

GRP**motralec**

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Impeller with grinder system

General characteristics

- Impeller with grinder system
- 7,2 kW motor power
- 2 poles
- GAS 2" DN32 horizontal delivery port

Electromechanical assembly

Electromechanical assembly in GJL-250 cast iron, 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. Separate pump body. Series not available in explosion-proof version.

Applications

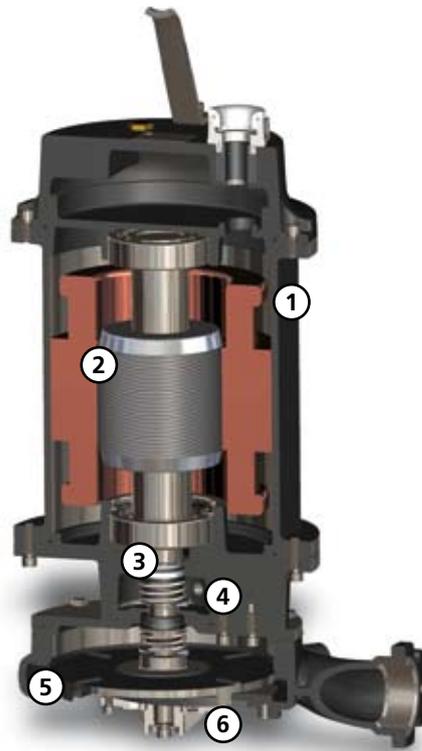
Designed for professional and industrial use, it is suitable for the treatment of liquids containing suspended solids or fibres, and low or medium density activated sludges. These models are prefitted for installation of the ZENIT cooling system, for dry or semi-submerged installation (on request).

Construction materials

Case	Cast Iron - EN-GJL 250
Impeller	Cast iron EN-GJL-250
Nuts and bolts	Stainless Steel - Class A2-70
Standard gasket	Rubber - NBR
Cutter material	Tool Stainless Steel - X102 CrMo17 KU
Cutting disk material	Tool Stainless Steel - X102 CrMo17 KU
Shaft	Stainless Steel - AISI 420
Cooling jacket	Carbon Steel - Fe360 ÷ Fe370
Set of standard mechanical seals	Two Silicon carbide mechanical seals (SiC) and One Carbon-Aluminium oxide mechanical seal (AL)

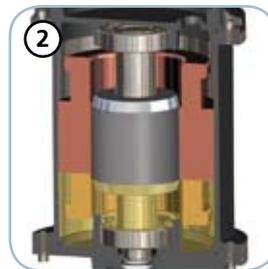
operating limits

Maximum operating temperature	40 °C
PH of treated fluid	6 to 10 pH
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



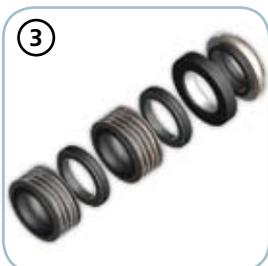
Structure

Constructed in GJL-250 cast iron



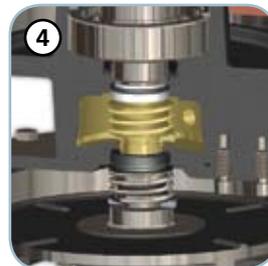
Motor

Oil-bath motor with thermal overloads



Mechanical seals

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



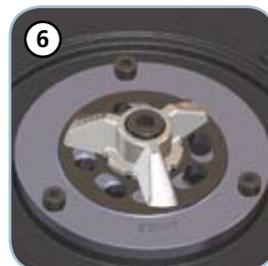
Oil sump

Large oil sump to guarantee longer mechanical seal lifetime



Anti-clogging system

The special design of the hydraulic part ensures the expulsion of suspended solids and prevents fouling of the impeller



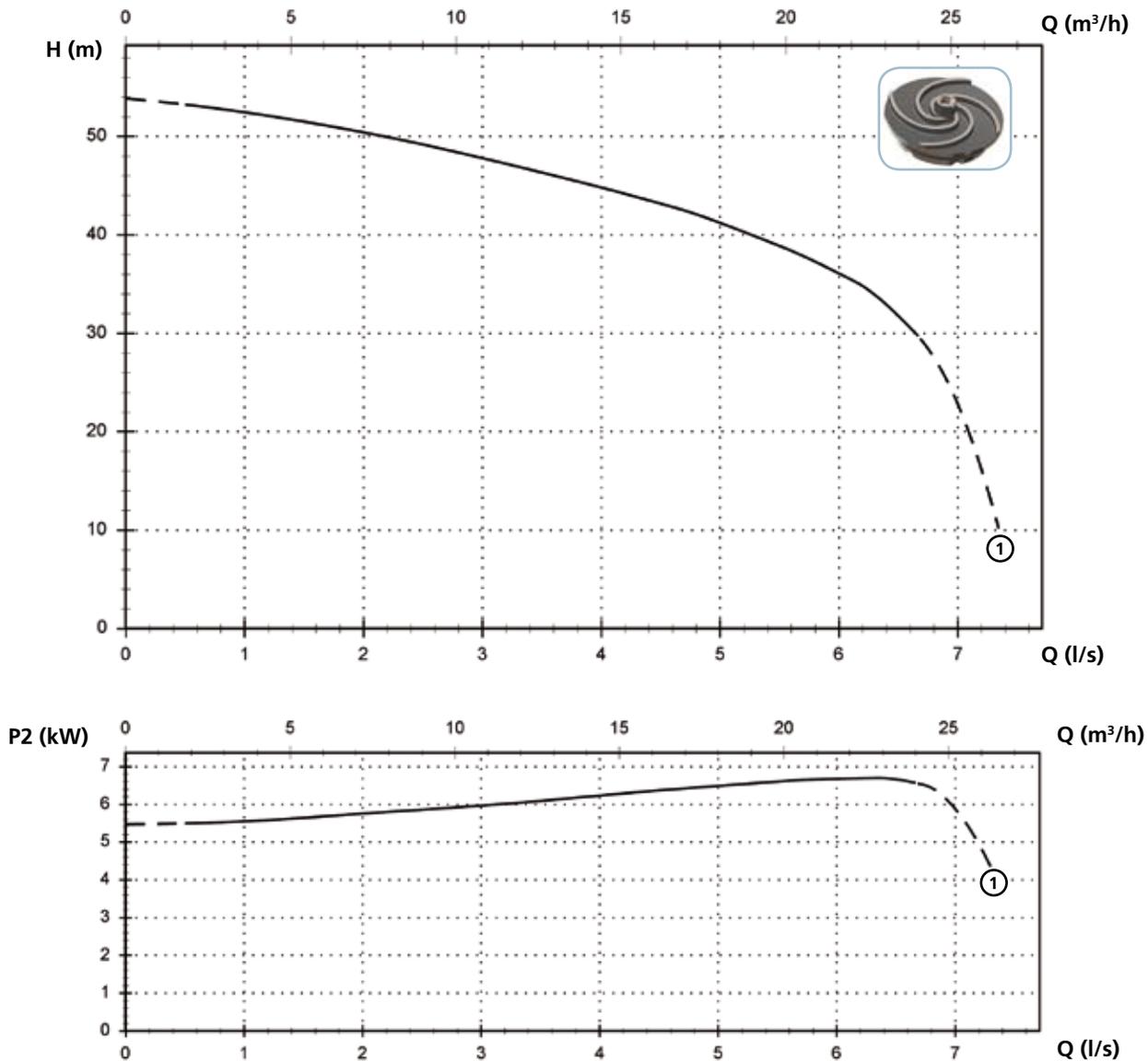
Grinder system

Grinder system comprising a revolving cutter and a plate with holes with sharpened edges that fine-chops filaments, preventing fouling of the impeller

GRP

Models with horizontal GAS 2" threaded - DN32 PN6 flanged delivery port - 2 poles

Performances



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
① GRP 750/2/G50H A0HT/50	400	3	8.8	7.2	14.5	2900	G2"-DN32 PN6	A	-

(*) A = 07RN-F 7G1.5+3x0.75 - 10 m

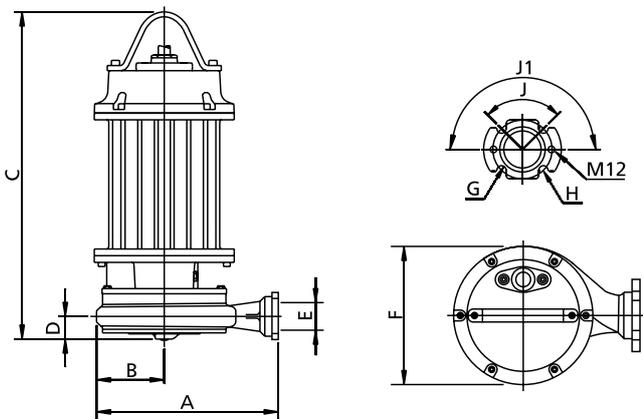
Electrical and mechanical features are equal to the cable H07RN-F

Versions available

(Key to versions on page 15)

	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	F T	C G F T	N	CC	2SIC	SICM	SICAL	2SICAL
GRP 750/2/G50H A0HT/50	●									●					●					●

Overall dimensions and weights



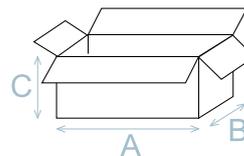
	A	B	C	D	E	F	G	H	J	J1	kg
GRP 750/2/G50H A0HT/50	350	130	670	80	G 2"	270	14	90	90°	180°	91

Measurements in mm

Packaging dimension

	A	B	C
GRP 750/2/G50H A0HT/50	725	445	415

Dimension in mm



Installations available

