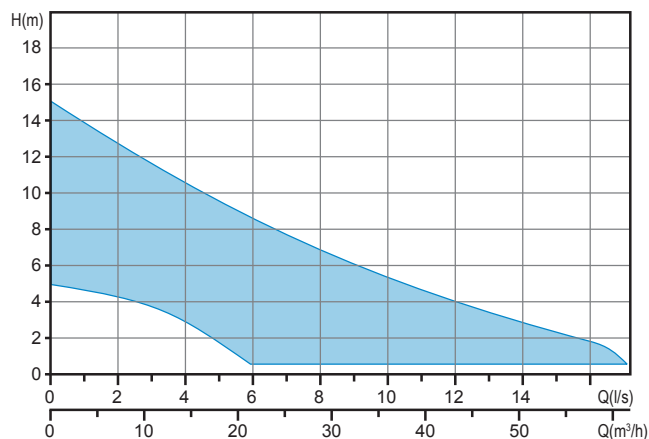


Pumps with vortex impeller

Operating ranges



Range characteristics

Motor power	0.37 ÷ 1.5 kW
Poles	2 / 4
Insulation class	F
Degree of protection	IP68
Discharge	GAS 2" vertical DN65 - DN80 horizontal
Free passage	max 60 mm
Max flow rate	18.4 l/s (1104 l/min)
Max head	14.9 m

Motor

Oil bath motor with thermal protections.

Cable

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

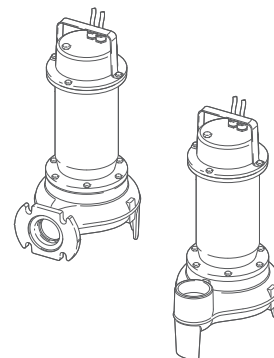
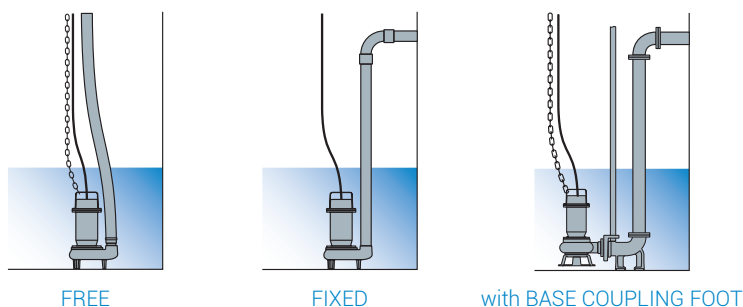
Mechanical seals

Two silicon carbide mechanical seals (2SiC)

Applications

Ideal for lifting strongly corrosive or aggressive strained liquids, especially in the chemical industry. Intended for specific industrial applications.

Installations



Versions

Electrical variants	T, TCST, TCSGT (single-phase models) NAE (three-phase models)
Cooling system	N
Mechanical seals	2SiC

Operating specifications

Max operating temperature	40 °C
PH of treated fluid	5 ÷ 10
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

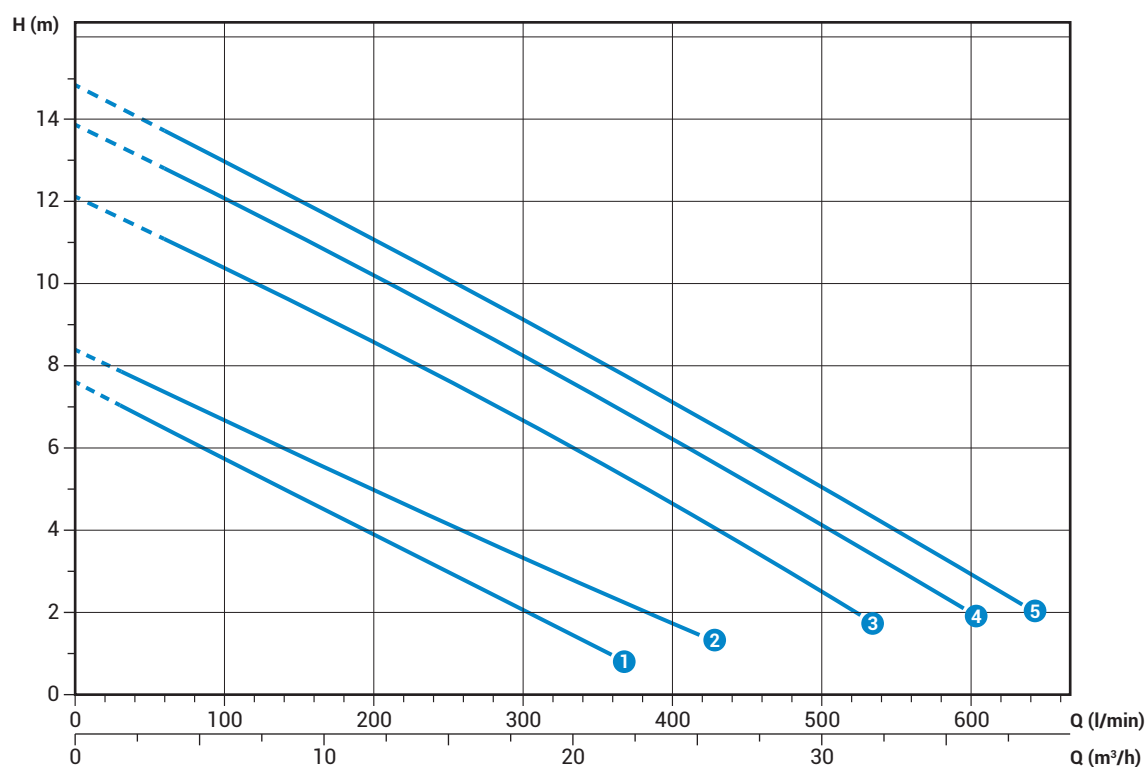
Construction materials

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	-

DGX 2/G50V

Performances

	l/s	0	1	2	3	4	5	6	7	8	9	10
	l/min	0	60	120	180	240	300	360	420	480	540	600
	m³/h	0	3.6	7.2	10.8	14.4	18.0	21.6	25.2	28.8	32.4	36.0
① DGX 50/2/G50V A0CM(T)5		7.6	6.5	5.4	4.3	3.2	2.1					
② DGX 75/2/G50V A0CM(T)5		8.4	7.4	6.3	5.3	4.3	3.3	2.4				
③ DGX 100/2/G50V A0CM(T)5		12.1	11.1	10.0	8.9	7.8	6.7	5.4	4.2	2.9		
④ DGX 150/2/G50V A0CM(T)5		13.9	12.8	11.7	10.6	9.4	8.2	7.0	5.8	4.6	3.3	
⑤ DGX 200/2/G50V A0CM(T)5		14.9	13.7	12.6	11.5	10.3	9.1	7.9	6.7	5.5	4.2	2.9



Characteristic curves according to UNI EN ISO 9906

Technical data

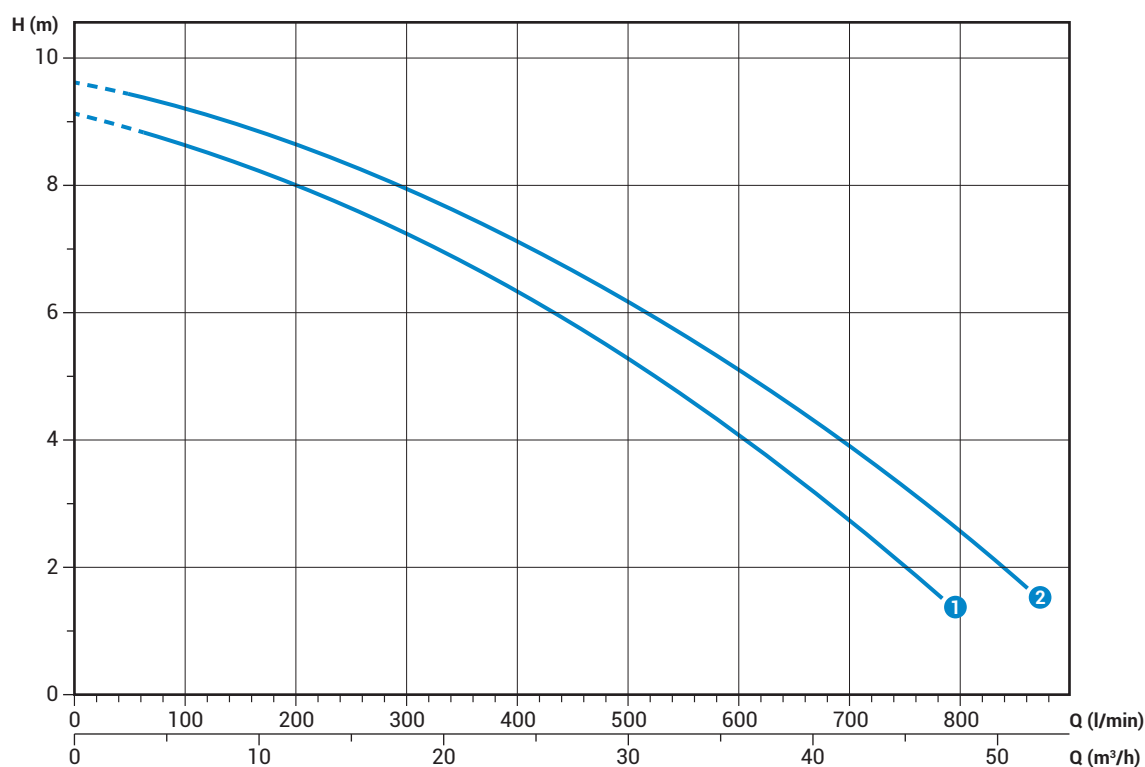
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGX 50/2/G50V A0CM5	230	1	-	0.37	2.9	2900	Dir	4G1	G 2"	38 mm
② DGX 75/2/G50V A0CM5	230	1	-	0.55	3.9	2900	Dir	4G1	G 2"	38 mm
③ DGX 100/2/G50V A0CM5	230	1	-	0.88	6.5	2900	Dir	4G1	G 2"	38 mm
④ DGX 150/2/G50V A0CM5	230	1	-	1.1	8.2	2900	Dir	4G1	G 2"	38 mm
⑤ DGX 200/2/G50V A0CM5	230	1	-	1.5	9.3	2900	Dir	4G1	G 2"	38 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGX 50/2/G50V A0CT5	400	3	-	0.37	1.1	2900	Dir	4G1	G 2"	38 mm
② DGX 75/2/G50V A0CT5	400	3	-	0.55	1.42	2900	Dir	4G1	G 2"	38 mm
③ DGX 100/2/G50V A0CT5	400	3	-	0.88	2.3	2900	Dir	4G1	G 2"	38 mm
④ DGX 150/2/G50V A0CT5	400	3	-	1.1	2.7	2900	Dir	4G1	G 2"	38 mm
⑤ DGX 200/2/G50V A0CT5	400	3	-	1.5	3.5	2900	Dir	4G1	G 2"	38 mm

DGX 2/65

Performances

	l/s	0	2	4	6	8	10	12	14
	l/min	0	120	240	360	480	600	720	840
	m³/h	0	7.2	14.4	21.6	28.8	36.0	43.2	50.4
①	DGX 150/2/65 A0CM(T)5	9.1	8.5	7.7	6.7	5.5	4.1	2.5	
②	DGX 200/2/65 A0CM/(T)5	9.6	9.1	8.4	7.5	6.4	5.1	3.7	2.0



Technical data

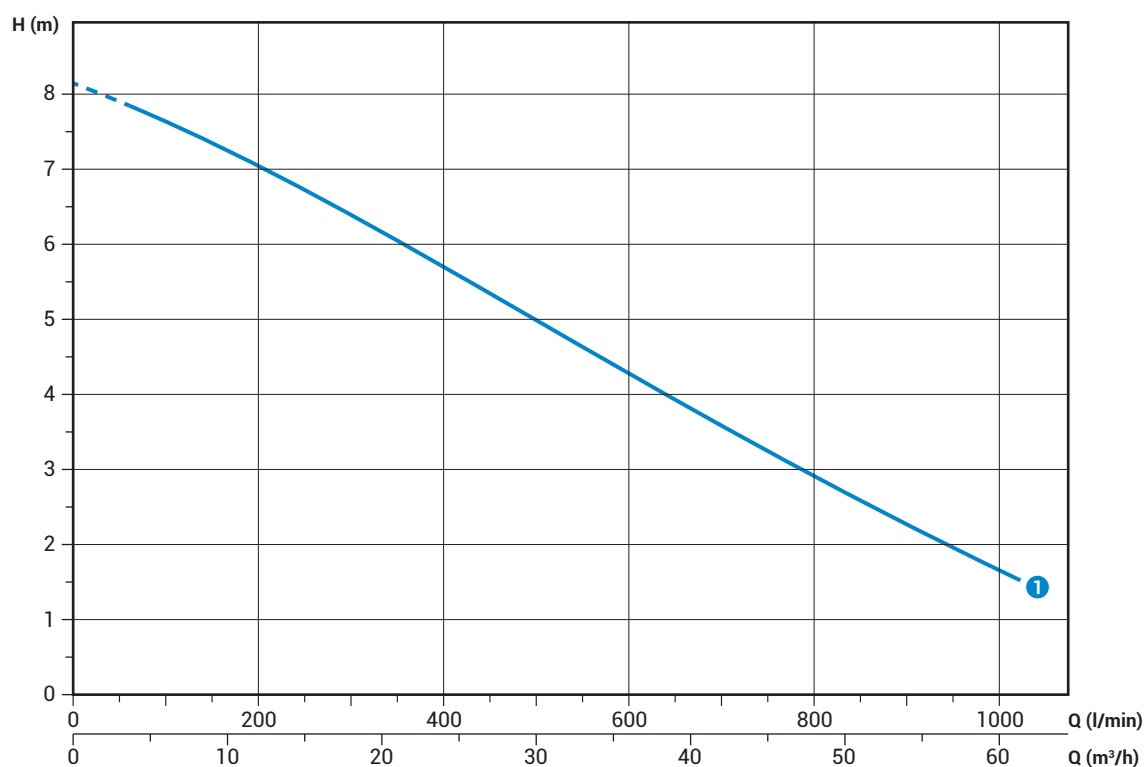
		V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
①	DGX 150/2/65 A0CM5	230	1	-	1.1	8.2	2900	Dir	4G1	DN65	50 mm
②	DGX 200/2/65 A0CM5	230	1	-	1.5	9.3	2900	Dir	4G1	DN65	50 mm

		V	Phases	P1 (kw)	P2 (kw)	A	Rpm	Start	Cable	Ø	Free passage
①	DGX 150/2/65 A0CT5	400	3	-	1.1	2.7	2900	Dir	4G1	DN65	50 mm
②	DGX 200/2/65 A0CT5	400	3	-	1.5	3.5	2900	Dir	4G1	DN65	50 mm

DGX 2/80

Performances

	l/s	0	2	4	6	8	10	12	14	16
	l/min	0	120	240	360	480	600	720	840	960
	m ³ /h	0	7.2	14.4	21.6	28.8	36.0	43.2	50.4	57.6
① DGX 200/2/80A A0CM(T)5		8.1	7.5	6.8	5.9	5.1	4.3	3.5	2.7	1.9



Characteristic curves according to UNI EN ISO 9906

Technical data

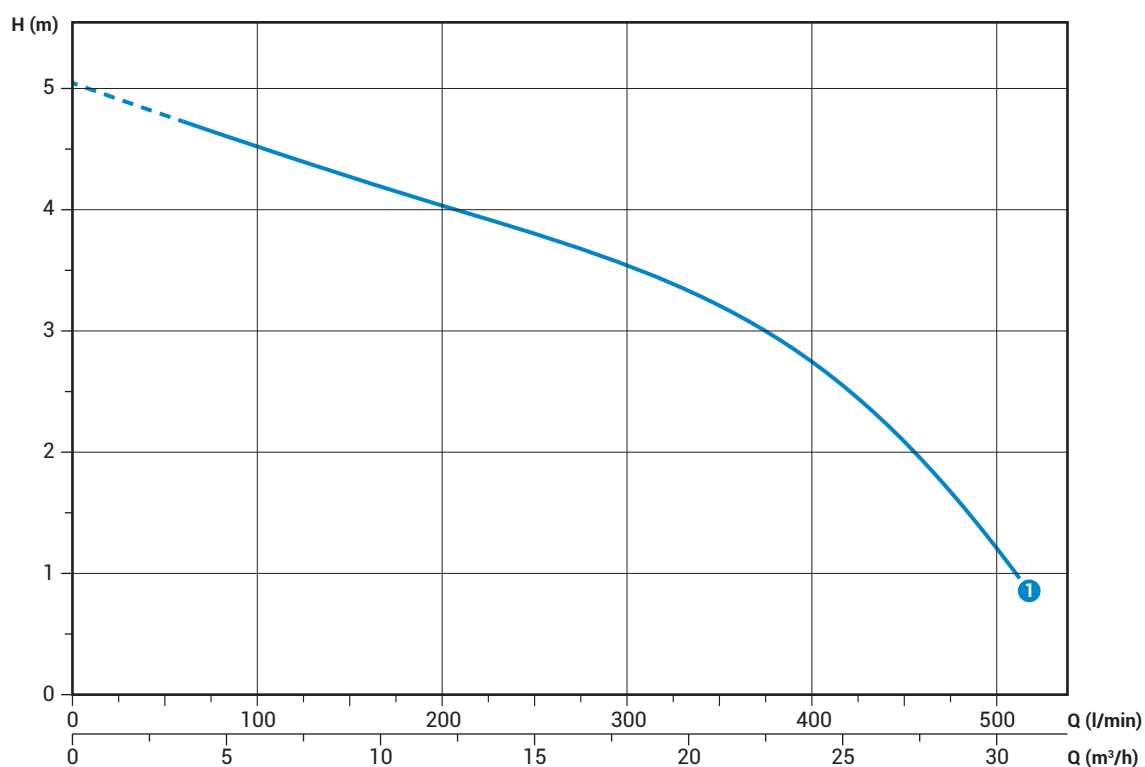
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGO 50/2/G50H A1CM5	230	1	-	1.5	9.3	2900	Dir	4G1	DN80	60 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGO 50/2/G50H A1CT5	400	3	-	1.5	3.5	2900	Dir	4G1	DN80	60 mm

DGX 4/G50V

Performances

	l/s	0	1	2	3	4	5	6	7	8
	l/min	0	60	120	180	240	300	360	420	480
	m³/h	0	3.6	7.2	10.8	14.4	18.0	21.6	25.2	28.8
① DGX 100/4/G50V A0CM(T)5		5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.5	1.6



Technical data

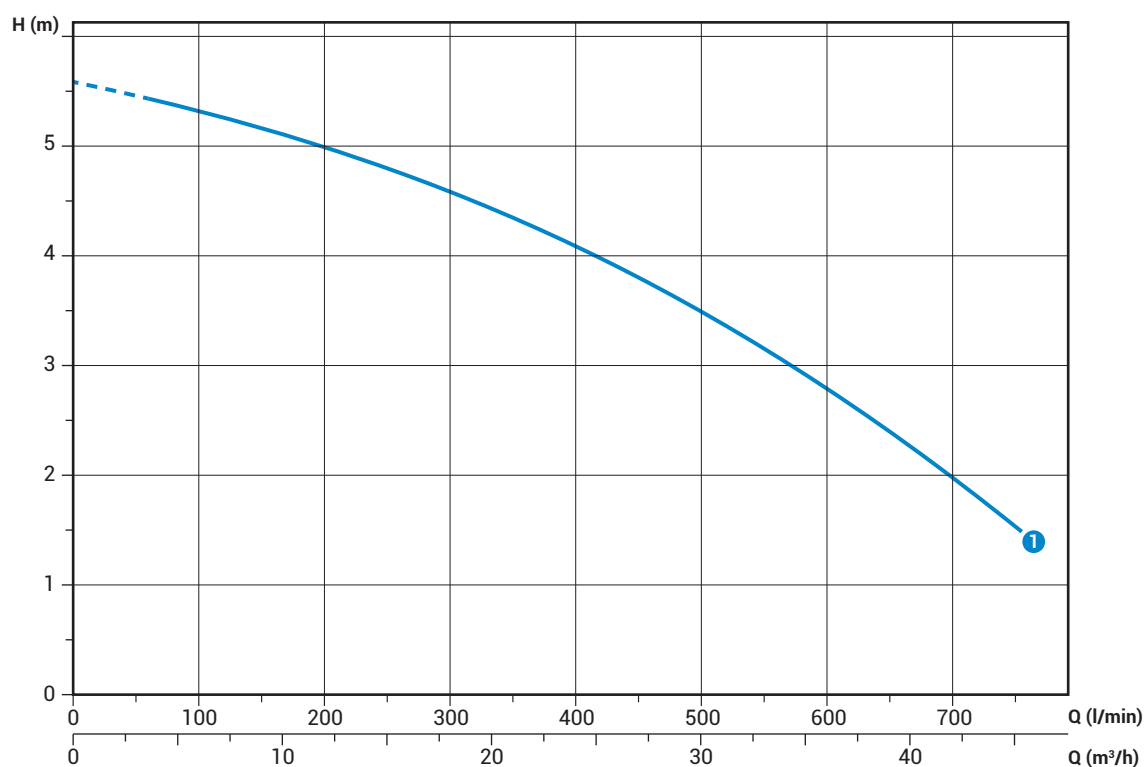
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGX 100/4/G50V A0CM5	230	1	-	0.63	4.5	1450	Dir	4G1	G 2"	20 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGX 100/4/G50V A0CT5	400	3	-	0.63	1.82	1450	Dir	4G1	G 2"	20 mm

DGX 4/65

Performances

	l/s	0	2	4	6	8	10	12
	l/min	0	120	240	360	480	600	720
	m³/h	0	7.2	14.4	21.6	28.8	36.0	43.2
① DGX 150/4/65 A0CM(T)5		5.6	5.3	4.8	4.3	3.6	2.8	1.8



Characteristic curves according to UNI EN ISO 9906

Technical data

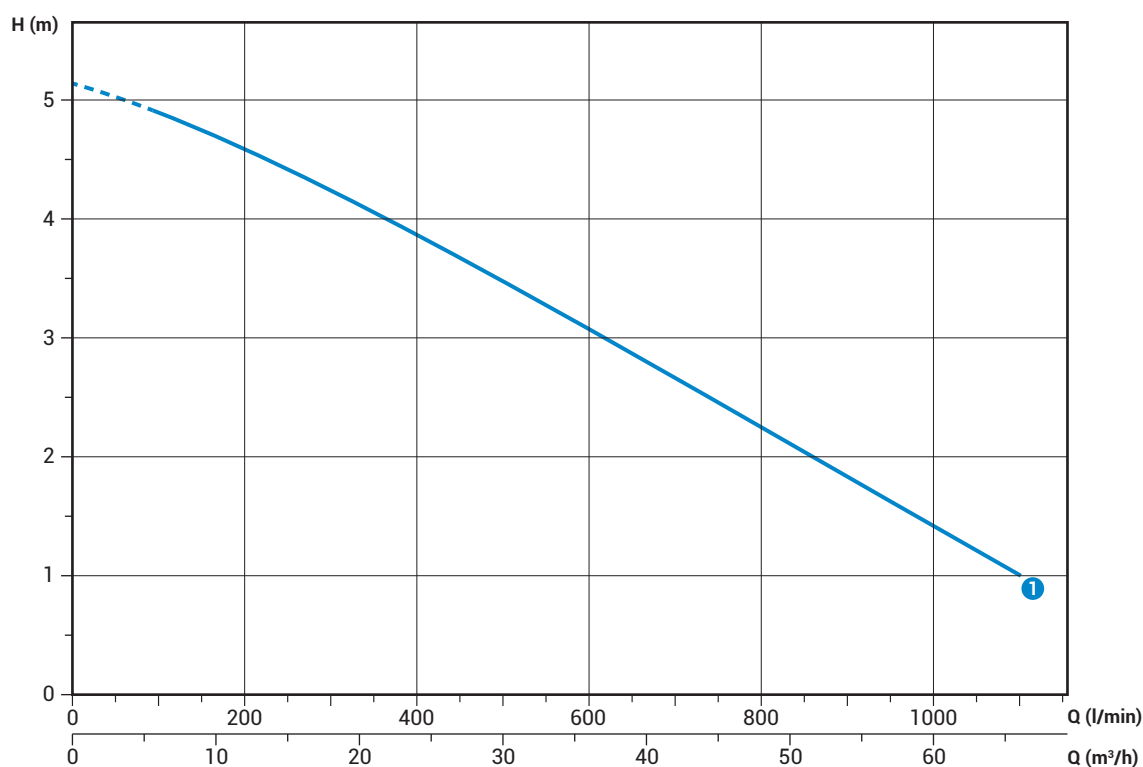
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGX 150/4/65 A0CM5	230	1	-	0.9	6.3	1450	Dir	4G1	DN65	45 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGX 150/4/65 A0CT5	400	3	-	0.9	2.2	1450	Dir	4G1	DN65	45 mm

DGX 4/80

Performances

	l/s	0	2	4	6	8	10	12	14	16	18
	l/min	0	120	240	360	480	600	720	840	960	1080
	m ³ /h	0	7.2	14.4	21.6	28.8	36.0	43.2	50.4	57.6	64.8
① DGX 150/4/80 A0CM(T)5		5.1	4.8	4.5	4.0	3.5	3.1	2.6	2.1	1.6	1.1



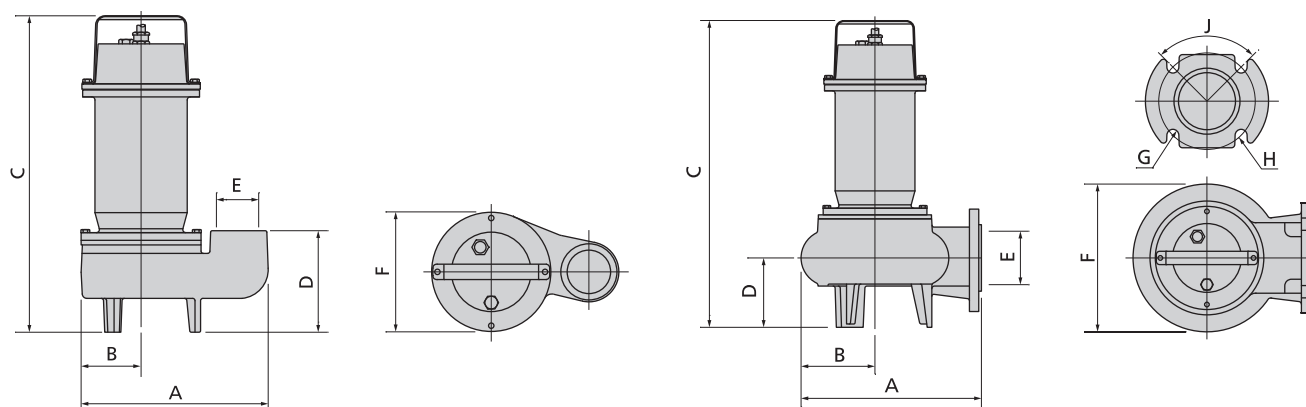
Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGX 150/4/80 A0CM5	230	1	-	0.9	6.3	1450	Dir	4G1	DN80	60 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① DGX 150/4/80 A0CT5	400	3	-	0.9	2.23	1450	Dir	4G1	DN80	60 mm

DGX

Overall dimensions and weights



Models with vertical discharge

	A	B	C	D	E	F	kg
DGX 50/2/G50V A0CM(T)5	225	75	360	120	G 2"	155	18
DGX 75/2/G50V A0CM(T)5	225	75	360	120	G 2"	155	18
DGX 100/2/G50V A0CM(T)5	245	80	410	130	G 2"	155	22
DGX 150/2/G50V A0CM(T)5	245	80	410	130	G 2"	155	23
DGX 200/2/G50V A0CM(T)5	245	80	410	130	G 2"	155	22
DGX 100/4/G50V A0CM(T)5	245	80	410	130	G 2"	155	22

Dimensions in mm

Models with horizontal discharge

	A	B	C	D	E	F	G	H	J	kg
DGX 150/2/65 A0CM(T)5	270	110	460	105	65	220	18	145	90°	28
DGX 200/2/65 A0CM(T)5	270	110	460	105	65	220	18	145	90°	29
DGX 200/2/80 A0CM(T)5	270	110	460	105	80	220	18	160	90°	33.5
DGX 150/4/65 A0CM(T)5	270	110	460	105	65	220	18	145	90°	29
DGX 150/4/80 A0CM(T)5	295	120	470	115	80	220	18	160	90°	33.5

Dimensions in mm

Packaging dimension



	X	Y	Z
DGX 50/2/G50V A0CM(T)5	225	385	245
DGX 75/2/G50V A0CM(T)5	225	385	245
DGX 100/2/G50V A0CM(T)5	285	475	235
DGX 150/2/G50V A0CM(T)5	285	475	235
DGX 200/2/G50V A0CM(T)5	285	475	235
DGX 100/4/G50V A0CM(T)5	310	580	310
DGX 150/2/65 A0CM(T)5	310	580	310
DGX 200/2/65 A0CM(T)5	310	580	310
DGX 200/2/80 A0CM(T)5	310	580	310
DGX 150/4/65 A0CM(T)5	310	580	310
DGX 150/4/80 A0CM(T)5	310	580	310

Dimensions in mm