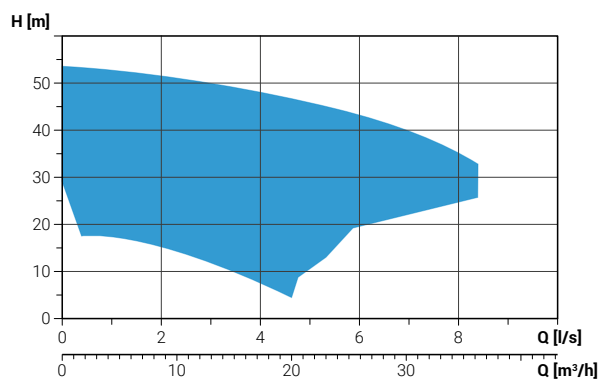


GRG

Impeller with grinder system

Operating ranges



Range characteristics

Motor power	1.8 ÷ 7.5 kW
Poles	2
Insulation class	H
Degree of protection	IP68
Discharge vertical	-
Discharge horizontal	G 1½" DN32 - G 2" DN32
Free passage	-
Max flow rate	8.4 l/s
Max head	53.7 m

Motor

Ecological dry motor with thermal protections.

Cable

S1RN8-F electric cable. Standard version 10 m cable length.

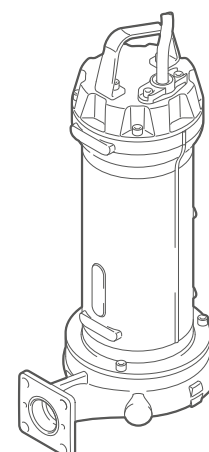
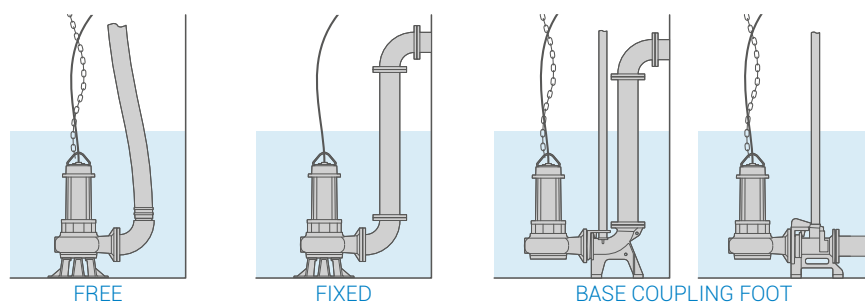
Mechanical seals

Two silicon carbide (SiC) mechanical seals in oil sump.

Applications

Designed for professional and industrial use, it is suitable for the treatment of liquids containing suspended solids or fibres.

Installations



Versions

Electrical variants	NAE, TS
Cooling system	N
Mechanical seals	2SIC

Operating specifications

Max operating temperature	40 °C
PH of treated fluid	6 ÷ 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

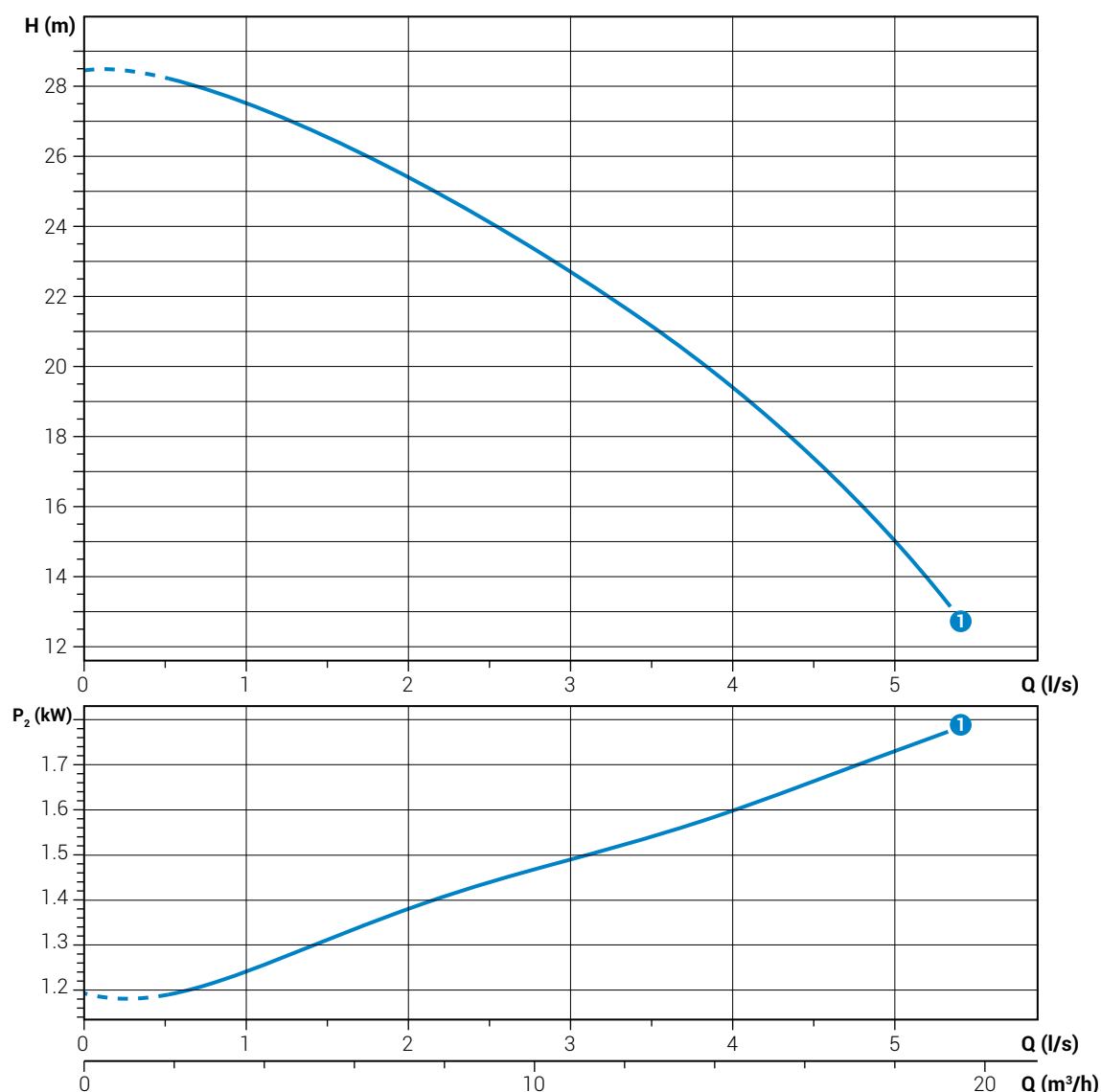
Case	Cast iron EN-GJL 250
Hydraulic parts	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 431
Paint type	Ecological bicomponent epoxy (~200 µm)
Cutter	Chromium steel
Strainer	-

GRINDER IMPELLER

GRG 250/2/G40H

Performances

	l/s	0	1	2	3	4	5
	l/min	0	60	120	180	240	300
	m³/h	0	3.6	7.2	10.8	14.4	18
① GRG 250/2/G40H A0AT5		28.5	27.5	25.4	22.7	19.4	14.9



Characteristic curves according to UNI EN ISO 9906

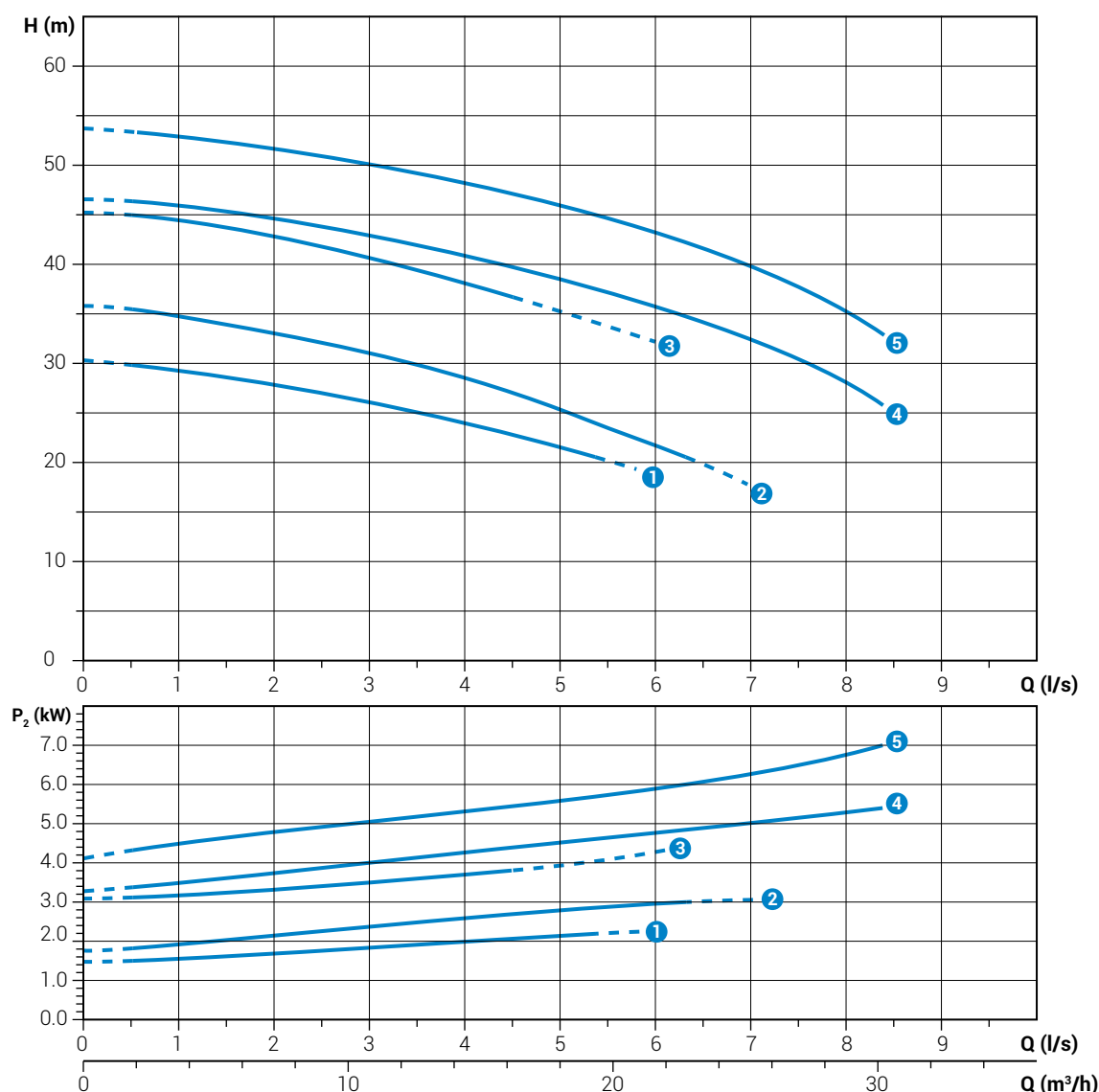
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① GRG 250/2/G40H A0AT5	400	3~	2.2	1.8	3.7	2900	DOL	4G1	G1"½ DN32	10 mm

GRG 300÷1000/2/G50H

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	21.6	25.2	28.8
① GRG 300/2/G50H C0ET5		30.3	29.3	27.9	26.1	24.0	21.6			
② GRG 400/2/G50H D0ET5		35.8	34.8	33.0	31.1	28.5	25.3	21.8	17.7	
③ GRG 550/2/G50H D0T5		45.1	44.4	42.8	40.6	38.1	35.3			
④ GRG 750/2/G50H A0FT5		46.6	45.9	44.6	42.8	40.8	38.5	35.8	32.4	27.9
⑤ GRG 1000/2/G50H A0FT5		53.7	52.9	51.6	50.0	48.2	46.0	43.3	39.8	35.2



Characteristic curves according to UNI EN ISO 9906

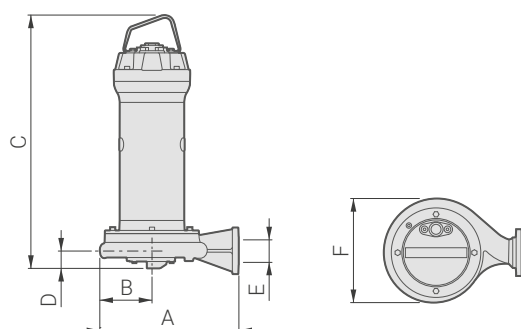
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① GRG 300/2/G50H C0ET5	400	3~	2.8	2.2	4.6	2900	DOL	4G1.5+3x1	G2" DN32	-
② GRG 400/2/G50H D0ET5	400	3~	3.7	3.0	6.4	2900	DOL	4G1.5+3x1	G2" DN32	-
③ GRG 550/2/G50H D0T5	400	3~	4.7	4.0	7.7	2900	DOL	4G1.5+3x1	G2" DN32	-
④ GRG 750/2/G50H A0FT5	400	3~	6.3	5.5	10.8	2900	DOL	4G1.5+3x1	G2" DN32	-
⑤ GRG 1000/2/G50H A0FT5	400	3~	8.5	7.5	13.7	2900	DOL	4G1.5+3x1	G2" DN32	-

GRINDER IMPELLER

GRG

Overall dimensions and weights



	A	B	C	D	E	F		
GRG 250/2/G40H A0AT5	267	103	491	45	G1"½	215	DN32 PN6	32.0
GRG 300/2/G50H C0ET5	305	110	527	56	G2"	225	DN32 PN6	43.2
GRG 400/2/G50H D0ET5	352	132	594	59	G2"	263	DN32 PN6	45.0
GRG 550/2/G50H D0T5	352	128	652	59	G2"	263	DN32 PN6	57.6
GRG 750/2/G50H A0FT5	352	128	652	59	G2"	263	DN32 PN6	60.3
GRG 1000/2/G50H A0FT5	352	128	727	59	G2"	263	DN32 PN6	68.2

Dimensions in mm

Packaging dimension



	X	Y	Z
GRG 250/2/G40H A0AT5	310	580	310
GRG 300/2/G50H C0ET5	445	725	425
GRG 400/2/G50H D0ET5	445	725	425
GRG 550/2/G50H D0T5	445	725	425
GRG 750/2/G50H A0FT5	445	725	425
GRG 1000/2/G50H A0FT5	535	915	560

Dimensions in mm