



better together

50Hz

X - B - Y series

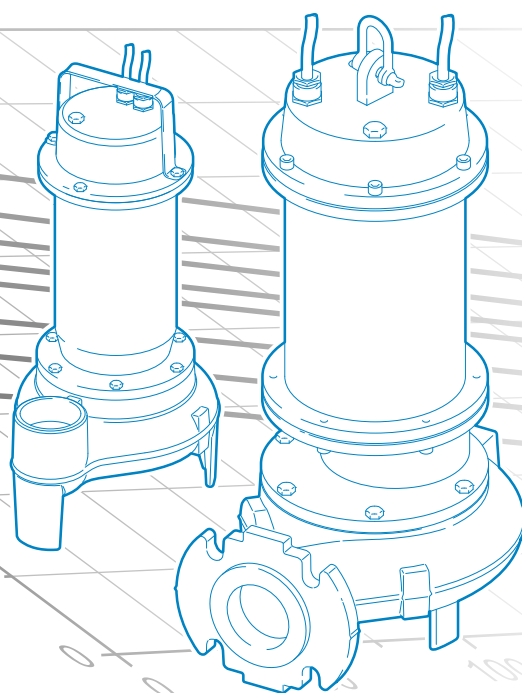
DGX

DRX

DGB

DRB

DRY



D A T A B O O K L E T

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EN

X Series

General characteristics



- AISI 316 stainless steel lifting and carrying handle.
- CF-8M steel construction which makes the pump suitable for use in saline environments.
- Oil-bath motor with thermal protections.
- Shielded ball bearings with lifetime autolubrication
- Two mechanical seals in silicon carbide (2SiC).
- Wide free passage allowing the expulsion of solids and preventing fouling of the impeller (DGO)
- Intake strainer in stainless steel (DRO)

Hydraulic families



DG (Draga)

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- Vortex impeller in CF-8M steel.
- Ideal for lifting strongly corrosive or aggressive strained liquids, especially in the chemical industry. Intended for specific industrial applications.



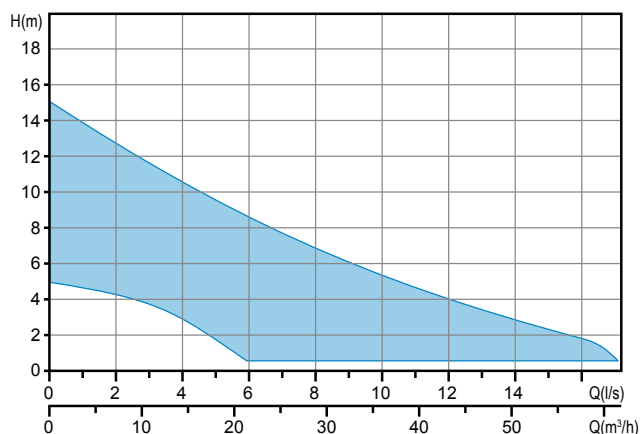
DR (Dreno)

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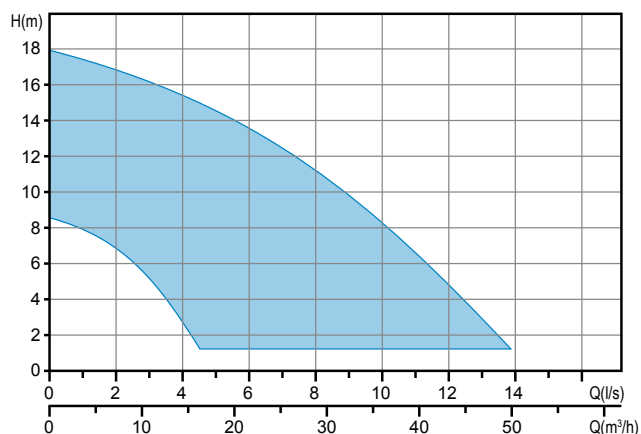
- Multichannel open impeller in CF-8M steel.
- Designed for the treatment of strongly corrosive or chemically aggressive liquids, especially in the chemical industry, this unit is for a specific industrial application.

Operating ranges

DGX



DRX



Versions available

• Electrical variants

Single-phase models

T	Thermal protection
TCST	Thermal protection, capacitor, electrical cabinet, overload protection
TCSGT	Thermal protection, capacitor, float switch, electrical cabinet, overload protection

Three-phase models

NAE	No electric accessories installed
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• Cooling system

N	No cooling and/or seal flushing system
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• Set of mechanical seals

2SiC	Two mechanical seals in silicon carbide (2SiC).
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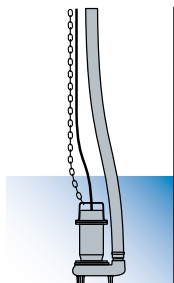
Key to product code

DRX 50/2/G32V A0BM5

① ② ③ (A) (B) (C) ④ ⑤ ⑥ ⑦ ⑧ ⑨

- | | |
|--------------------------------|----------------------------------|
| ① Family | ⑤ Hydraulic model |
| ② Series | ⑥ Version number |
| ③ Power (HPx100) / motor poles | ⑦ Motor size |
| ④ Delivery rate | ⑧ Motor phases |
| (A) TYPE (GAS thread/Flanged) | M = Single-phase |
| (B) DIAMETER (mm) | T = Three-phase |
| (C) POSITION | ⑨ Power supply voltage frequency |
| V = vertical | 5 = 50Hz |
| H = horizontal | 6 = 60Hz |

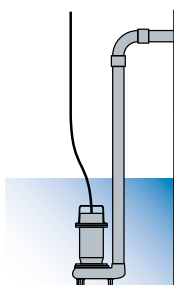
Installations



Free installation

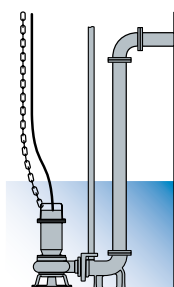
The electric pump, standing on its feet or base, is connected to the delivery flexible pipe using a joint fixed to the discharge.

This installation allows to move easily the electrical pump



Fixed installation

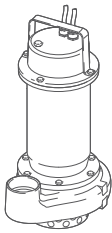
The electric pump, standing on its feet or base, is connected to the delivery pipe, which is screwed to the discharge if threaded, or fixed to a bend if the port is flanged. The pump-hose connection may be threaded or flanged, depending on the pump fitting.



Installation with base coupling foot

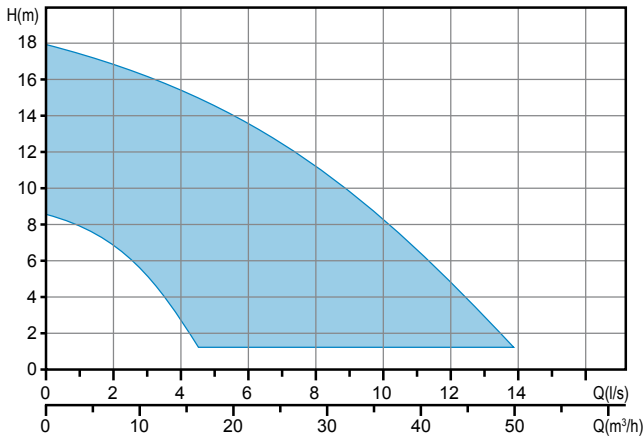
For submerged installation, available for electric pumps with flanged or threaded horizontal discharge. The coupling device is fixed to the bottom of the tank and the pump is lowered in with the aid of two guide pipes fitted earlier, until the connection to the foot is completed. The delivery pipe is fixed to the coupling device discharge.

This device makes routine checks, any maintenance work or replacement of the pump extremely easy, with no need to empty the tank.



Pumps with multi-channel open impeller

Operating ranges



Range characteristics

Motor power	0.37 ÷ 1.5 kW
Poles	2
Insulation class	F
Degree of protection	IP68
Discharge	GAS 1 ¼ ÷ 2" vertical
Free passage	max 15 mm
Max flow rate	12.5 l/s (750 l/min)
Max head	17.8 m

Motor

Oil bath motor with thermal protections.

Cable

H07RN-F 4G1 - 5 m cable length. Optional 10 m cable length.

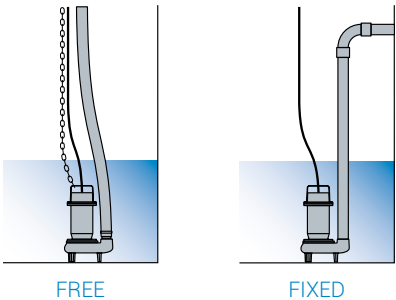
Mechanical seals

Two silicon carbide mechanical seals (2SiC)

Applications

Designed for the treatment of strongly corrosive or chemically aggressive liquids, especially in the chemical industry, this unit is for a specific industrial application.

Installations



Versions

Electrical variants	T, TCST, TCSGT (single-phase models) NAE (three-phase models)
Cooling system	N
Mechanical seals	SICAL

Operating specifications

Max operating temperature	40 °C
PH of treated fluid	3 ÷ 14
Viscosity of treated fluid	1 mm²/s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm³
Acoustic pressure max	<70dB
Max starts per hour	30

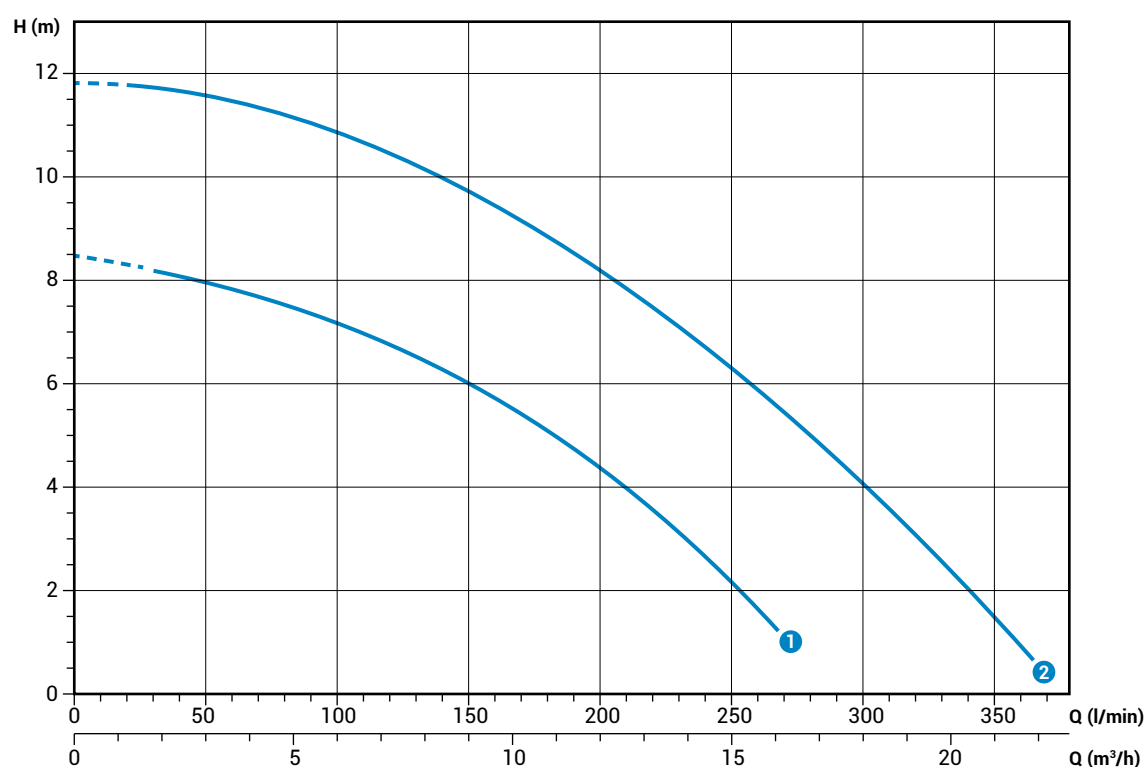
Construction materials

Case	Cast stainless steel - CF-8M (AISI 316)
Hydraulic parts	Cast stainless steel - CF-8M (AISI 316)
Impeller	Stainless steel
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - VITON
Shaft	Stainless steel - AISI 316
Paint type	-

DRX 2/G32V

Performances

	l/s	0	1	2	3	4	5	6
	l/min	0	60	120	180	240	300	360
	m³/h	0	3.6	7.2	10.8	14.4	18.0	21.6
① DRX 50/2/G32V A0CM(T)5		8.5	7.8	6.7	5.1	2.6		
② DRX 75/2/G32V A0CM(T)5		11.8	11.5	10.5	8.9	6.7	4.1	1.0



Characteristic curves according to UNI EN ISO 9906

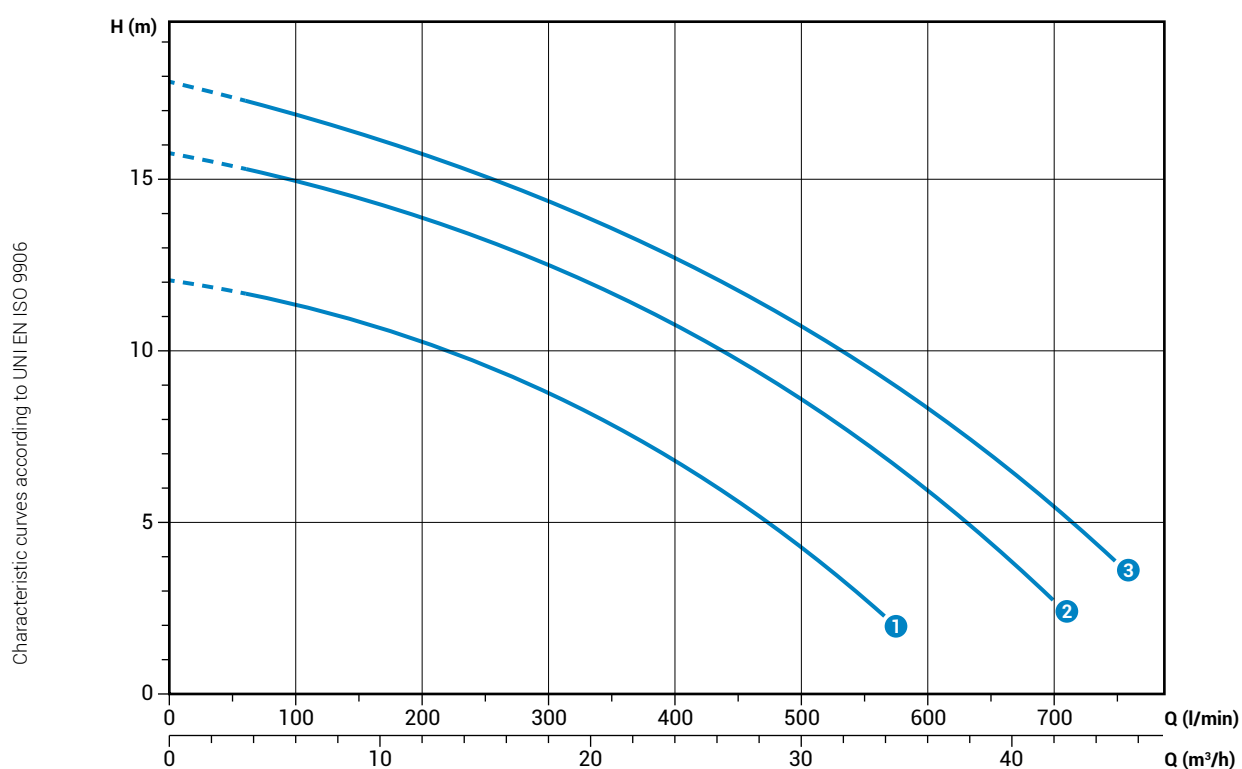
Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DRX 50/2/G32V A0CM5	230	1	-	0.37	2.9	2900	Dir	4G1	G 1 ¼"	15 mm
② DRX 75/2/G32V A0CM5	230	1	-	0.55	3.9	2900	Dir	4G1	G 1 ¼"	15 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DRX 50/2/G32V A0CT5	400	3	-	0.37	1.1	2900	Dir	4G1	G 1 ¼"	15 mm
② DRX 75/2/G32V A0CT5	400	3	-	0.55	1.4	2900	Dir	4G1	G 1 ¼"	15 mm

DRX 2/G50V**Performances**

	l/s	0	2	4	6	8	10	12
	l/min	0	120	240	360	480	600	720
	m ³ /h	0	7.2	14.4	21.6	28.8	36	43.2
① DRX 100/2/G50V A0CM(T)5		12.0	11.1	9.7	7.6	4.8		
② DRX 150/2/G50V A0CM(T)5		15.8	14.8	13.4	11.5	9.0	5.9	
③ DRX 200/2/G50V A0CM(T)5		17.8	16.7	15.2	13.4	11.1	8.3	4.8

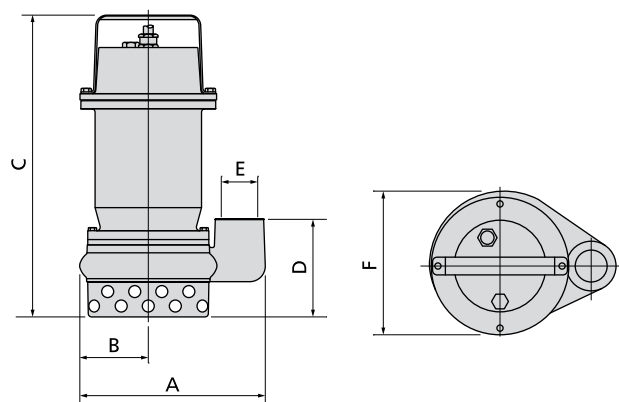
**Technical data**

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DRX 100/2/G50V A0CM5	230	1	-	0.88	6.5	2900	Dir	4G1	G 2"	15 mm
② DRX 150/2/G50V A0CM5	230	1	-	1.1	8.2	2900	Dir	4G1	G 2"	15 mm
③ DRX 200/2/G50V A0CM5	230	1	-	1.5	9.3	2900	Dir	4G1	G 2"	15 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DRX 100/2/G50V A0CT5	400	3	-	0.88	2.3	2900	Dir	4G1	G 2"	15 mm
② DRX 150/2/G50V A0CT5	400	3	-	1.1	2.7	2900	Dir	4G1	G 2"	15 mm
③ DRX 200/2/G50V A0CT5	400	3	-	1.5	3.5	2900	Dir	4G1	G 2"	15 mm

DRX

Overall dimensions and weights



	A	B	C	D	E	F	
DRX 50/2/G32V A0CM(T)5	210	75	340	110	G 1 1/4"	160	17
DRX 75/2/G32V A0CM(T)5	210	75	340	110	G 1 1/4"	160	17
DRX 100/2/G50V A0CM(T)5	265	100	390	125	G 2"	190	21
DRX 150/2/G50V A0CM(T)5	265	100	390	125	G 2"	190	23
DRX 200/2/G50V A0CM(T)5	265	100	390	125	G 2"	190	23

Dimensions in mm

Packaging dimension



	X	Y	Z
DRX 50/2/G32V A0CM5	225	385	245
DRX 75/2/G32V A0CM5	225	385	245
DRX 100/2/G50V A0CM5	285	475	235
DRX 150/2/G50V A0CM5	285	475	235
DRX 200/2/G50V A0CM5	285	475	235
DRX 50/2/G32V A0CT5	225	385	245
DRX 75/2/G32V A0CT5	225	385	245
DRX 100/2/G50V A0CT5	285	475	235
DRX 150/2/G50V A0CT5	285	475	235
DRX 200/2/G50V A0CT5	285	475	235

Dimensions in mm