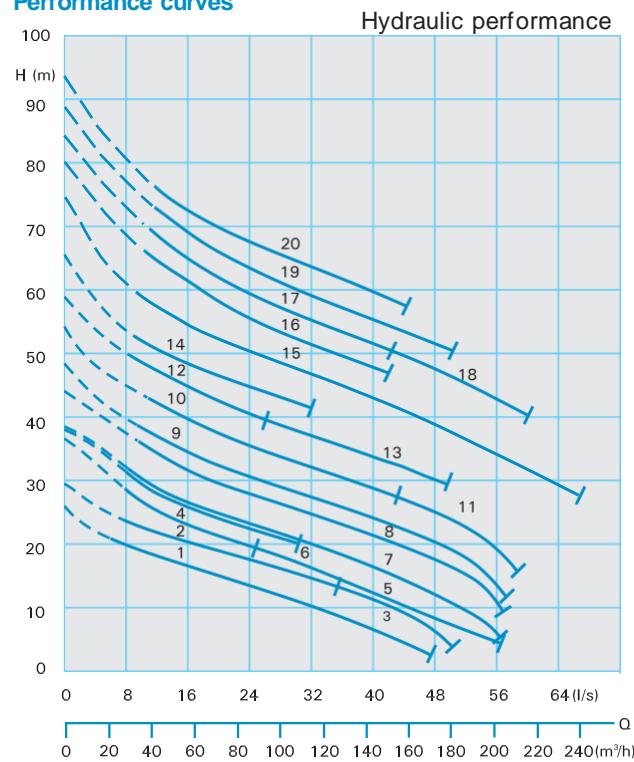
**80 mm Ø**

**Spherical clearance**

**2900 rpm**



## Performance curves



## Technical data

Standard- and Explosion-proof model – Wet well installation						
Curve No.	Pump type	Motor input	Motor output	Rated current	Weight standard	Weight Ex
		P <sub>1</sub> (kW)	P <sub>2</sub> (kW)	I <sub>n</sub> (A)	(kg)	(kg)
1	MX2330-T72(C)(Ex)	11.0	9.5	18.8	105	105
2	MX2331-T72(C)(Ex)	11.0	9.5	18.8	105	105
3	MX2331-T82(C)(Ex)	13.0	11.5	22.2	110	110
4	MX2335-T72(C)(Ex)	11.0	9.5	18.8	105	105
5	MX2335-T82(C)(Ex)	13.0	11.5	22.2	110	110
6	MX2336-T82(C)(Ex)	13.0	11.5	22.2	110	110
7	MX2336-P92(C)(Ex)	22.0	19.6	36.9	180	192
8	MX2337-P102(C)(Ex)	22.0	19.6	36.9	180	192
9	MX2338-P102(C)(Ex)	22.0	19.6	36.9	180	192
10	MX2339-P102(C)(Ex)	22.0	19.6	36.9	180	192
11	MX2339-P122(C)(Ex)	28.0	25.4	46.3	200	212
12	MX2341-P102(C)(Ex)	22.0	19.6	36.9	180	192
13	MX2341-P122(C)(Ex)	28.0	25.4	46.3	200	212
14	MX2344-P122(C)(Ex)	28.0	25.4	46.3	203	215
15	MX2346-F152(C)(Ex)	38.0	35.0	59.4	330	330
16	MX2347-F152(C)(Ex)	38.0	35.0	59.4	330	330
17	MX2348-F152(C)(Ex)	38.0	35.0	59.4	331	331
18	MX2348-F162(C)(Ex)	43.0	40.0	67.5	348	348
19	MX2349-F162(C)(Ex)	43.0	40.0	67.5	349	349
20	MX2350-F162(C)(Ex)	43.0	40.0	67.5	350	350

Standard- and Explosion-proof model – Dry well installation						
Curve No.	Pump type	Motor input	Motor output	Rated current	Weight standard	Weight Ex
		P <sub>1</sub> (kW)	P <sub>2</sub> (kW)	I <sub>n</sub> (A)	(kg)	(kg)
1	MX2330-TU72(Ex)	11.0	9.5	18.8	110	110
2	MX2331-TU72(Ex)	11.0	9.5	18.8	110	110
3	MX2331-TU82(Ex)	13.0	11.5	22.2	115	115
4	MX2335-TU72(Ex)	11.0	9.5	18.8	110	110
5	MX2335-TU82(Ex)	13.0	11.5	22.2	115	115
6	MX2336-TU82(Ex)	13.0	11.5	22.2	115	115
7	MX2336-PU92(Ex)	22.0	19.6	36.9	192	204
8	MX2337-PU102(Ex)	22.0	19.6	36.9	192	204
9	MX2338-PU102(Ex)	22.0	19.6	36.9	192	204
10	MX2339-PU102(Ex)	22.0	19.6	36.9	192	204
11	MX2339-PU122(Ex)	28.0	25.4	46.3	212	224
12	MX2341-PU102(Ex)	22.0	19.6	36.9	192	204
13	MX2341-PU122(Ex)	28.0	25.4	46.3	212	224
14	MX2344-PU122(Ex)	28.0	25.4	46.3	215	227
15	MX2346-FU152(Ex)	38.0	35.0	59.4	361	361
16	MX2347-FU152(Ex)	38.0	35.0	59.4	361	361
17	MX2348-FU152(Ex)	38.0	35.0	59.4	362	362
18	MX2348-FU162(Ex)	43.0	40.0	67.5	381	381
19	MX2349-FU162(Ex)	43.0	40.0	67.5	382	382
20	MX2350-FU162(Ex)	43.0	40.0	67.5	383	383

# DN100 - MX23...4-pole

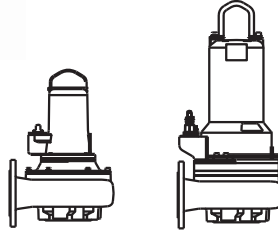


**Enclosed single channel impeller**

**80 mm Ø**

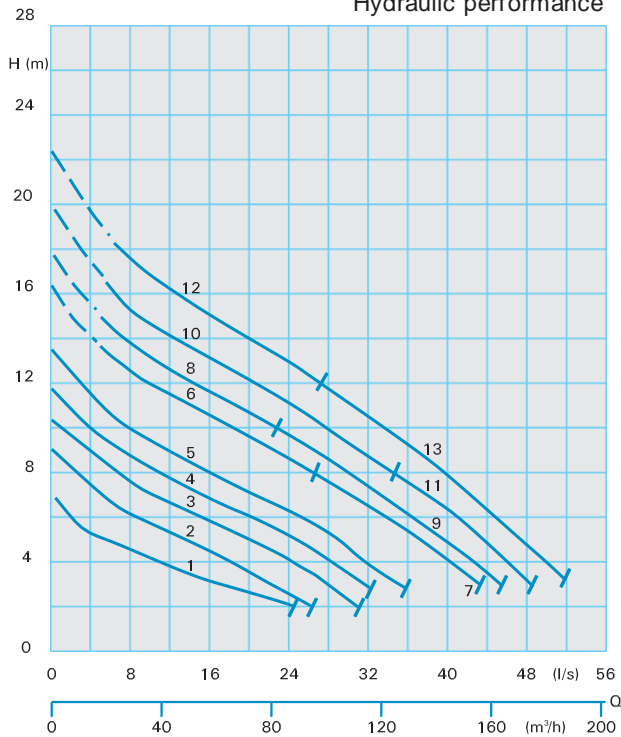
**Spherical clearance**

**1450 rpm**

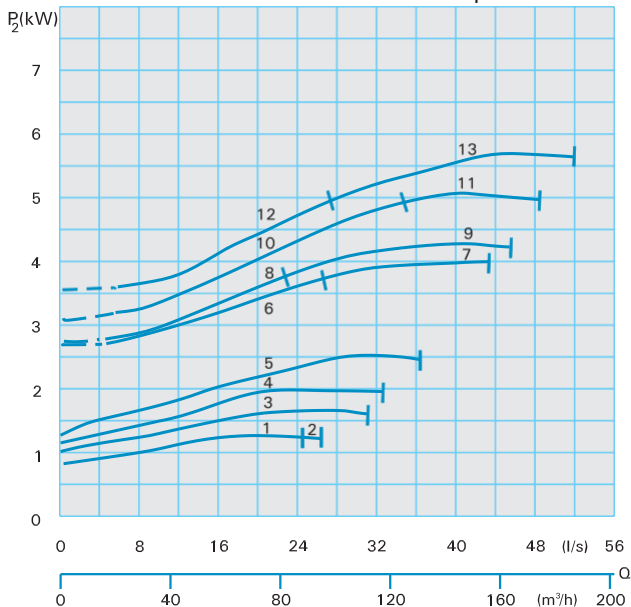


## Performance curves

Hydraulic performance



Motor output



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX2331-C24(C)(Ex)	1.7	1.3	3.3	68	68
2	MX2336-C24(C)(Ex)	1.7	1.3	3.3	68	68
3	MX2337-D44(C)(Ex)	3.4	2.6	6.2	71	71
4	MX2339-D44(C)(Ex)	3.4	2.6	6.2	71	71
5	MX2341-D44(C)(Ex)	3.4	2.6	6.2	71	71
6	MX2344-T44(C)(Ex)	4.4	3.7	7.5	96	96
7	MX2344-T54(C)(Ex)	5.9	5.0	9.9	109	109
8	MX2346-T44(C)(Ex)	4.4	3.7	7.5	96	96
9	MX2346-T54(C)(Ex)	5.9	5.0	9.9	109	109
10	MX2347-T54(C)(Ex)	5.9	5.0	9.9	109	109
11	MX2347-T64(C)(Ex)	7.7	6.5	13.1	114	114
12	MX2350-T54(C)(Ex)	5.9	5.0	9.9	109	109
13	MX2350-T64(C)(Ex)	7.7	6.5	13.1	114	114

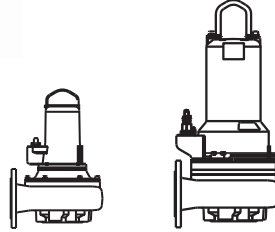
### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX2331-TU34(Ex)	3.4	2.9	5.8	98	98
2	MX2336-TU34(Ex)	3.4	2.9	5.8	98	98
3	MX2337-TU34(Ex)	3.4	2.9	5.8	98	98
4	MX2339-TU34(Ex)	3.4	2.9	5.8	98	98
5	MX2341-TU34(Ex)	3.4	2.9	5.8	98	98
6	MX2344-TU44(Ex)	4.4	3.7	7.5	100	100
7	MX2344-TU54(Ex)	5.9	5.0	9.9	114	114
8	MX2346-TU44(Ex)	4.4	3.7	7.5	100	100
9	MX2346-TU54(Ex)	5.9	5.0	9.9	114	114
10	MX2347-TU54(Ex)	5.9	5.0	9.9	114	114
11	MX2347-TU64(Ex)	7.7	6.5	13.1	119	119
12	MX2350-TU54(Ex)	5.9	5.0	9.9	114	114
13	MX2350-TU64(Ex)	7.7	6.5	13.1	119	119

# DN100 - V(X)23...-4 pole

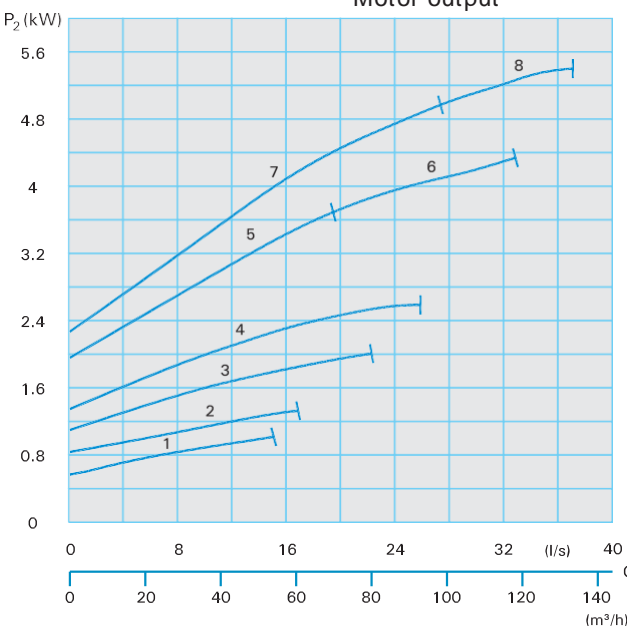
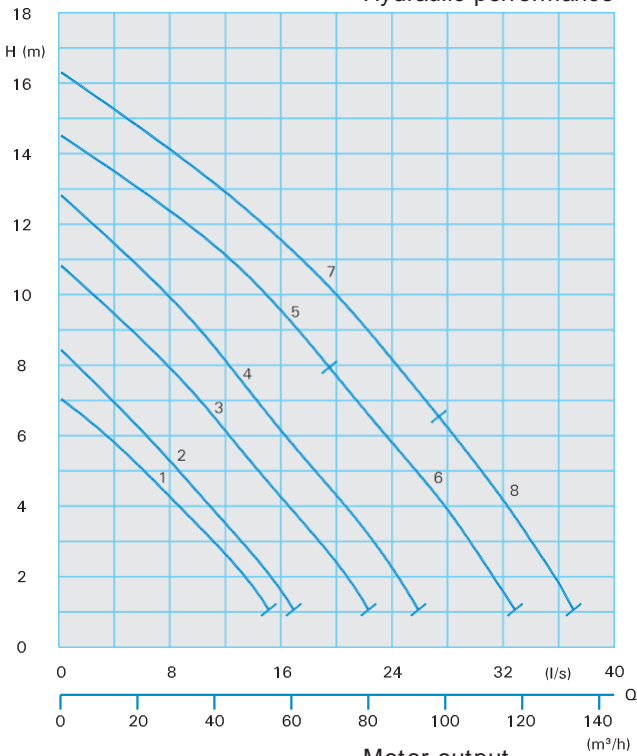


**Vortex impeller**  
**80 mm Ø**  
**Spherical clearance**  
**1450 rpm**



## Performance curves

Hydraulic performance



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	V2334-C24(C)(Ex)	1.7	1.3	3.3	65	66
2	V2336-C24(C)(Ex)	1.7	1.3	3.3	65	66
3	V2344-D44(C)(Ex)	3.4	2.6	6.2	68	69
4	V2346-D44(C)(Ex)	3.4	2.6	6.2	68	69
5	VX2345-T44(C)(Ex)	4.4	3.7	7.5	109	109
6	VX2345-T54(C)(Ex)	5.9	5.0	9.9	119	119
7	VX2346-T54(C)(Ex)	5.9	5.0	9.9	120	120
8	VX2346-T64(C)(Ex)	7.7	6.5	13.1	123	123

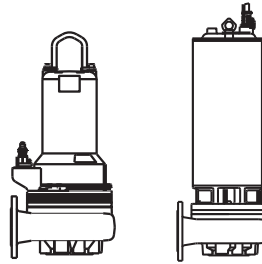
### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	V2334-TU34(Ex)	3.4	2.9	5.8	87	87
2	V2336-TU34(Ex)	3.4	2.9	5.8	87	87
3	V2344-TU34(Ex)	3.4	2.9	5.8	91	91
4	V2346-TU34(Ex)	3.4	2.9	5.8	91	91
5	VX2345-TU44(Ex)	4.4	3.7	7.5	112	112
6	VX2345-TU54(Ex)	5.9	5.0	9.9	123	123
7	VX2346-TU54(Ex)	5.9	5.0	9.9	124	124
8	VX2346-TU64(Ex)	7.7	6.5	13.1	127	127

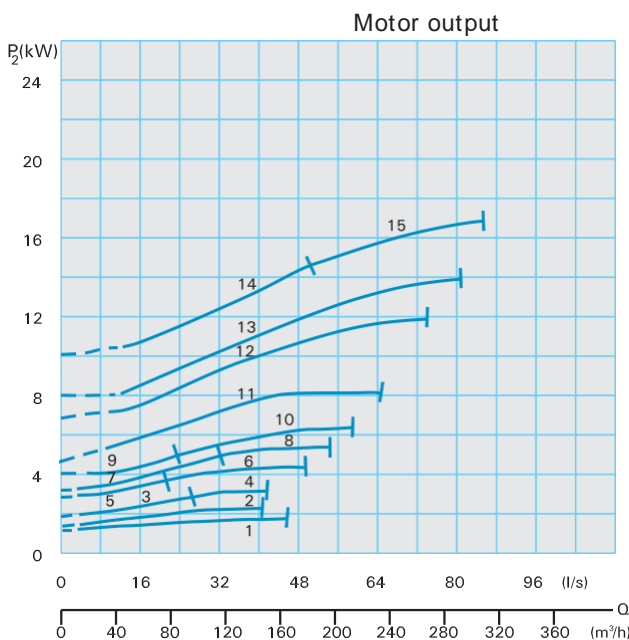
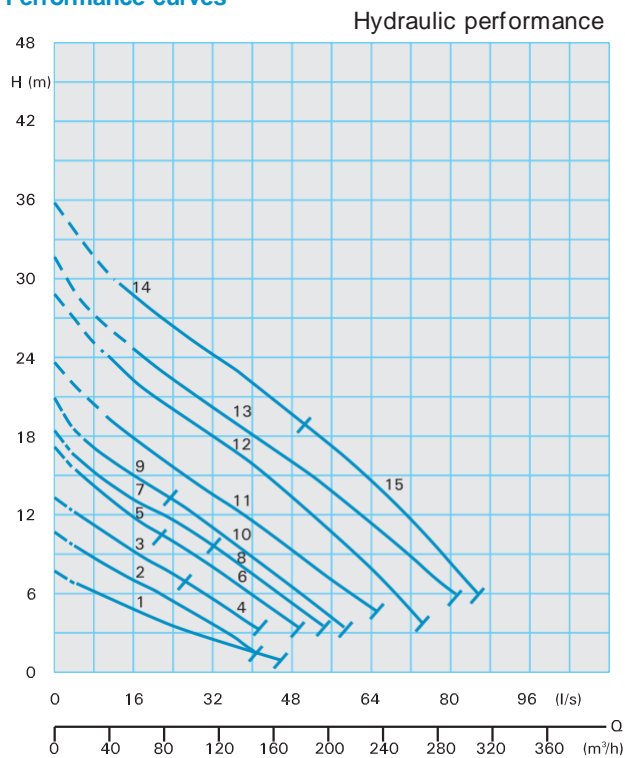
# DN100 - MX24...-4 pole



**Enclosed single channel impeller**  
**100 mm Ø**  
**Spherical clearance**  
**1450 rpm**



## Performance curves



## Technical data

Standard- and Explosion-proof model – Wet well installation						
Curve No.	Pump type	Motor input	Motor output	Rated current	Weight standard	Weight Ex
		P <sub>1</sub> (kW)	P <sub>2</sub> (kW)	I <sub>N</sub> (A)	(kg)	(kg)
1	M2432-T34(C)(Ex)	3.4	2.9	5.8	102	102
2	MX2436-T34(C)(Ex)	3.4	2.9	5.8	104	104
3	MX2438-T34(C)(Ex)	3.4	2.9	5.8	104	104
4	MX2438-T44(C)(Ex)	4.4	3.7	7.5	108	108
5	MX2444-T44(C)(Ex)	4.4	3.7	7.5	109	109
6	MX2444-T54(C)(Ex)	5.9	5.0	9.9	111	111
7	MX2446-T54(C)(Ex)	5.9	5.0	9.9	111	111
8	MX2446-T64(C)(Ex)	7.7	6.5	13.1	114	114
9	MX2448-T54(C)(Ex)	5.9	5.0	9.9	111	111
10	MX2448-T64(C)(Ex)	7.7	6.5	13.1	114	114
11	MX2452-P74(C)(Ex)	10.0	8.5	16.8	184	196
12	MX2456-P84(C)(Ex)	17.0	14.6	28.8	211	223
13	MX2460-P94(C)(Ex)	17.0	14.6	28.8	212	224
14	MX2462-P94(C)(Ex)	17.0	14.6	28.8	213	225
15	MX2462-P104(C)(Ex)	22.0	19.3	39.1	231	243

Standard- and Explosion-proof model – Dry well installation						
Curve No.	Pump type	Motor input	Motor output	Rated current	Weight standard	Weight Ex
		P <sub>1</sub> (kW)	P <sub>2</sub> (kW)	I <sub>N</sub> (A)	(kg)	(kg)
1	M2432-TU34(Ex)	3.4	2.9	5.8	105	105
2	MX2436-TU34(Ex)	3.4	2.9	5.8	107	107
3	MX2438-TU34(Ex)	3.4	2.9	5.8	107	107
4	MX2438-TU44(Ex)	4.4	3.7	7.5	111	111
5	MX2444-TU44(Ex)	4.4	3.7	7.5	112	112
6	MX2444-TU54(Ex)	5.9	5.0	9.9	115	115
7	MX2446-TU54(Ex)	5.9	5.0	9.9	115	115
8	MX2446-TU64(Ex)	7.7	6.5	13.1	118	118
9	MX2448-TU54(Ex)	5.9	5.0	9.9	115	115
10	MX2448-TU64(Ex)	7.7	6.5	13.1	118	118
11	MX2452-PU74(Ex)	10.0	8.5	16.8	191	203
12	MX2456-PU84(Ex)	17.0	14.6	28.8	216	231
13	MX2460-PU94(Ex)	17.0	14.6	28.8	220	232
14	MX2462-PU94(Ex)	17.0	14.6	28.8	221	233
15	MX2462-PU104(Ex)	22.0	19.3	39.1	241	253

# DN100 - MX24...-6 pole

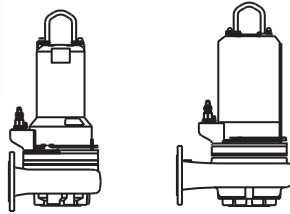


**Enclosed single channel impeller**

**100 mm Ø**

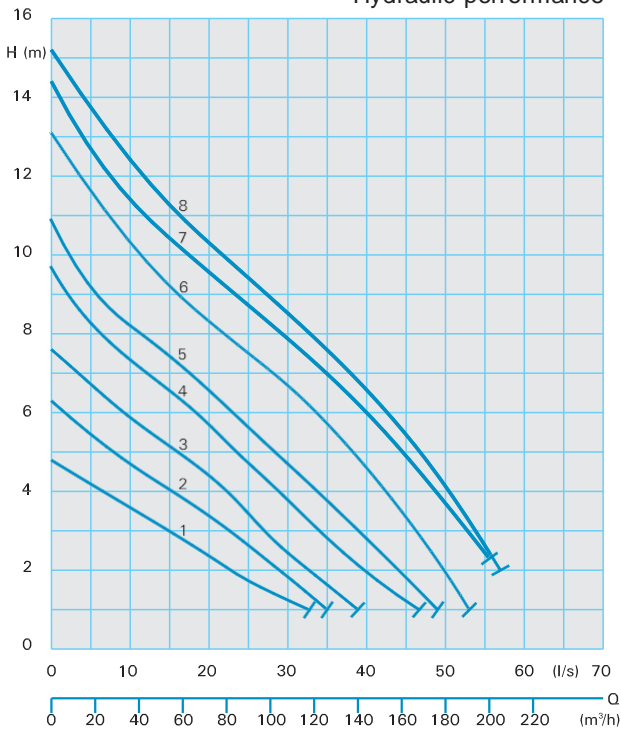
**Spherical clearance**

**960 rpm**

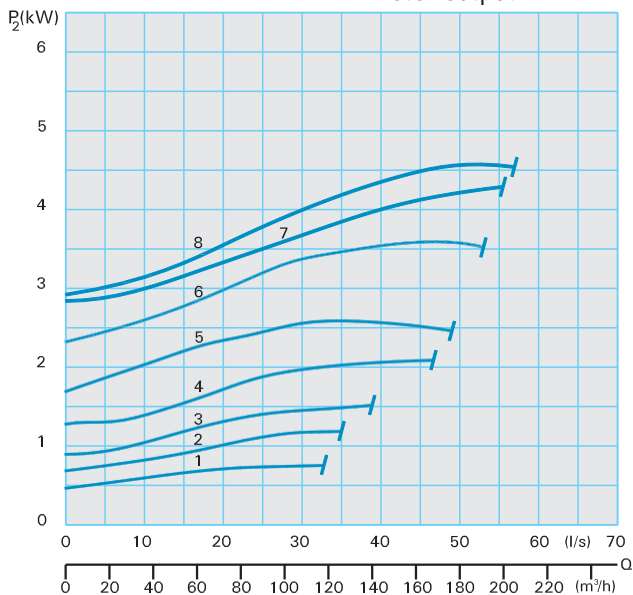


## Performance curves

Hydraulic performance



Motor output



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX2436-T36(C)(Ex)	3.0	2.3	5.4	104	104
2	MX2438-T36(C)(Ex)	3.0	2.3	5.4	104	104
3	MX2446-T36(C)(Ex)	3.0	2.3	5.4	109	109
4	MX2448-T36(C)(Ex)	3.0	2.3	5.4	109	109
5	MX2452-T46(C)(Ex)	4.0	3.1	7.3	148	148
6	MX2456-T56(C)(Ex)	5.0	4.0	9.6	154	154
7	MX2460-T66(C)(Ex)	6.0	4.9	11.5	155	155
8	MX2462-T66(C)(Ex)	6.0	4.9	11.5	156	156

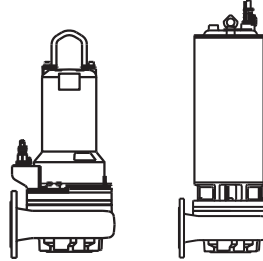
### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>N</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX2436-TU36(Ex)	3.0	2.3	5.4	107	107
2	MX2438-TU36(Ex)	3.0	2.3	5.4	107	107
3	MX2446-TU36(Ex)	3.0	2.3	5.4	112	112
4	MX2448-TU36(Ex)	3.0	2.3	5.4	112	112
5	MX2452-TU46(Ex)	4.0	3.1	7.3	154	154
6	MX2456-TU56(Ex)	5.0	4.0	9.6	160	160
7	MX2460-TU66(Ex)	6.0	4.9	11.5	161	161
8	MX2462-TU66(Ex)	6.0	4.9	11.5	162	162

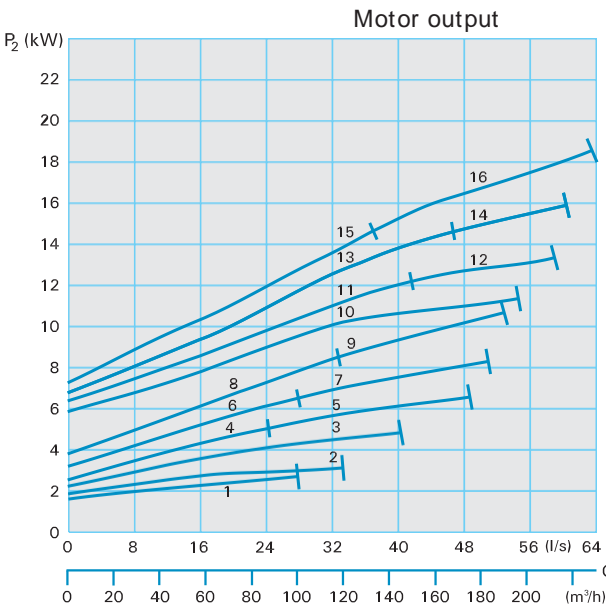
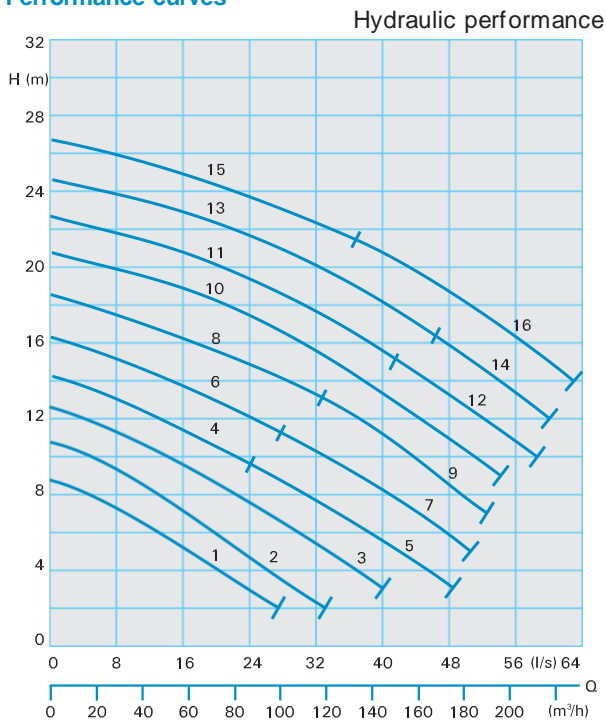
# DN100 - VX24...-4 pole



**Vortex impeller**  
**100 mm Ø**  
**Spherical clearance**  
**1450 rpm**



### Performance curves



### Technical data

Standard- and Explosion-proof model – Wet well installation						
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (standard A)	Weight (kg)	Weight Ex (kg)
1	VX2436-D54(C)(Ex)	4.1	3.2	7.3	78	78
2	VX2439-D54(C)(Ex)	4.1	3.2	7.3	78	78
3	VX2440-T54(C)(Ex)	5.9	5.0	9.9	123	123
4	VX2442-T54(C)(Ex)	5.9	5.0	9.9	123	123
5	VX2442-T64(C)(Ex)	7.7	6.5	13.1	126	126
6	VX2444-T64(C)(Ex)	7.7	6.5	13.1	126	126
7	VX2444-P74(C)(Ex)	10.0	8.5	16.8	152	152
8	VX2446-P74(C)(Ex)	10.0	8.5	16.8	152	152
9	VX2446-P84(C)(Ex)	14.0	12.2	23.0	177	177
10	VX2452-P84(C)(Ex)	14.0	12.2	23.0	205	205
11	VX2454-P84(C)(Ex)	14.0	12.2	23.0	205	205
12	VX2454-P94(C)(Ex)	17.0	14.6	28.8	205	205
13	VX2456-P94(C)(Ex)	17.0	14.6	28.8	205	205
14	VX2456-P104(C)(Ex)	22.0	19.3	39.1	227	227
15	VX2458-P94(C)(Ex)	17.0	14.6	28.8	205	205
16	VX2458-P104(C)(Ex)	22.0	19.3	39.1	227	227

Standard- and Explosion-proof model – Dry well installation						
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	VX2436-TU44(Ex)	4.4	3.7	7.5	113	113
2	VX2439-TU44(Ex)	4.4	3.7	7.5	113	113
3	VX2440-TU54(Ex)	5.9	5.0	9.9	127	127
4	VX2442-TU54(Ex)	5.9	5.0	9.9	127	127
5	VX2442-TU64(Ex)	7.7	6.5	13.1	130	130
6	VX2444-TU64(Ex)	7.7	6.5	13.1	130	130
7	VX2444-PU74(Ex)	10.0	8.5	16.8	160	160
8	VX2446-PU74(Ex)	10.0	8.5	16.8	160	160
9	VX2446-PU84(Ex)	14.0	12.2	23.0	187	187
10	VX2452-PU84(Ex)	14.0	12.2	23.0	215	215
11	VX2454-PU84(Ex)	14.0	12.2	23.0	215	215
12	VX2454-PU94(Ex)	17.0	14.6	28.8	215	215
13	VX2456-PU94(Ex)	17.0	14.6	28.8	215	215
14	VX2456-PU104(Ex)	22.0	19.3	39.1	240	240
15	VX2458-PU94(Ex)	17.0	14.6	28.8	215	215
16	VX2458-PU104(Ex)	22.0	19.3	39.1	240	240

# DN150 - MX34...-4 pole

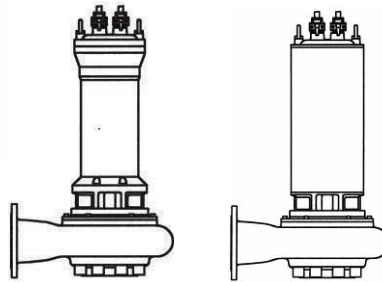


**Enclosed single channel impeller**

**100 mm Ø**

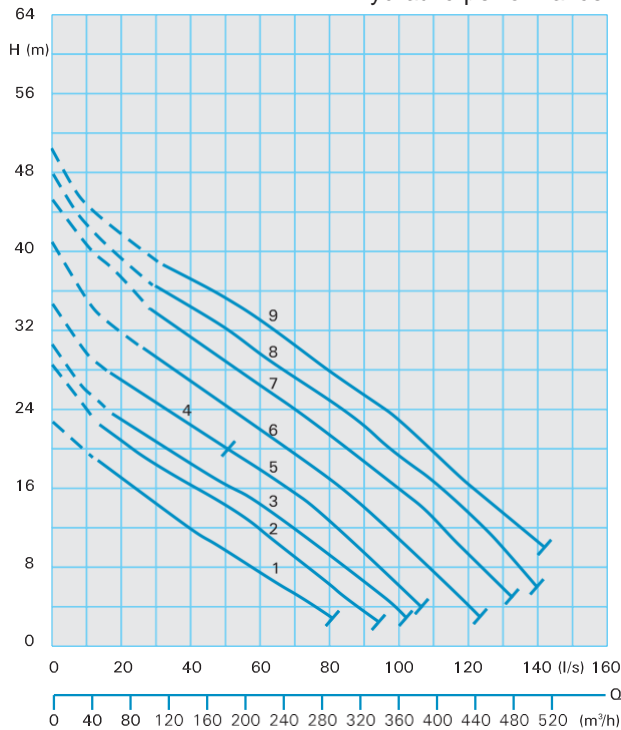
**Spherical clearance**

**1450 rpm**

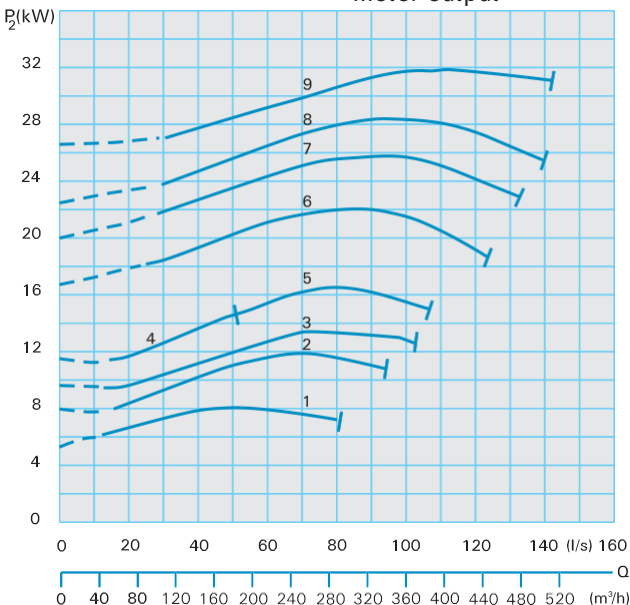


## Performance curves

Hydraulic performance



Motor output



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX3452-P74(C)(Ex)	10.0	8.5	16.8	189	201
2	MX3456-P84(C)(Ex)	17.0	14.6	28.8	216	228
3	MX3460-P94(C)(Ex)	17.0	14.6	28.8	217	229
4	MX3462-P94(C)(Ex)	17.0	14.6	28.8	218	230
5	MX3462-P104(C)(Ex)	22.0	19.3	39.1	236	248
6	MX3468-F114(C)(Ex)	25.0	22.0	44.0	388	388
7	MX3470-F124(C)(Ex)	29.0	25.6	51.4	410	410
8	MX3472-F134(C)(Ex)	33.0	29.2	59.0	420	420
9	MX3474-F144(C)(Ex)	37.0	33.0	67.1	430	430

### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX3452-PU74(Ex)	10.0	8.5	16.8	196	208
2	MX3456-PU84(Ex)	17.0	14.6	28.8	224	236
3	MX3460-PU94(Ex)	17.0	14.6	28.8	225	237
4	MX3462-PU94(Ex)	17.0	14.6	28.8	226	238
5	MX3462-PU104(Ex)	22.0	19.3	39.1	246	258
6	MX3468-FU114(Ex)	25.0	22.0	44.0	451	451
7	MX3470-FU124(Ex)	29.0	25.6	51.4	488	488
8	MX3472-FU134(Ex)	33.0	29.2	59.0	498	498
9	MX3474-FU144(Ex)	37.0	33.0	67.1	508	508

# DN150 - MX34...-6 pole

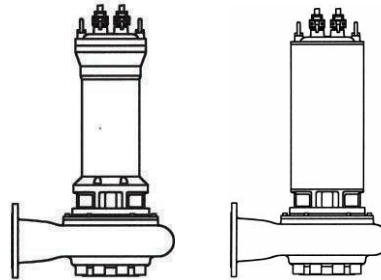


Enclosed single channel impeller

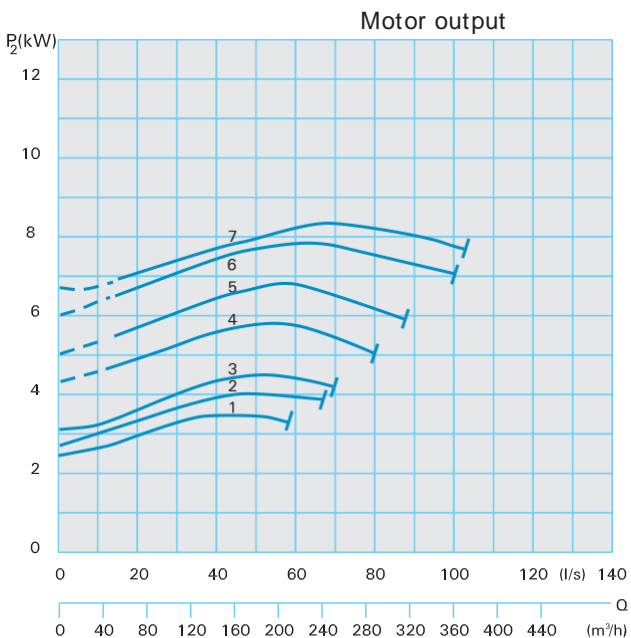
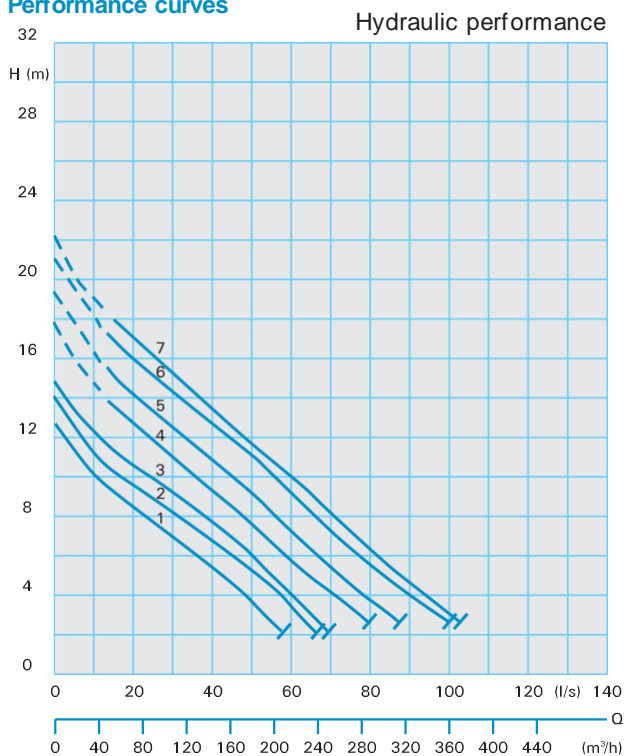
100 mm Ø

Spherical clearance

960 rpm



## Performance curves



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX3456-T56(C)(Ex)	5.0	4.0	9.6	158	158
2	MX3460-T66(C)(Ex)	6.0	4.9	11.5	159	159
3	MX3462-T66(C)(Ex)	6.0	4.9	11.5	160	160
4	MX3468-P76(C)(Ex)	9.0	7.3	16.3	260	272
5	MX3470-P76(C)(Ex)	9.0	7.3	16.3	260	272
6	MX3472-P86(C)(Ex)	12.0	10.0	22.4	285	297
7	MX3474-P86(C)(Ex)	12.0	10.0	22.4	285	297

### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	MX3456-TU56(Ex)	5.0	4.0	9.6	164	164
2	MX3460-TU66(Ex)	6.0	4.9	11.5	165	165
3	MX3462-TU66(Ex)	6.0	4.9	11.5	166	166
4	MX3468-PU76(Ex)	9.0	7.3	16.3	267	279
5	MX3470-PU76(Ex)	9.0	7.3	16.3	267	279
6	MX3472-PU86(Ex)	12.0	10.0	22.4	292	304
7	MX3474-PU86(Ex)	12.0	10.0	22.4	292	304



# DN150 - K33...-4 pole

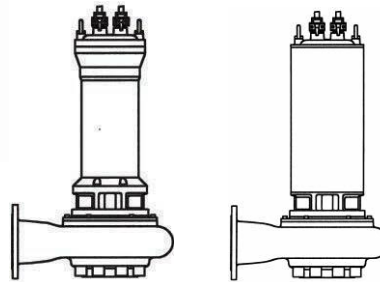


**Enclosed two channel impeller**

**80 mm Ø**

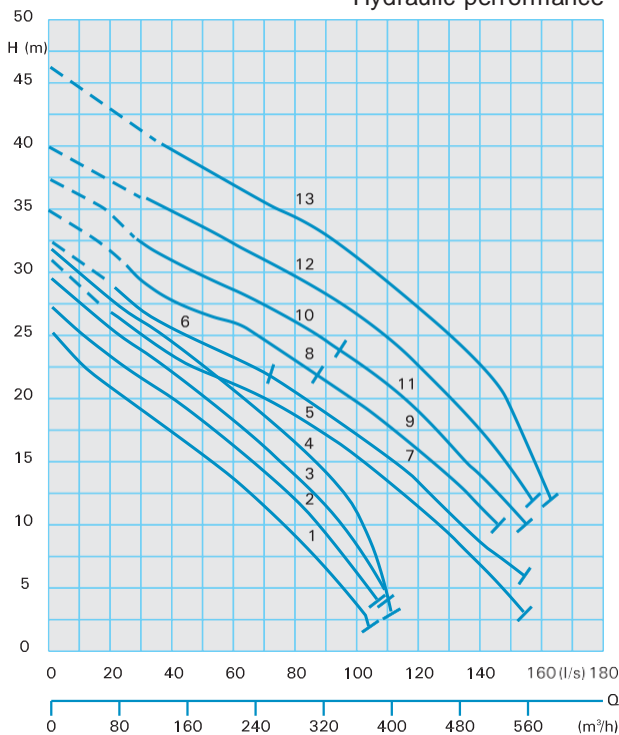
**Spherical clearance**

**1450 rpm**

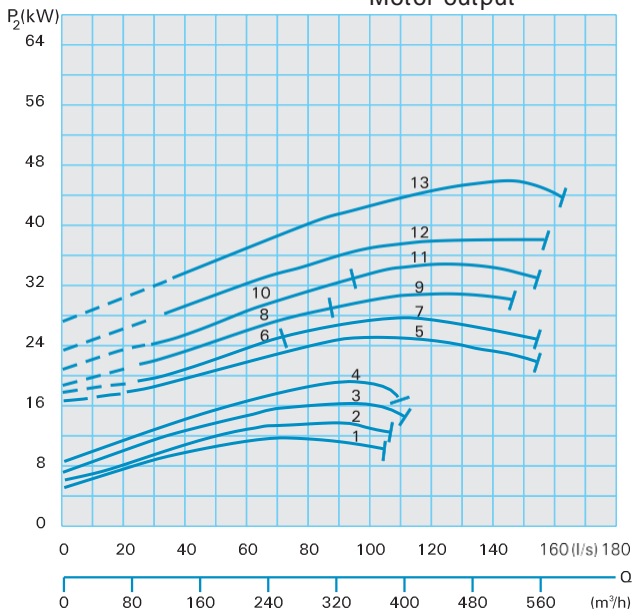


## Performance curves

Hydraulic performance



Motor output



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	K3352-P94(C)(Ex)	17.0	14.6	28.8	216	228
2	K3354-P94(C)(Ex)	17.0	14.6	28.8	216	228
3	K3356-P104(C)(Ex)	22.0	19.3	39.1	234	246
4	K3358-P104(C)(Ex)	22.0	19.3	39.1	234	246
5	K3360-F124(C)(Ex)	29.0	25.6	51.4	418	418
6	K3362-F124(C)(Ex)	29.0	25.6	51.4	418	418
7	K3362-F134(C)(Ex)	33.0	29.2	59.0	428	428
8	K3364-F134(C)(Ex)	33.0	29.2	59.0	428	428
9	K3364-F144(C)(Ex)	37.0	33.0	67.1	449	449
10	K3366-F144(C)(Ex)	37.0	33.0	67.1	449	449
11	K3366-G154(C)(Ex)	41.0	37.4	71.5	486	486
12	K3368-G154(C)(Ex)	41.0	37.4	71.5	486	486
13	K3370-G174(C)(Ex)	50.0	46.1	86.5	528	528

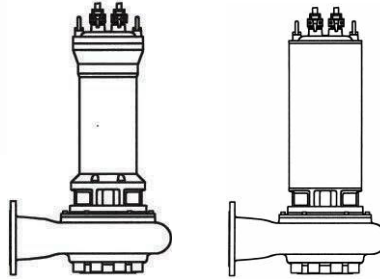
### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	K3352-PU94(Ex)	17.0	14.6	28.8	224	236
2	K3354-PU94(Ex)	17.0	14.6	28.8	224	236
3	K3356-PU104(Ex)	22.0	19.3	39.1	244	256
4	K3358-PU104(Ex)	22.0	19.3	39.1	244	256
5	K3360-FU124(Ex)	29.0	25.6	51.4	493	493
6	K3362-FU124(Ex)	29.0	25.6	51.4	493	493
7	K3362-FU134(Ex)	33.0	29.2	59.0	503	503
8	K3364-FU134(Ex)	33.0	29.2	59.0	503	503
9	K3364-FU144(Ex)	37.0	33.0	67.1	524	524
10	K3366-FU144(Ex)	37.0	33.0	67.1	524	524
11	K3366-GU154(Ex)	41.0	37.4	71.5	555	555
12	K3368-GU154(Ex)	41.0	37.4	71.5	555	555
13	K3370-GU174(Ex)	50.0	46.1	86.5	610	610

# DN150 - VX34...-4 pole

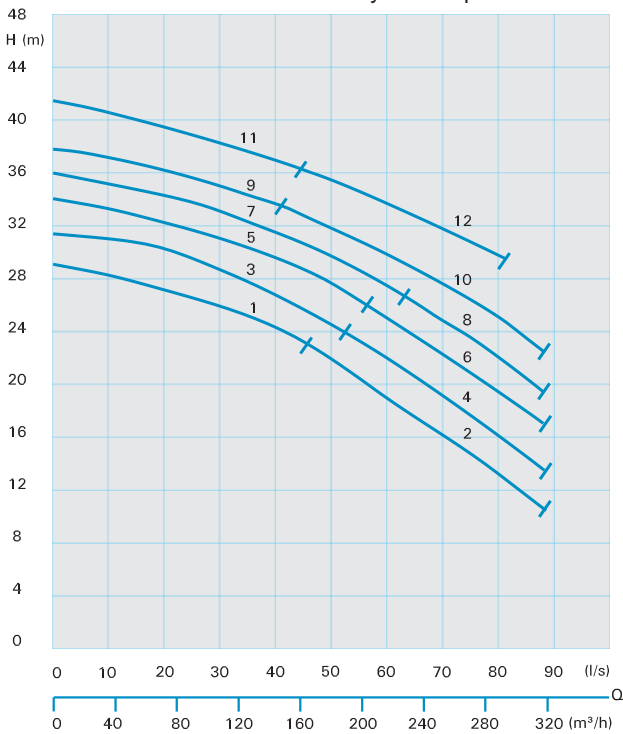


**Vortex impeller**  
**100 mm Ø**  
**Spherical clearance**  
**1450 rpm**

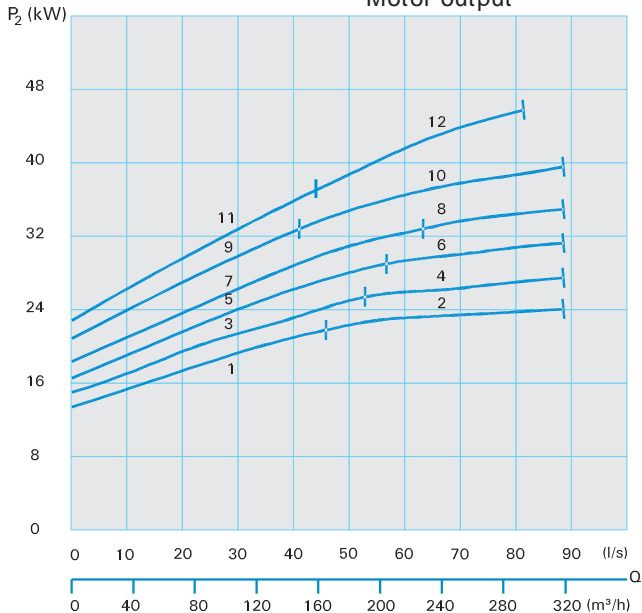


## Performance curves

Hydraulic performance



Motor output



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input	Motor output	Rated current	Weight standard	Weight Ex
		P <sub>1</sub> (kW)	P <sub>2</sub> (kW)	I <sub>N</sub> (A)	(kg)	(kg)
1	VX3460-F114(C)(Ex)	25.0	22.0	44.0	426	426
2	VX3460-F124(C)(Ex)	29.1	25.6	51.4	448	448
3	VX3463-F124(C)(Ex)	29.1	25.6	51.4	448	448
4	VX3463-F134(C)(Ex)	32.8	29.2	59.0	463	463
5	VX3466-F134(C)(Ex)	32.8	29.2	59.0	463	463
6	VX3466-F144(C)(Ex)	37.1	33.0	67.1	478	478
7	VX3468-F144(C)(Ex)	37.1	33.0	67.1	478	478
8	VX3468-G154(C)(Ex)	41.1	37.4	71.5	495	495
9	VX3470-F144(C)(Ex)	37.1	33.0	67.1	478	478
10	VX3470-G174(C)(Ex)	50.1	46.1	84.3	523	523
11	VX3471-G154(C)(Ex)	41.1	37.4	71.5	495	495
12	VX3471-G174(C)(Ex)	50.1	46.1	84.3	523	523

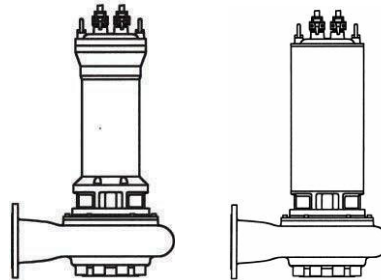
### Standard- and Explosion-proof model – Dry well installation

Curve No.	Pump type	Motor input	Motor output	Rated current	Weight standard	Weight Ex
		P <sub>1</sub> (kW)	P <sub>2</sub> (kW)	I <sub>N</sub> (A)	(kg)	(kg)
1	VX3460-FU114(Ex)	25.0	22.0	44.0	447	447
2	VX3460-FU124(Ex)	29.1	25.6	51.4	474	474
3	VX3463-FU124(Ex)	29.1	25.6	51.4	474	474
4	VX3463-FU134(Ex)	32.8	29.2	59.0	489	489
5	VX3466-FU134(Ex)	32.8	29.2	59.0	489	489
6	VX3466-FU144(Ex)	37.1	33.0	67.1	504	504
7	VX3468-FU144(Ex)	37.1	33.0	67.1	504	504
8	VX3468-GU154(Ex)	41.1	37.4	71.5	521	521
9	VX3470-FU144(Ex)	37.1	33.0	67.1	504	504
10	VX3470-GU174(Ex)	50.1	46.1	84.3	552	552
11	VX3471-GU154(Ex)	41.1	37.4	71.5	521	521
12	VX3471-GU174(Ex)	50.1	46.1	84.3	552	552

# DN150 - VX34...-6 pole

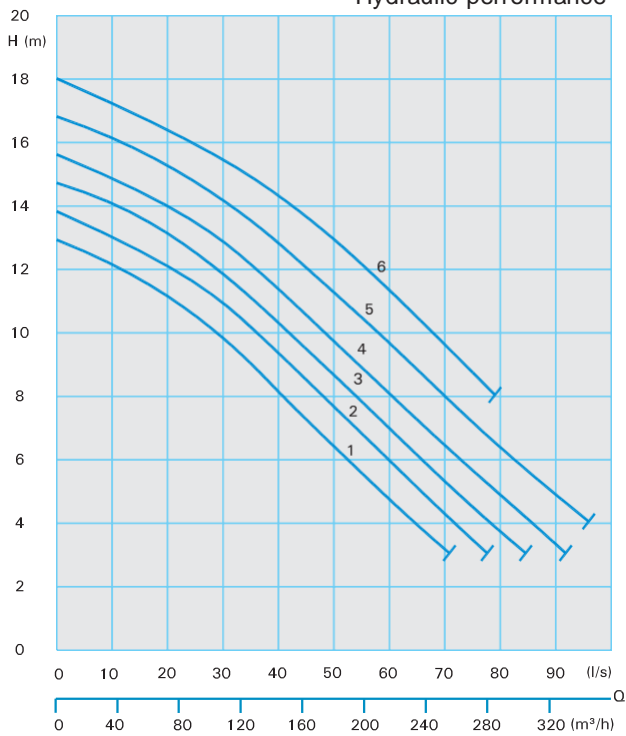


**Vortex impeller**  
**100 mm Ø**  
**Spherical clearance**  
**960 rpm**

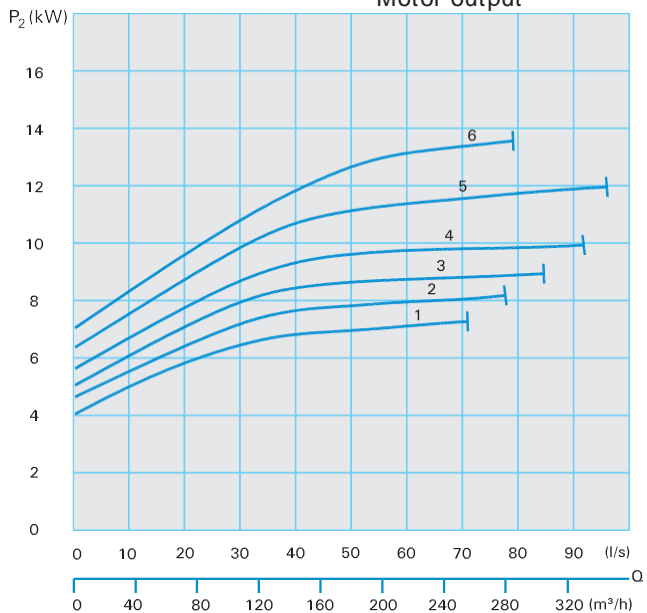


## Performance curves

Hydraulic performance



Motor output



## Technical data

### Standard- and Explosion-proof model – Wet well installation

Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	VX3460-P76(C)(Ex)	9.0	7.3	16.3	239	251
2	VX3463-P86(C)(Ex)	12.0	10.0	22.4	264	276
3	VX3466-P86(C)(Ex)	12.0	10.0	22.4	264	276
4	VX3468-P86(C)(Ex)	12.0	10.0	22.4	264	276
5	VX3470-P96(C)(Ex)	16.0	13.6	29.4	278	290
6	VX3471-P96(C)(Ex)	16.0	13.6	29.4	278	290

### Standard- and Explosion-proof model – Dry well installation

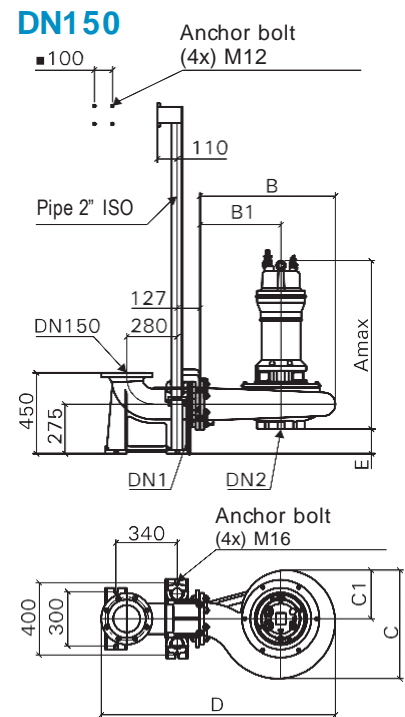
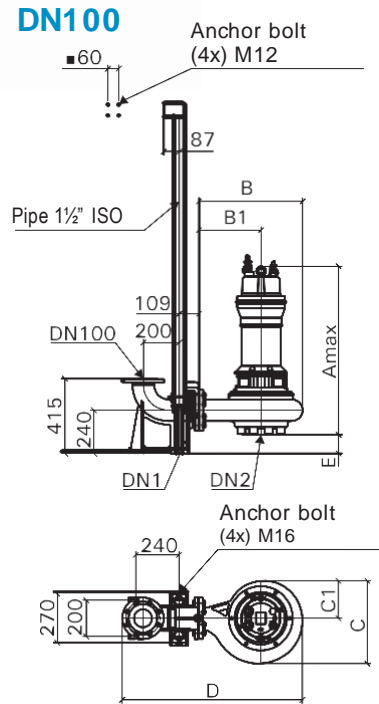
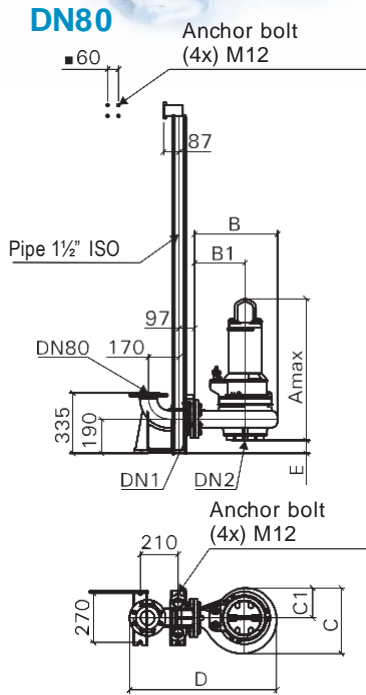
Curve No.	Pump type	Motor input P <sub>1</sub> (kW)	Motor output P <sub>2</sub> (kW)	Rated current I <sub>n</sub> (A)	Weight standard (kg)	Weight Ex (kg)
1	VX3460-PU76(Ex)	9.0	7.3	16.3	245	257
2	VX3463-PU86(Ex)	12.0	10.0	22.4	274	286
3	VX3466-PU86(Ex)	12.0	10.0	22.4	274	286
4	VX3468-PU86(Ex)	12.0	10.0	22.4	274	286
5	VX3470-PU96(Ex)	16.0	13.6	29.4	291	293
6	VX3471-PU96(Ex)	16.0	13.6	29.4	291	293

# Installations and Dimensions

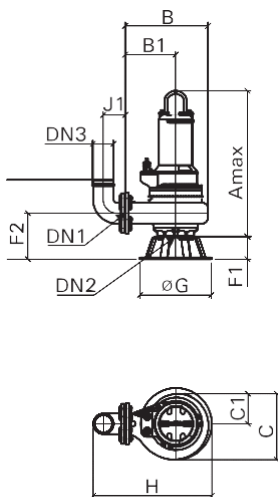
Pump type	DN1	DN2	DN3	Amax	B	B1	C	C1	D	E	F1	F2	F3	øG	H	
MX1330 to 36-T(U)... 2(Ex)	80	100	R3"AG	759	355	200	307	147	722	97	125	218	316	395	578	
MX1336 to 41-P(U)... 2(Ex)		100	R3"AG	1026	355	200	307	147	712	97	125	218	316	395	578	
MX1344-P(U)122(Ex)		100	R3"AG	1051	459	280	363	165	816	71	125	244	342	395	658	
MX1331 to 36-C24(Ex)		100	R3"AG	517	355	200	307	147	712	97	125	218	316	395	578	
MX1337 to 41-D44(Ex)		100	R3"AG	554	355	200	307	147	722	97	125	218	316	395	578	
MX1331 to 41-TU34(Ex)		100	R3"AG	693	355	200	307	147	712	97	125	218	316	395	578	
MX1337 to 41-TU36(Ex)		100	R3"AG	693	355	200	307	147	712	97	125	218	316	395	578	
MX1344 to 50-T(U)... 4(Ex)		100	R3"AG	791	459	280	363	165	816	71	125	244	342	395	658	
MX1344 to 50-T(U)26(Ex)		100	R3"AG	791	459	280	363	165	816	71	125	244	342	395	658	
V1332 to 39-T(U)... 2(Ex)		100	R3"AG	775	365	220	290	145	722	112	125	203	301	395	598	
V1342 to 46-P(U)... 2(Ex)		100	R3"AG	1035	408	250	316	158	775	112	125	203	301	395	628	
V1334 to 36-C24(Ex)		100	R3"AG	526	365	220	290	145	722	112	125	203	301	395	598	
V1344 to 46-D44(Ex)		100	R3"AG	563	408	250	316	158	775	112	125	203	301	395	628	
V1334 to 36-TU34(Ex)		100	R3"AG	702	365	220	290	145	722	112	125	203	301	395	598	
V1344 to 46-TU34(Ex)		100	R3"AG	702	408	250	316	158	775	112	125	203	301	395	628	
VX1345 to 46-T(U)... 4(Ex)		100	R3"AG	767	408	250	316	158	775	112	125	203	301	395	628	
MX2330 to 36-T(U)... 2(Ex)		100	100	R4"AG	766	355	200	307	147	779	147	125	218	403	395	577
MX2336 to 41-P(U)... 2(Ex)			100	R4"AG	1023	355	200	307	147	779	147	125	218	403	395	577
MX2344-P(U)122(Ex)	100		R4"AG	1051	459	280	363	165	883	122	125	244	429	395	657	
MX2346 to 50-F(U)...2(Ex)	100		R4"AG	1270	459	280	382	184	889	121	174	293	478	600	759	
MX2331 to 36-C24(Ex)	100		R4"AG	517	355	200	307	147	779	147	125	218	403	395	577	
MX2337 to 41-D44(Ex)	100		R4"AG	554	355	200	307	147	779	147	125	218	403	395	577	
MX2331 to 41-TU34(Ex)	100		R4"AG	691	355	200	307	147	779	147	125	218	403	395	577	
MX2344 to 50-T(U)... 4(Ex)	100		R4"AG	791	459	280	363	165	883	121	125	244	429	395	657	
M(X)2432 to 38-T(U)... 4(Ex)	100		R4"AG	745	422	265	323	147	846	117	125	248	433	395	642	
MX2444 to 48-T(U)... 4(Ex)	100		R4"AG	814	459	280	363	165	883	110	125	255	440	395	657	
MX2452 to 62-P(U)... 4(Ex)	150		R4"AG	1084	576	345	457	207	1000	105	125	260	445	450	755	
MX2436 to 38-T(U)36(Ex)	100		R4"AG	745	422	265	323	147	846	117	125	248	433	395	642	
MX2446 to 48-T(U)36(Ex)	100		R4"AG	814	459	280	363	165	883	110	125	255	440	395	657	
MX2452 to 62-T(U)... 6(Ex)	150		R4"AG	831	576	345	457	207	1000	105	125	260	445	450	755	
V2332 to 39-T(U)... 2(Ex)	100		R4"AG	702	385	240	290	145	799	152	125	213	398	395	617	
V2342 to 46-P(U)... 2(Ex)	100		R4"AG	1035	438	280	316	158	862	152	125	213	398	395	657	
V2334 to 36-C24(Ex)	100		R4"AG	526	385	240	290	145	799	152	125	213	398	395	617	
V2344 to 46-D44(Ex)	100		R4"AG	563	438	280	316	158	862	152	125	213	398	395	657	
V2334 to 36-TU34(Ex)	100		R4"AG	702	385	240	290	145	799	152	125	213	398	395	617	
V2344 to 46-TU34(Ex)	100		R4"AG	702	438	280	316	158	862	152	125	213	398	395	657	
VX2345 to 46-T(U)... 4(Ex)	100		R4"AG	774	438	280	316	158	862	152	125	213	398	395	657	
V2436-T(U)34(Ex)	100		R4"AG	745	422	265	323	147	846	117	125	248	433	395	642	
V2437 to 45-T(U)... 4(Ex)	100		R4"AG	814	459	280	363	165	883	110	125	255	440	395	657	
V2442 to 46-P(U)... 4(Ex)	100		R4"AG	984	459	280	363	165	883	110	125	255	440	395	657	
VX24(36-39)-D54(Ex)	100		R4"AG	630	410	250	296	148	834	140	125	225	410	395	626	
VX24(36-39)-TU44(Ex)	100		R4"AG	731	410	250	296	148	834	140	125	225	410	395	626	
VX24(40-44)-T(U)... 4(Ex)	100		R4"AG	804	460	280	336	168	1029	175	125	225	410	395	657	
VX24(44-46)-P(U)... 4Ex	100		R4"AG	914	460	280	336	168	884	140	125	225	410	395	657	
V2452 to 56-P(U)94(Ex)	150	R4"AG	994	576	345	457	207	1000	105	125	260	445	450	755		
VX24(52-58)-P(U)... 4(Ex)	150	R4"AG	1098	555	345	410	205	979	130	125	235	420	450	749		
K3352 to 58-P(U)... 4(Ex)	150	150	R6"AG	1084	608	370	468	209	1156	140	125	260	546	450	965	
K3360 to 66-F(U)... 4(Ex)		150	R6"AG	1308	753	450	599	268	1302	136	174	313	584	600	1168	
K3366 to 70-G(U)... 4(Ex)		150	R6"AG	1364	753	450	599	268	1302	136	174	313	584	600	1168	
K3366 to 70-P(U)96(Ex)		150	R6"AG	1088	753	450	599	268	1302	136	136	264	535	450	1168	
MX3452 to 62-P(U)... 4(Ex)		150	R6"AG	1084	608	370	468	209	1156	140	125	260	546	450	965	
MX3468 to 74-F(U)... 4(Ex)		150	R6"AG	1201	690	420	547	241	1239	137	174	312	598	600	1077	
MX3456 to 62-T(U)... 6(Ex)		150	R6"AG	831	608	370	468	209	1158	140	125	260	546	450	966	
MX3468 to 74-P(U)... 6(Ex)		150	R6"AG	1016	690	420	547	241	1239	137	125	263	549	450	1047	
VX3460 to 70-F(U)... 4(Ex)		200	R6"AG	1353	620	380	464	232	1170	145	250	380	666	600	1037	
VX3468 to 71-G(U)... 4(Ex)		200	R6"AG	1409	620	380	464	232	1170	145	250	380	666	600	1037	
VX3460 to 71-P(U)... 6(Ex)		200	R6"AG	1133	620	380	464	232	1170	145	250	380	666	600	1037	

	J1	J2	K1	K2	K3	K4	L	M	O	P1	P2	Q	Rmax	S1	S3	Tmax	Umax	V1
	137	167	148	357	450	615	195	400	687	200	400	93	699	280	95	548	648	260
	137	167	148	357	450	615	195	400	687	200	400	93	948	280	95	796	896	310
	137	167	148	357	476	641	195	400	767	200	480	119	1063	280	95	886	986	310
	137	167																
	137	167																
	137	167	148	357	450	615	195	400	687	200	400	93	627	280	95	475	575	260
	137	167	148	357	450	615	195	400	687	200	400	93	627	280	95	475	575	260
	137	167	148	357	476	640	195	400	767	200	480	121	726	280	95	548	648	260
	137	167	148	357	476	640	195	400	767	200	480	121	726	280	95	548	648	260
	137	167	148	357	435	599	195	400	707	200	420	250	882	360	110	738	843	260
	137	167	148	357	435	600	195	400	897	200	450	250	1219	360	110	1075	1180	310
	137	167																
	137	167																
	137	167	148	357	435	600	195	400	707	200	420	250	809	360	110	663	768	260
	137	167	148	357	435	600	195	400	737	200	450	250	809	360	110	663	768	260
	137	167	148	357	435	600	195	400	737	200	450	250	809	360	110	736	841	260
	122	197	148	357	450	645	195	400	727	200	400	93	698	280	95	542	642	260
	122	197	148	357	450	645	195	400	727	200	400	93	1035	280	95	883	983	310
	122	197	148	357	475	670	195	400	807	200	480	119	1063	280	95	886	986	310
	122	197	148	357	475	670	195	400	807	200	480	119	1282	280	95	1087	1187	360
	122	197																
	122	197																
	122	197	148	357	450	645	195	400	727	200	400	93	625	280	95	469	569	260
	122	197	148	357	475	670	195	400	807	200	480	118	726	280	95	548	648	260
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	122	197	148	357	487	681	195	400	807	200	480	130	749	280	95	560	660	260
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	122	197																
	122	197																
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	122	197	148	357	487	681	195	400	807	200	480	130	749	280	95	560	660	260
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	122	197																
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	122	197	205	500	637	832	197	520	942	250	595	135	1006	350	120	842	952	310
	122	197	205	502	612	806	197	520	941	230	575	110	1110	380	115	941	1046	310
	273	273	205	502	637	908	283	520	1076	315	765	139	1096	450	120	902	1012	310
	273	273	200	502	641	912	283	560	1191	315	765	139	1323	450	120	1106	1216	360
	273	273	200	502	641	912	283	560	1191	315	765	139	1379	450	120	1144	1254	410
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	273	273	205	502	637	908	283	520	1076	250	620	135	1096	350	120	902	1012	310
	273	273	200	502	640	911	283	560	1161	310	730	138	1213	350	90	998	1098	360
	273	273	205	502	637	908	283	520	1076	250	620	135	766	350	120	572	682	260
	273	273	205	502	640	911	283	520	1126	310	730	138	1028	350	90	831	931	310
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	273	273	301	692	822	1093	367	560	1121	260	640	130	1424	380	115	1197	1302	410
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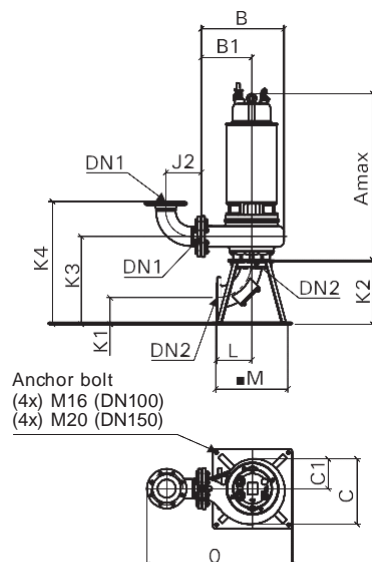
## Wet well installation with auto-coupling system



## Wet well installation with base stand

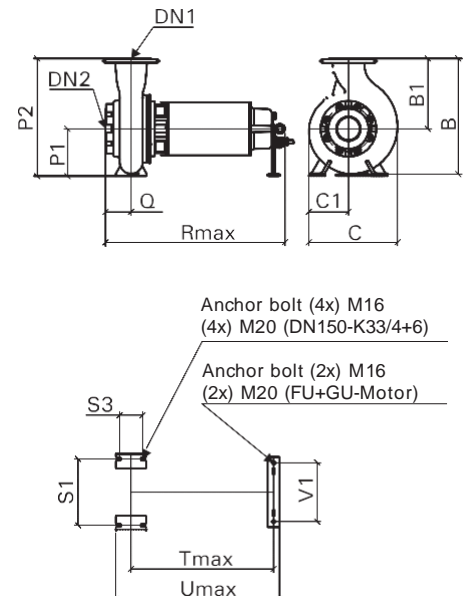


## Dry well installation vertical

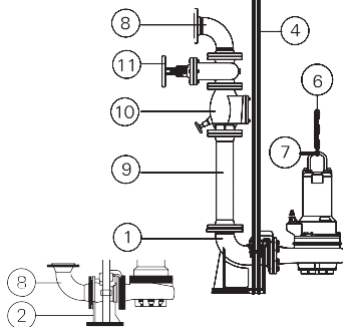


## Dry well installation horizontal

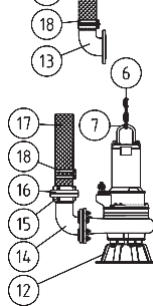
Range V13+23/2+4  
Separate support flanged to pump housing



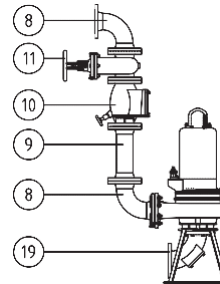
## Permanent wet well installation with autocoupling system



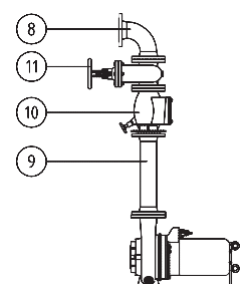
## Portable wet well installation



## Permanent dry well installation vertical



## Permanent dry well installation horizontal



No.	Description	Type	Dimension	Part No.	No.	Description	Typ	Dimension	Part No.		
1	Auto-coupling system, cast iron, consisting of auto-coupling with flanged elbow, flanged pump coupling and upper slide rail bracket	KK 80/ 80	DN 80	8604025	10	Flanged swing check valve, cast iron	DN 80	2212807			
		KK 80/100	DN 80/DN100	8604030			DN100	2212809			
		KK 100/100	DN100	8604055			DN125	2212810			
		KK 100/ 80	DN100/DN 80	8604060			DN150	2212811			
		KK 150/150	DN150	8604070			DN200	2212816			
		KK 150/100	DN150/DN100	8603632							
		KK 200/150	DN200/DN150	8604105							
		- Cast iron	KKR 80/ 80	DN 80		8604025	11	Flanged gate valve, cast iron	DN100	2216100	
		- Cast iron, upper slide-rail bracket	KKR 80/100	DN 80/DN100		8604031			DN125	2216125	
		Stainless Steel	KKR 100/100	DN100		8604056			DN150	2216150	
			KKR 100/ 80	DN100/100		8604061			DN200	2216200	
			KKR 150/150	DN150		8604071					
	KKR 150/100	DN150/100	8604073	12	Ring base stand up to 16,9 kW (P2) from 17,0 kW (P2)	NB 100 A	DN100	7321215			
	KKR 200/150	DN200/150	8604106			NB 150 A	DN150	7321285			
	KKR 200/150	DN200/150	8604106			NB 150	DN150	7321275			
	- complete Stainless Steel	KKC 80/ 80	DN 80	8604027	13	Flanged spigot elbow with gasket and fixing bolts		DN100/110mm	6001141		
		KKC100/100	DN100	8604057							
		KKC150/150	DN150	8604072							
2	Auto-coupling system consisting of auto-coupling with horizontal discharge flange, flanged pump coupling and upper slide rail bracket	KS 80/ 100	DN 80/DN100	8604045	14	90° Flanged elbow		BSP3"F/M	2111805		
		KS 100/100	DN100	8604065			Double nipple	BSP3"M	2128030		
		KS 150/150	DN150	8604075			Threaded flange	DN80/BSP3"F	2215080		
		KS 200/150	DN 200/DN150	8604083			Flanged to thread elbow with gasket and fixing bolts	DN100xBSP4"M	6001121		
								DN150xBSP6"M	6001205		
	Intermittent slide rail bracket		1½" for DN 80	7322901	15	STORZ-fixed coupling		B-BSP3"M	2010603		
	- Cast iron		1½" for DN100	7322931				B-BSP3"F	2010602		
			2" for DN150	7320121A				A-BSP4"F	2010701		
			2½" for DN200	7322911				F-BSP6"F	2010961		
	- Stainless steel		1½" for DN 80	7323854A			16	STORZ-hose coupling with spigot		B-75 mm	2013502
			1½" for DN100	7320355A						A-110 mm	2013801
			2" for DN150	7320355A		F-150 mm			2013901		
			2½" for DN200	7323974A							
			1½" for DN80/100	2190254		STORZ-reducer			A - B	2015612	
			2" for DN150	2190256					F - A	2015622	
			2½" for DN200	2190258	17	Reinforced hose, per m (inner dia. in mm)		75 mm	2632075		
								110 mm	2632110		
								150 mm	2632150		
						Hose with pre-attached couplings		on request			
4	Guide rails, pair, per meter		1½" for DN80/100	2190155	18	Hose bands		S 85/20	2308520		
			2" for DN150	2190205				S 00/20	2310020		
			2½" for DN200	2190225				1 15/20	2311520		
							1 18/20	2311820			
	- Stainless steel		1½" for DN80/100	2190254				S 72/20	2317520		
			2" for DN150	2190256	19		Flanged pump stand with gasket and fixing bolts		1		
			2½" for DN200	2190258				1			
								1			
								1			
								1			
								1			
6	Lifting chain, Galvanized steel, per meter		5 mm Ø	2800350	19	Pump stand with suction elbow, cleaning hole, gasket and fixing bolts	TVS 100 A (up to 28kW)	DN100	7321705		
			8 mm Ø	2800380							
			10 mm Ø	2800410							
			8 mm Ø	2800384							
			10 mm Ø	2800386							
	Stainless steel AISI316 (A4), per meter		8 mm Ø	2800384							
			10 mm Ø	2800386							
7	Galvanized steel shackle		f. 5 mm Ø	2801450	20	Screw kit with gaskets Gavanized steel		DN 80	2214080		
			f. 8 mm Ø	2801380				DN100	2214100		
			f. 10 mm Ø	2801410				DN150	2214150		
	Stainless steel shackle AISI316 (A4)		f. 8 mm Ø	2801384	21		Stainless steel		DN 80	2214082	
			f. 10 mm Ø	2801386					DN100	2214102	
									DN150	2214152	
8	90° flanged elbow		DN 80	2153302	22	Flanged discharge pipe, 1 m, with gasket and fixing bolts		DN 80	2152081		
			DN 100	2153303				DN 100	2152201		
			DN 150	2153353				DN 125	2152221		
			DN 200	2153363				DN 150	2152251		
								DN 200	2152271		
	or flanged y-piece for twin pump arrangement, horizontal discharge (optional with vertical discharge) with gasket and fixing bolts		DN 80/ 80/ 80	on request							
			DN 80/ 80/100								
			DN 100/100/100								
			DN 100/100/125								
			DN 100/100/150								
			DN 150/150/150								
			DN 200/200/200								
9	Flanged discharge pipe, 1 m, with gasket and fixing bolts		DN 80	2152081	23	Discharge pipe, per additional meter		DN 80	2150180		
			DN 100	2152201				DN 100	2150100		
			DN 125	2152221				DN 125	2150125		
			DN 150	2152251				DN 150	2150150		
			DN 200	2152271				DN 200	2150200		
	Flanged reducer		on request								

Stainless steel pipes, fittings on request.

Electrical or electronic control panels for pumps and pump stations with accessories on request.

Sumps of concrete or synthetic material for complete pump stations please see special leaflet.