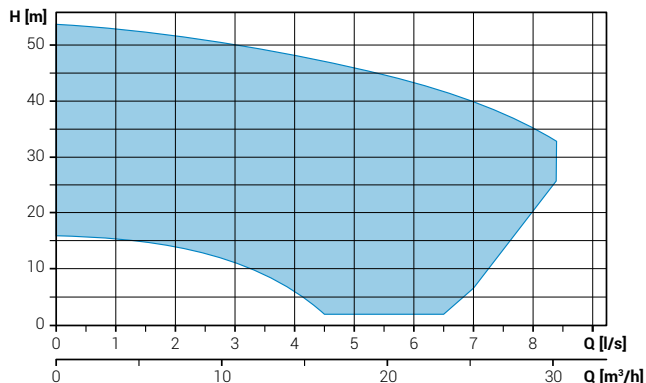


Impeller with grinder system

Operating ranges



Range characteristics

Motor power	1.8 ÷ 7.5 kW
Poles	2
Insulation class	H
Degree of protection	IP68
Discharge	GAS 1½" - 2" DN32 horizontal
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

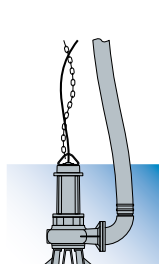
Mechanical seals

Two silicon carbide (SiC) mechanical seals in oil sump

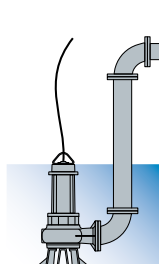
Applications

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

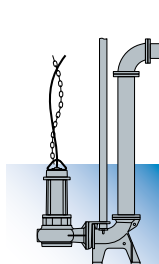
Installations



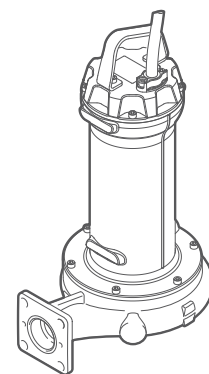
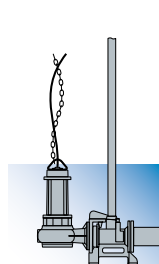
Free



Fixed



with base coupling foot



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

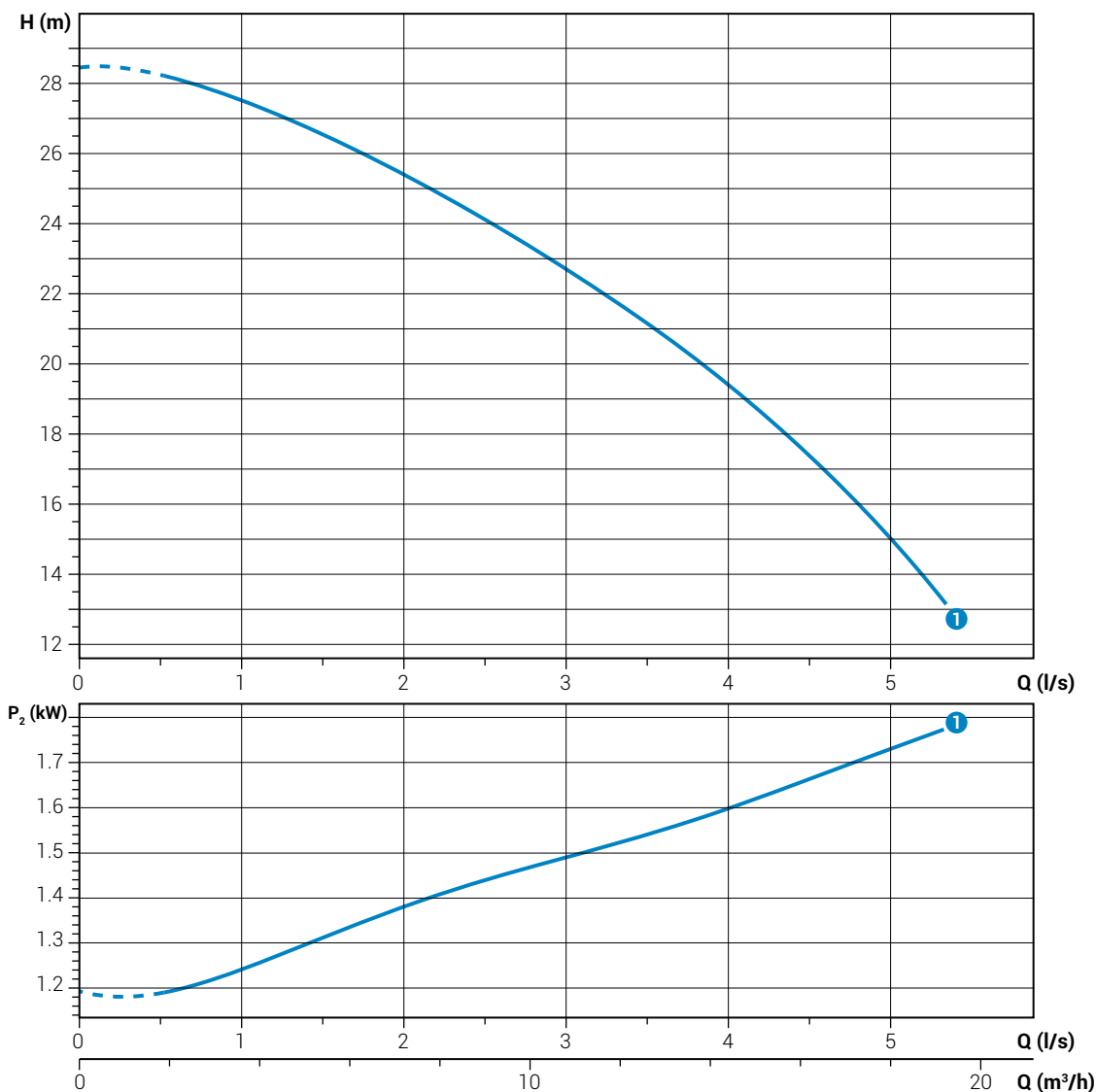
Construction materials

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
Cutter	Chromium steel
Paint type	Ecological bicomponent epoxy (~ 200 µm)

GRG 250/2/G40H

Performances

	l/s	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
	l/min	0	30	60	90	120	150	180	210	240	270	300
	m ³ /h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0
① GRG 250/2/G40H A0AT5		28.5	28.2	27.5	26.5	25.4	24.1	22.7	21.2	19.4	17.3	14.9



Characteristic curves according to UNI EN ISO 9906

Technical data

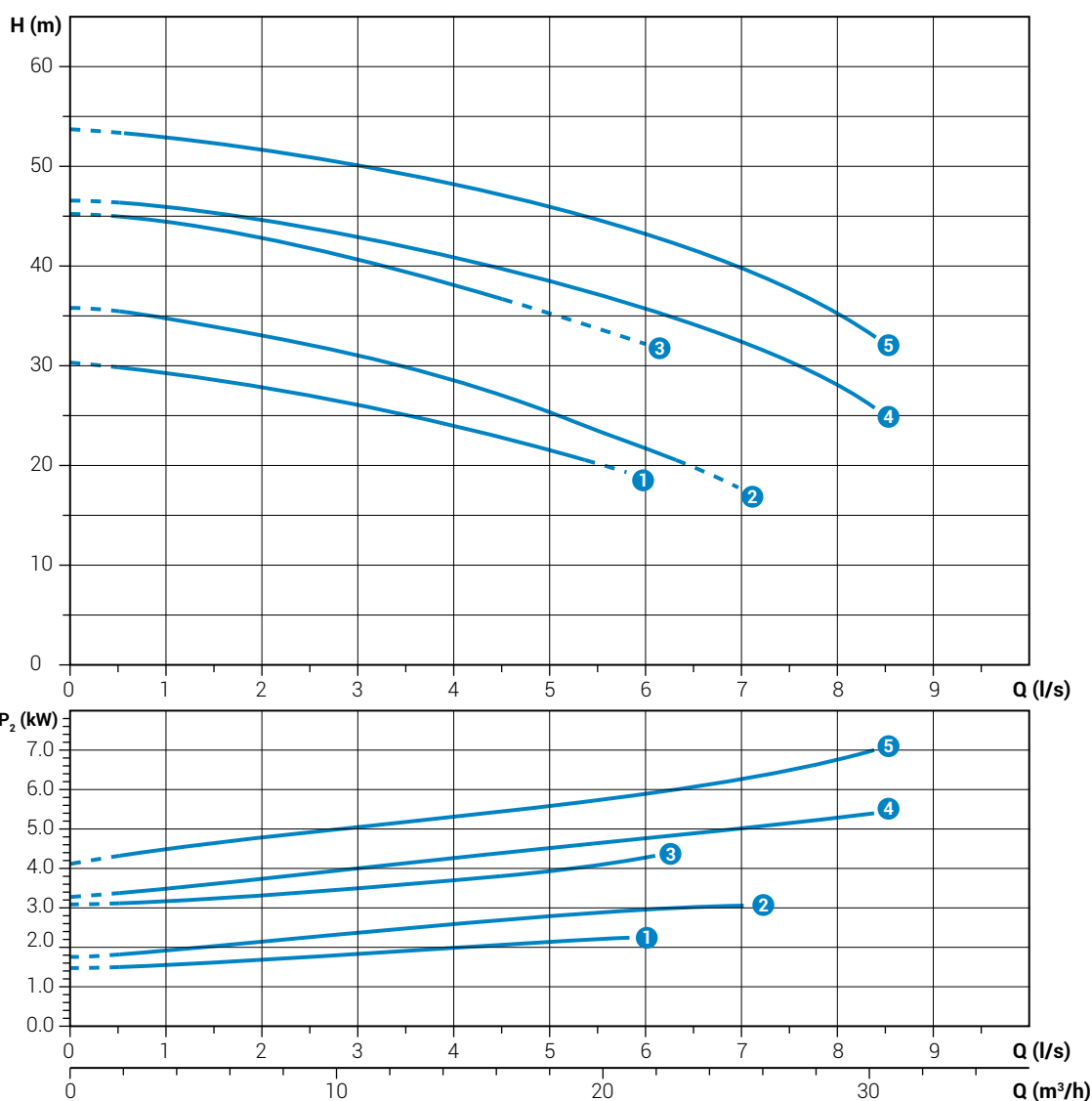
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① GRG 250/2/G40H A0AT5	400	3	2.19	1.8	3.7	2900	Dir	4G1	DN32-G1 1/2"	-

GRG 300 ÷ 1000/2/G50H

Performances

		Q								
		0	1	2	3	4	5	6	7	8
		l/s	l/min	m ³ /h	l/s	l/min	m ³ /h	l/s	l/min	m ³ /h
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

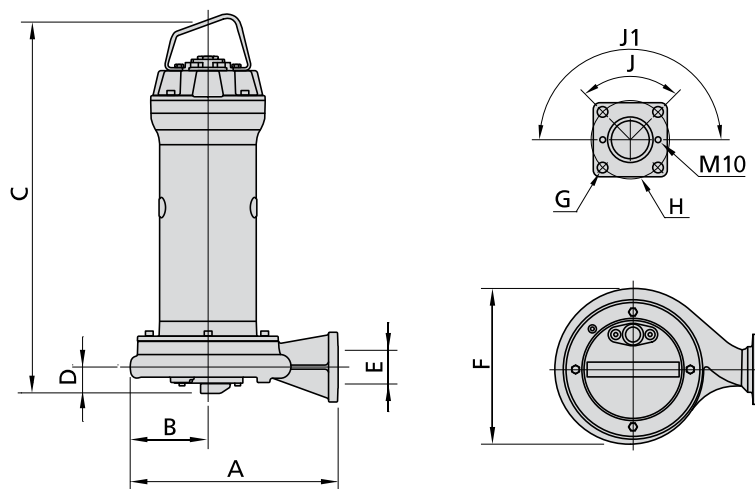


Technical data

	V	Phases	P1 (kw)	P2 (kw)	A	Rpm	Start	Cable	Ø	Free passage	
①	GRG 300/2/G50H C0ET5	400	3	2.76	2.2	4.62	2900	Dir	4G1.5+3x1	DN32 - G2"	-
②	GRG 400/2/G50H D0ET5	400	3	3.68	3.0	6.36	2900	Dir	4G1.5+3x1	DN32 - G2"	-
③	GRG 550/2/G50H D0T5	400	3	4.66	4.0	7.73	2900	Dir	4G1.5+3x1	DN32 - G2"	-
④	GRG 750/2/G50H A0FT5	400	3	6.32	5.5	10.8	2900	Dir	4G1.5+3x1	DN32 - G2"	-
⑤	GRG 1000/2/G50H A0FT5	400	3	8.51	7.5	13.7	2900	Dir	4G1.5+3x1	DN32 - G2"	-

GRG

Overall dimensions and weights



	A	B	C	D	E	F	G	H	J°	J1°	kg
GRG 250/2/G40H A0AT5	267	103	491	45	GAS 1½" - DN32	215	14	90	-	90	32.0
GRG 300/2/G50H C0ET5	305	110	527	56	GAS 2" - DN32	225	18	125	90	180	58.6
GRG 400/2/G50H D0ET5	352	132	594	59	GAS 2" - DN32	263	18	125	90	180	59.6
GRG 550/2/G50H D0T5	352	128	652	59	GAS 2" - DN32	263	18	125	90	180	57.0
GRG 750/2/G50H A0FT5	352	128	652	59	GAS 2" - DN32	263	18	125	90	180	59.7
GRG 1000/2/G50H A0FT5	352	128	727	59	GAS 2" - DN32	263	18	125	90	180	68.7

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