

DRY



Special alloy pumps

General characteristics

Special alloy pump	
motor power	2,4 ÷ 15 kW
poles	2 / 4
delivery port	DN65 ÷ DN100 horizontal
free passage	max 80 mm
max flow rate	72.8 l/s
max head	40.2 m

Electromechanical assembly

Electromechanical assembly in CF-8M (AISI 316) stainless steel, for submerged operation. Seal set comprising 2 (two) silicon carbide mechanical seals installed in series in inspectable oil sump and 1 (one) opposed graphite-alumina lip seal lubricated by the motor oil. Oil bath motor.

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. Suitable for treating medium-low density fluids, containing solid and fibrous parts, sand and activated sludges.

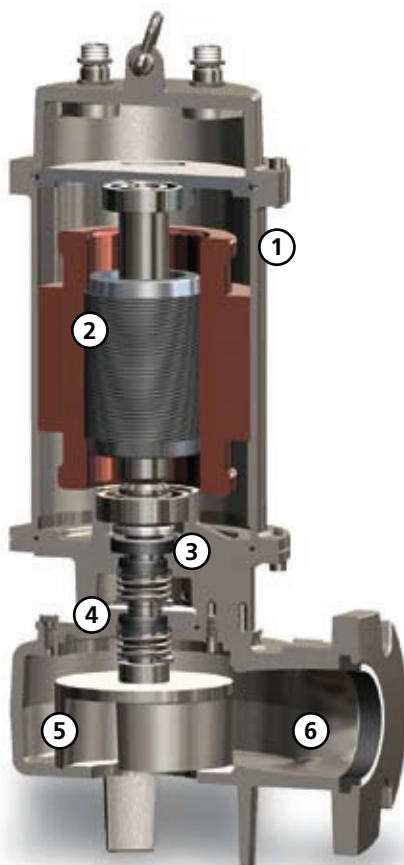
Construction materials

Case	Cast stainless steel - CF-8M
Impeller	Stainless steel
Nuts and bolts	Stainless steel - Class A4-70
Standard gasket	Rubber - VITON
Shaft	Stainless steel - AISI 420
Set of standard mechanical seals	Two silicon carbide mechanical seals (2SiC) and one carbon-aluminium oxide mechanical seal (AL)

Operating limits

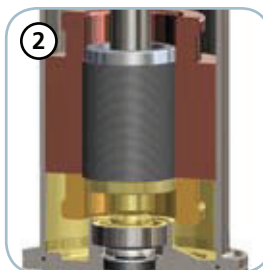
Maximum operating temperature	40 °C
PH of treated fluid	5 ÷ 10
Viscosity of treated fluid	1 mm ² /s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm ³
Maximum acoustic pressure	70 dB
max starts per hour	20

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Structure

CF-8M steel construction which makes the pump suitable for use in saline environments



Motor

Oil-bath motor with thermal protections



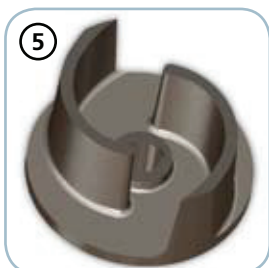
Mechanical seals

Two mechanical seals in silicon carbide (2SiC) and one mechanical seal in alumina graphite (AL) for maximum reliability even in heavy-duty applications



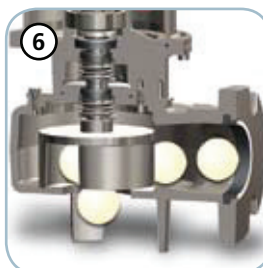
Oil sump

Large oil sump to guarantee longer mechanical seal lifetime



Impeller

Multichannel open impeller in CF-8M steel



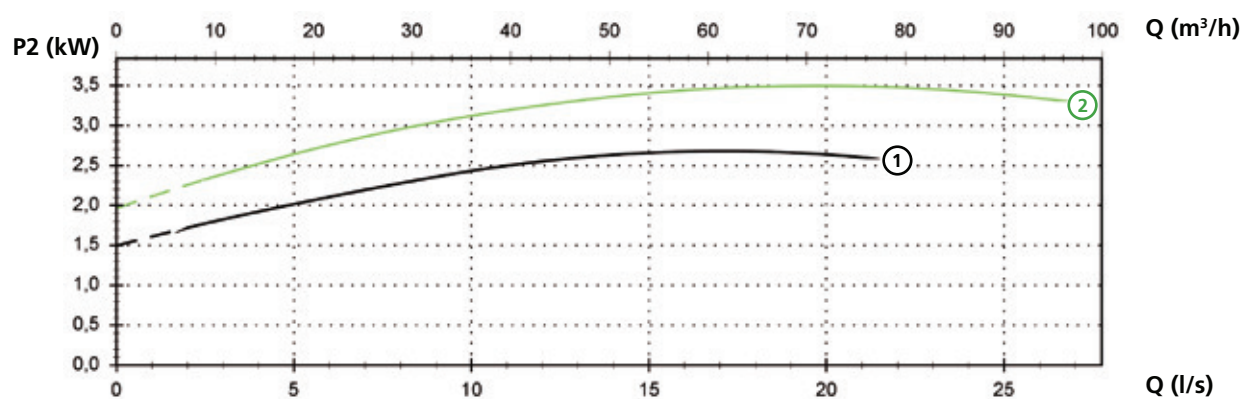
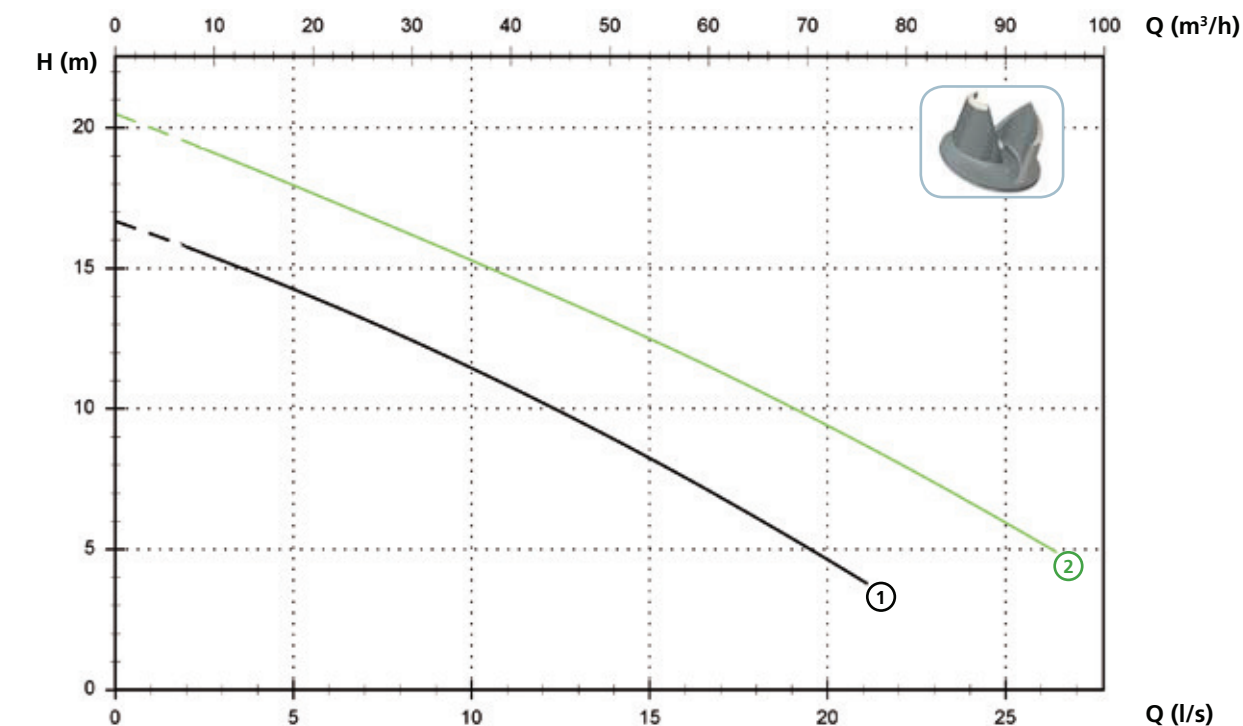
Free passage

Wide free passage allowing the expulsion of solids and preventing fouling of the impeller

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Models with horizontal DN65 PN10-16 flanged delivery port - 2 poles

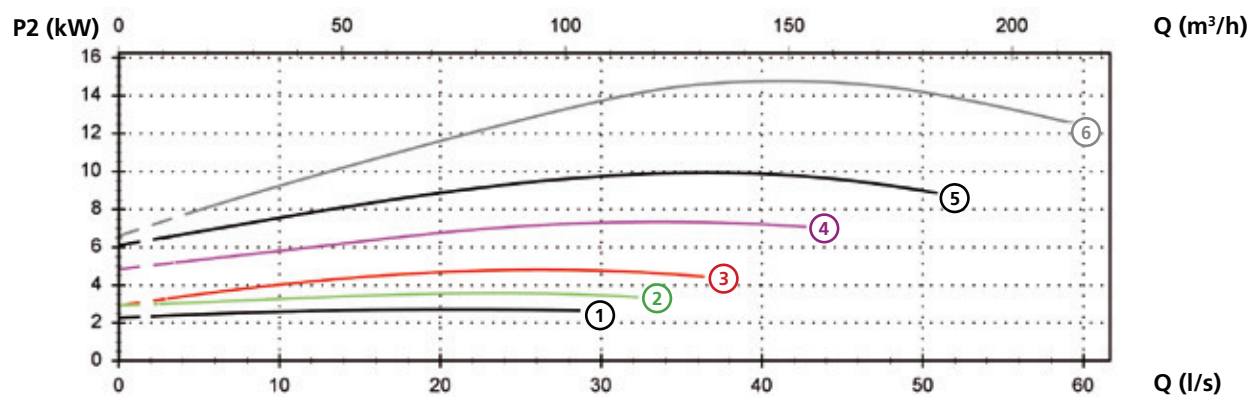
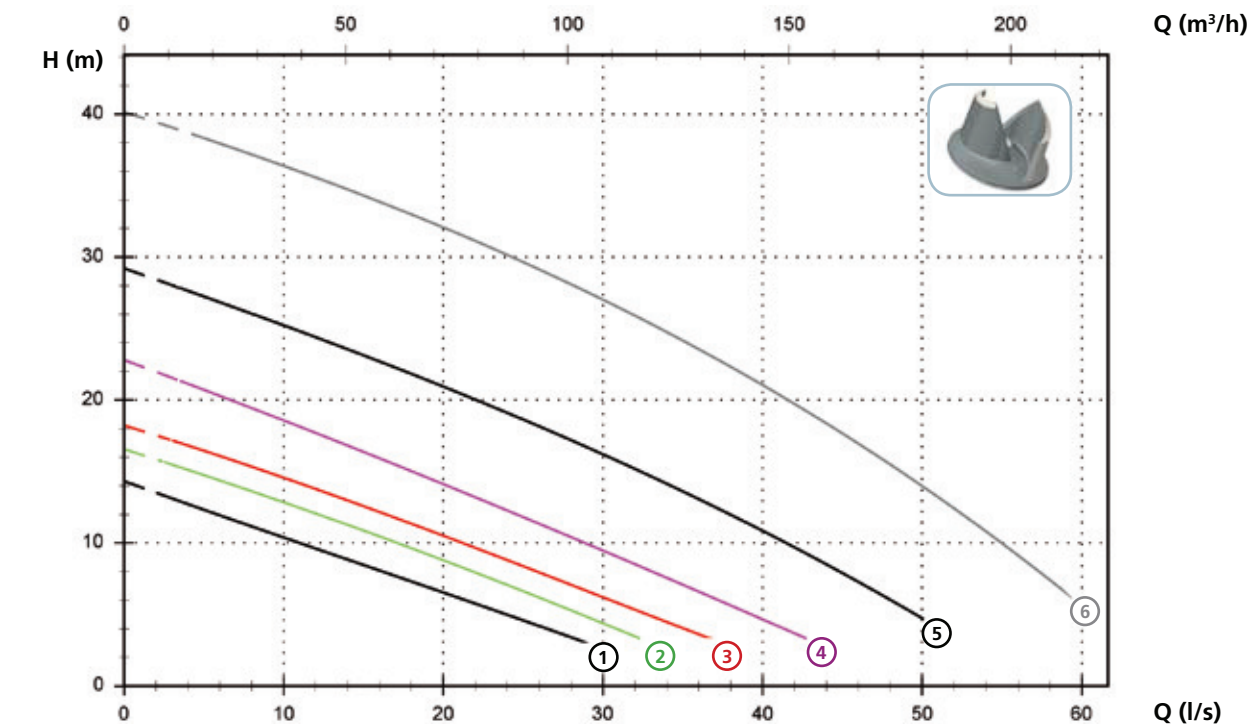
Performances



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① DRY 300/2/65 A0ET/50	400	3	3.7	2.7	6	2900	Dir	DN65 PN10-16	A	43 mm
② DRY 400/2/65 A0FT/50	400	3	4.7	3.6	8	2900	Dir	DN65 PN10-16	A	43 mm

(*) A = H07RN-F 4G1.5 + H07RN-F 2G1 - 10 m

DRY**Models with horizontal DN80 PN10 flanged delivery port - 2 poles****Performances****Technical data**

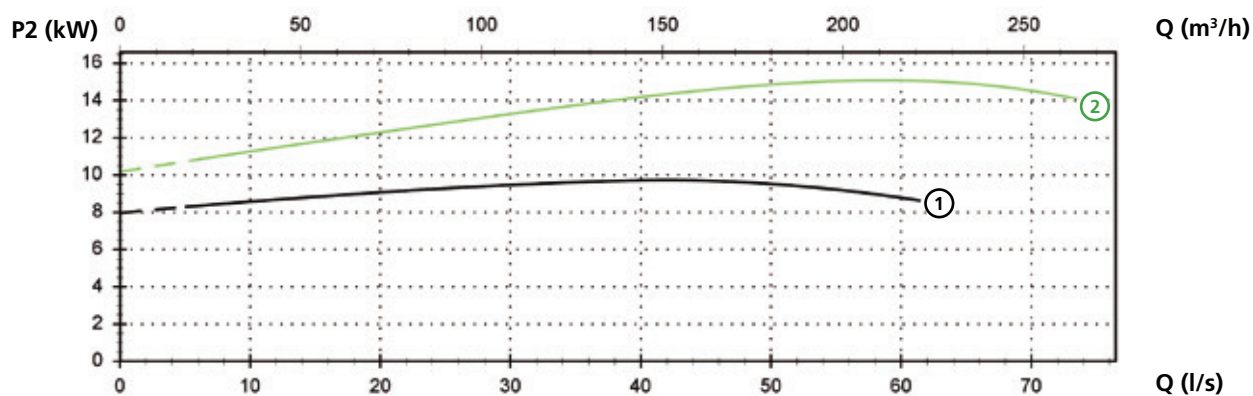
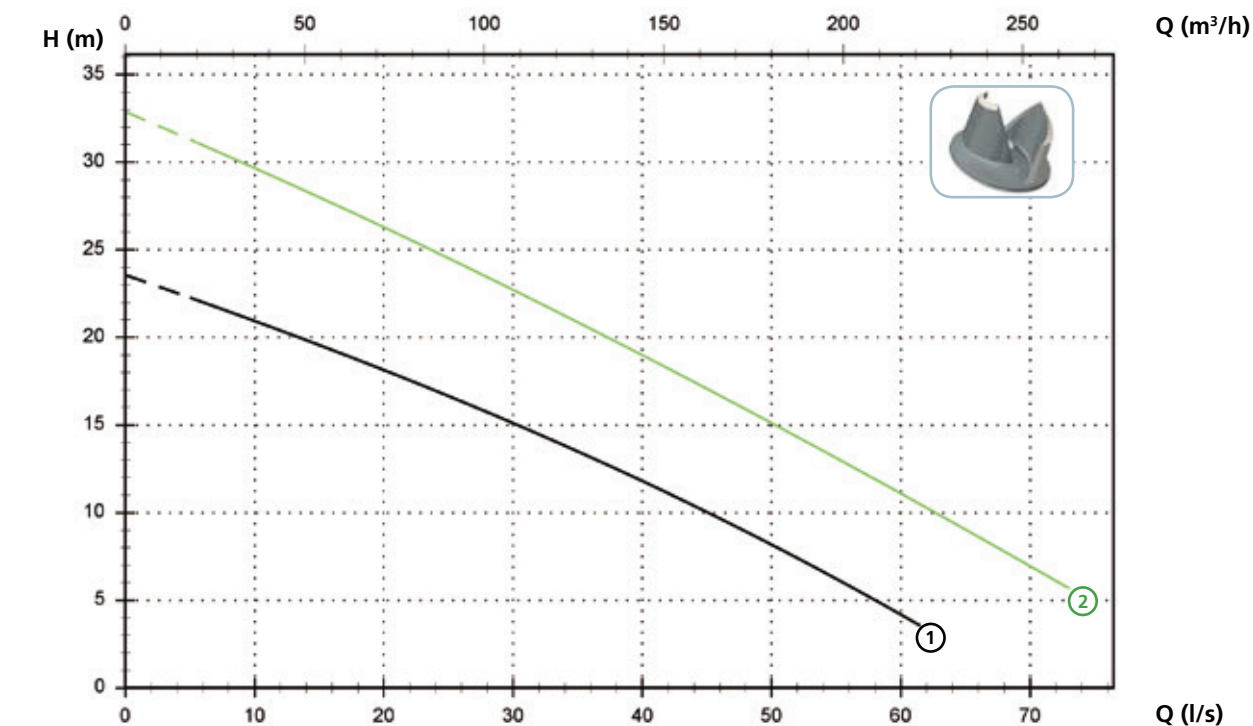
		V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
①	DRY 300/2/80 A0ET/50	400	3	3.7	2.7	6	2900	Dir	DN80 PN10	A	56 mm
②	DRY 400/2/80 A0FT/50	400	3	4.7	3.6	8	2900	Dir	DN80 PN10	A	56 mm
③	DRY 550/2/80 A0GT/50	400	3	5.9	4.9	10.1	2900	Dir	DN80 PN10	A	56 mm
④	DRY 750/2/80 A0HT/50	400	3	8.8	7.2	14.5	2900	Y Δ	DN80 PN10	B	63 mm
⑤	DRY 1000/2/80 A0HT/50	400	3	12.4	10	19.8	2900	Y Δ	DN80 PN10	B	65 mm
⑥	DRY 1500/2/80 A0HT/50	400	3	17.7	15	28.2	2900	Y Δ	DN80 PN10	B	60 mm

(*) A = H07RN-F 4G1.5+ H07RN-F 2G1 - 10 m
 B = H07RN-F 4G2.5 + H07RN-F 4G2.5 + H07RN-F 2G1 - 10 m

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Models with horizontal DN100 PN10-16 flanged delivery port - 2 poles

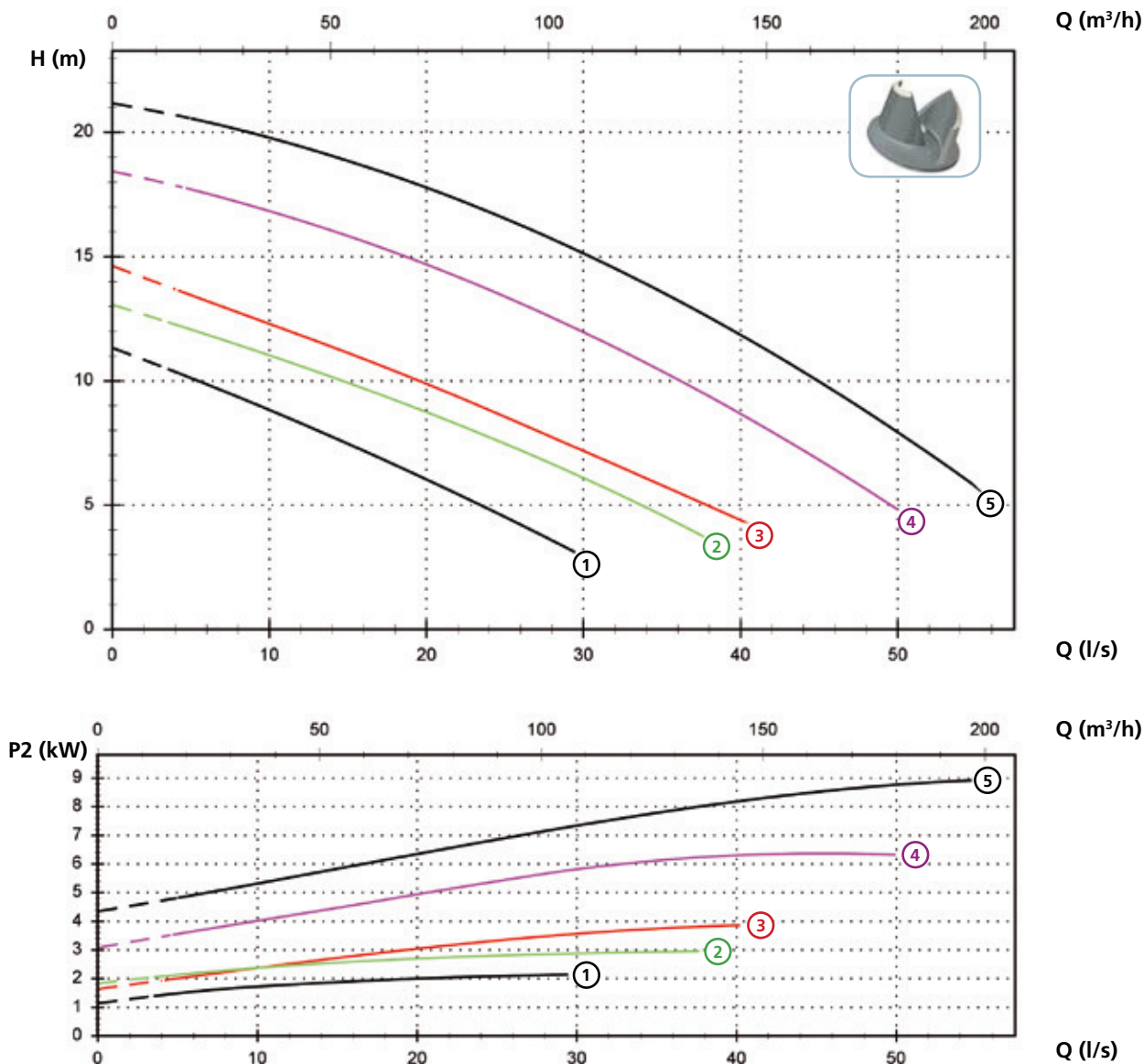
Performances



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① DRY 1000/2/100 A0HT/50	400	3	12.4	10	19.8	2900	Y Δ	DN100 PN10-16	A	80 mm
② DRY 1500/2/100 A0HT/50	400	3	17.7	15	28.2	2900	Y Δ	DN100 PN10-16	A	80 mm

(*) A = H07RN-F 4G2.5 + H07RN-F 4G2.5 + H07RN-F 2G1 - 10 m

DRY**Models with horizontal DN80 PN10 flanged delivery port - 4 poles****Performances****Technical data**

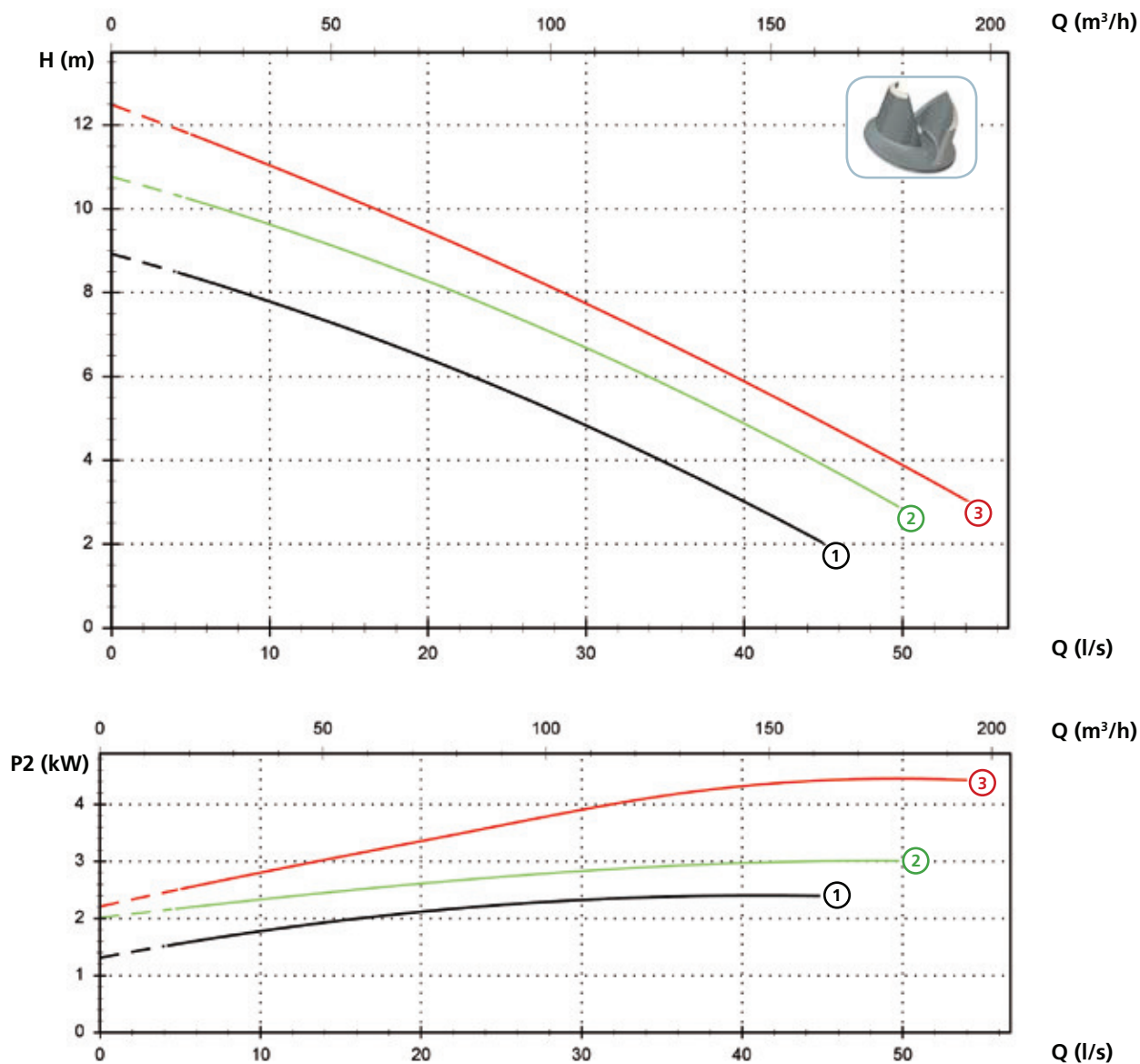
		V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
①	DRY 300/4/80 A0FT/50	400	3	3.1	2.4	6.1	1450	Dir	DN80 PN10	A	67 mm
②	DRY 400/4/80 A0FT/50	400	3	4.1	3	7.9	1450	Dir	DN80 PN10	A	67 mm
③	DRY 550/4/80 A0GT/50	400	3	5.9	4.6	10.1	1450	Dir	DN80 PN10	A	67 mm
④	DRY 750/4/80 A0HT/50	400	3	8.6	6.5	14.9	1450	Y Δ	DN80 PN10	B	70 mm
⑤	DRY 1000/4/80 A0HT/50	400	3	11.5	8.9	20	1450	Y Δ	DN80 PN10	B	70 mm

(*) A = H07RN-F 4G1.5 + H07RN-F 2G1- 10 m
 B = H07RN-F 4G2.5 + H07RN-F 4G2.5 + H07RN-F 2G1 - 10 m

DRY

Models with horizontal DN100 PN10-16 flanged delivery port - 4 poles

Performances



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① DRY 300/4/100 A0FT/50	400	3	3.1	2.4	6.1	1450	Dir	DN100 PN10-16	A	76 mm
② DRY 400/4/100 A0FT/50	400	3	4.1	3	7.9	1450	Dir	DN100 PN10-16	A	76 mm
③ DRY 550/4/100 A0GT/50	400	3	5.9	4.6	10.1	1450	Dir	DN100 PN1016	B	76 mm

(*) A = H07RN-F 4G1.5 + H07RN-F 2G1 - 10 m
B = H07RN-F 4G2.5 + H07RN-F 2G1 - 10 m

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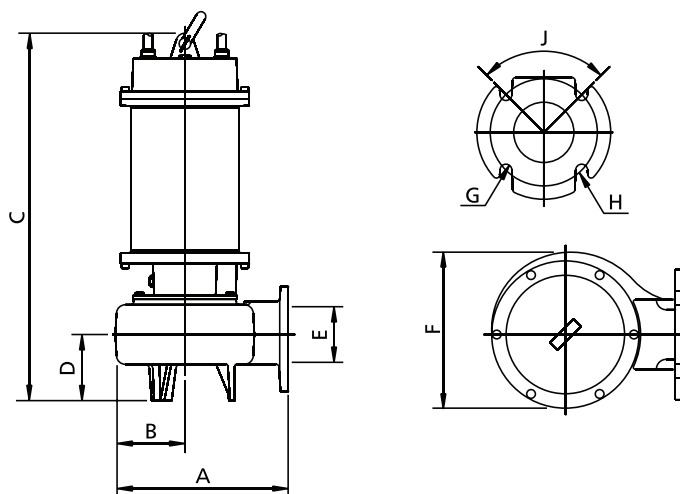
Versions available

(Key to versions on page 16)

	Electrical variants											Cooling				Mechanical seals				
	N A E	T	T C	T C D	T C D T	T C D G T	T C G	T C S T	T C S G T	T S	T R	T R G	N	CC CCE	FT	C G F T	2SIC	SICM	SICAL	2SICAL
DRY 300/2/65 A0ET/50		●											●							●
DRY 400/2/65 A0FT/50		●											●							●
DRY 300/2/80 A0ET/50		●											●							●
DRY 400/2/80 A0FT/50		●											●							●
DRY 550/2/80 A0GT/50		●											●							●
DRY 750/2/80 A0HT/50		●											●							●
DRY 1000/2/80 A0HT/50		●											●							●
DRY 1500/2/80 A0HT/50		●											●							●
DRY 1000/2/100 A0HT/50		●											●							●
DRY 1500/2/100 A0HT/50		●											●							●
DRY 300/4/80 A0FT/50		●											●							●
DRY 400/4/80 A0FT/50		●											●							●
DRY 550/4/80 A0GT/50		●											●							●
DRY 750/4/80 A0HT/50		●											●							●
DRY 1000/4/80 A0HT/50		●											●							●
DRY 300/4/100 A0FT/50		●											●							●
DRY 400/4/100 A0FT/50		●											●							●
DRY 550/4/100 A0GT/50		●											●							●

Overall dimensions and weights

2 poles motor models



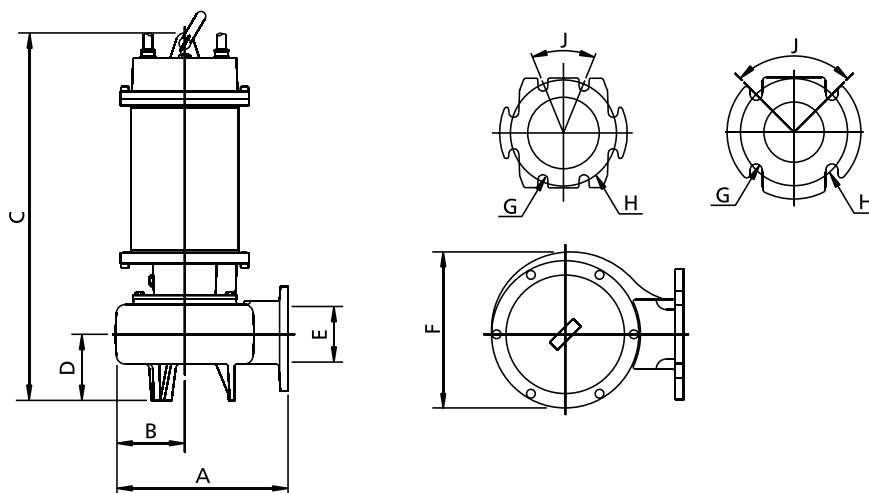
	A	B	C	D	E	F	G	H	J	kg
DRY 300/2/65 A0ET/50	270	110	570	105	65	220	18	145	90°	50
DRY 400/2/65 A0FT/50	270	110	645	105	65	220	18	145	90°	54
DRY 300/2/80 A0ET/50	295	120	580	115	80	220	18	160	90°	51
DRY 400/2/80 A0FT/50	295	120	660	115	80	235	18	160	90°	65
DRY 550/2/80 A0GT/50	295	120	665	115	80	235	18	160	90°	62
DRY 750/2/80 A0HT/50	390	150	755	150	80	295	18	160	90°	104
DRY 1000/2/80 A0HT/50	390	150	755	150	80	295	18	160	90°	110
DRY 1500/2/80 A0HT/50	390	150	755	150	80	295	18	160	90°	130
DRY 1000/2/100 A0HT/50	415	160	770	155	100	310	18	180	90°	115
DRY 1500/2/100 A0HT/50	415	160	770	155	100	310	18	180	90°	144

Measurements in mm

DRY

Overall dimensions and weights

4 poles motor models



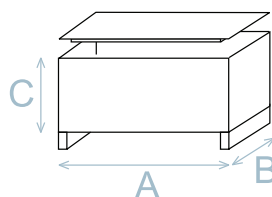
	A	B	C	D	E	F	G	H	J	kg
DRY 300/4/80A0FT/50	390	150	710	150	80	290	18	160	90°	73
DRY 400/4/80A0FT/50	390	150	710	150	80	290	18	160	90°	81
DRY 550/4/80 A0GT/50	390	150	720	150	80	290	18	160	90°	87
DRY 750/4/80 A0HT/50	440	170	775	155	80	340	18	160	90°	120
DRY 1000/4/80 A0HT/50	440	170	775	155	80	340	18	160	90°	128
DRY 300/4/100 A0FT/50	415	160	725	155	100	310	18	180	45°	75
DRY 400/4/100 A0FT/50	415	160	720	155	100	310	18	180	45°	85
DRY 550/4/100 A0GT/50	415	160	725	155	100	310	18	180	45°	91

Measurements in mm

Packaging dimension

	A	B	C
DRY 300/2/65 A0ET/50	725	445	415
DRY 400/2/65 A0FT/50	725	445	415
DRY 300/2/80A0ET/50	725	445	415
DRY 400/2/80A0FT/50	725	445	415
DRY 550/2/80A0GT/50	725	445	415
DRY 750/2/80A0HT/50	915	515	555
DRY 1000/2/80A0HT/50	915	515	555
DRY 1500/2/80A0HT/50	915	515	555
DRY 1000/2/100 A0HT/50	915	515	555
DRY 1500/2/100 A0HT/50	915	515	555
DRY 300/4/80A0FT/50	725	445	415
DRY 400/4/80A0FT/50	725	445	415
DRY 550/4/80 A0GT/50	725	445	415
DRY 750/4/80 A0HT/50	915	515	555
DRY 1000/4/80 A0HT/50	915	515	555
DRY 300/4/100 A0FT/50	725	445	415
DRY 400/4/100 A0FT/50	725	445	415
DRY 550/4/100 A0GT/50	725	445	415

Dimension in mm



Installations available

