

SMI

Single-channel closed impeller

All product images are indicative only



General characteristics

Single-channel closed impeller	
motor power	1,5 kW
poles	2
discharge	GAS 2"-DN80 horizontal
free passage	50 mm
max flow rate	16.1 l/s
max head	17.2 m

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. Ecological dry motor.

Applications

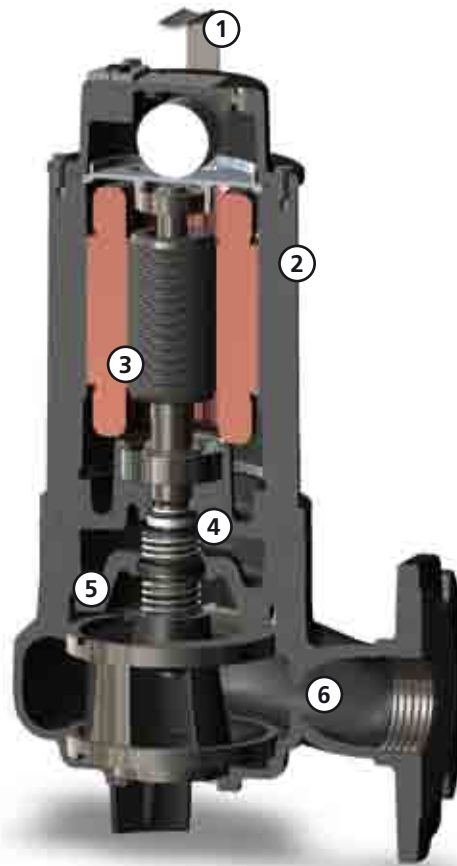
Suitable for pumping wastewater from public establishments, small sewer systems, livestock farms, the food industry, agriculture and for irrigation. This electric pump is intended for both domestic and professional use.

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
Shaft	Stainless steel - AISI 420
Paint type	Ecological bicomponent epoxy (medium thickness 150 µm)
Set of standard mechanical seals	Two silicon carbide mechanical seals (2SiC)

Operating limits

Maximum operating temperature	40 °C
PH of treated fluid	6 ÷ 14
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	30



①

Handle

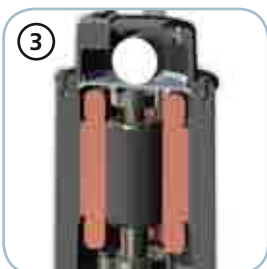
AISI 304 stainless steel lifting and carrying handle.



②

Structure

Constructed in GJL-250 cast iron.



③

Motor

Ecological dry motor with thermal protections. Single-phase models with internal capacitor. Three-phase models with motor protection relay.



④

Mechanical seals

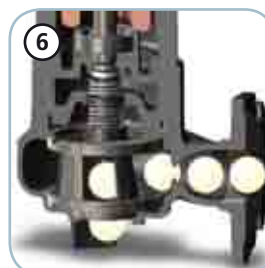
Two mechanical seals in silicon carbide (2SiC).



⑤

Oil sump

Large oil sump to guarantee longer mechanical seal lifetime.



⑥

Free passage

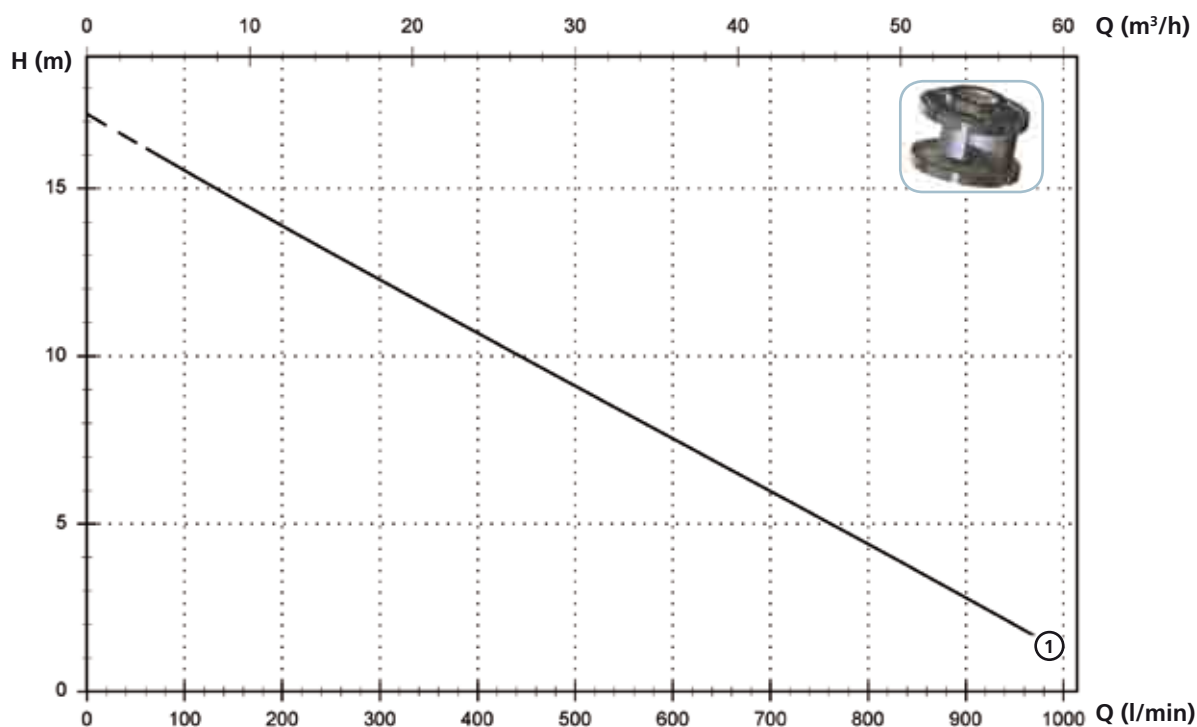
Wide free passage allowing the expulsion of solids and preventing fouling of the impeller.

SMI

Models with horizontal GAS 2" threaded and DN80 PN10 flanged discharge - 2 poles

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 SMI 200/2/G50H A0CM(T)/50		16.8	15.2	13.2	11.3	9.4	7.5	5.7	3.8	1.8



Technical data

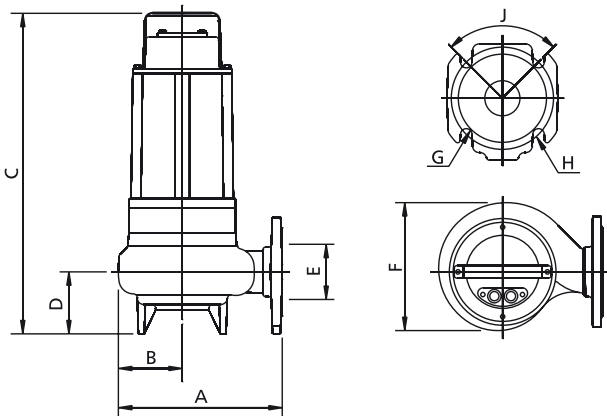
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① SMI 200/2/G50H A0CM/50	230	1	1.9	1.5	9.9	2900	Dir	G 2" DN80 PN10	50 mm
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① SMI 200/2/G50H A0CT/50	400	3	2.0	1.5	3.5	2900	Dir	G 2" DN80 PN10	50 mm

Versions available

(Key to versions on page 16)

	Electrical variants										Cooling				Mechanical seals					
	N A E	T	T C	T D	T 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
SMI 200/2/G50H A0CM/50		●					●					●					●			
SMI 200/2/G50H A0CT/50										●	●	●					●			

Overall dimensions and weights



	A	B	C	D	E	F	G	H	J	kg
SMI 200/2/G50H A0CM(T)/50	255	100	505	95	G 2"	200	18	160	90°	38

Dimensions in mm

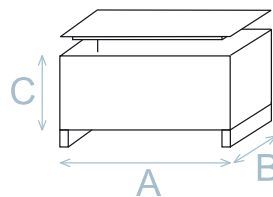
All weights and dimensions are indicative only

Packaging dimension

	A	B	C
SMI 200/2/G50H A0CM(T)/50	725	445	415

Dimension in mm

All weights and dimensions are indicative only



Installations available

