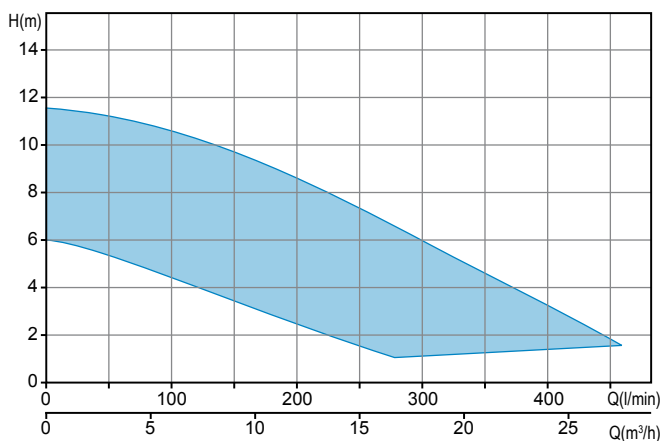


Pumps with vortex impeller

Operating ranges



Range characteristics

Motor power	0.3 ÷ 0.74 kW
Poles	2
Insulation class	F
Degree of protection	IP68
Discharge	GAS 1½" vertical
Free passage	max 40 mm
Max flow rate	7.7 l/s (462 l/min)
Max head	11.6 m

Motor

Dry motor with thermal protections.

Cable

H07RN-F 5 m cable length with schuko plug. Optional 10 m cable length with schuko plug.

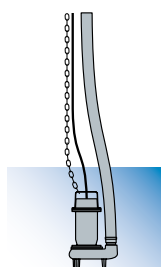
Mechanical seals

One silicon carbide mechanical seal (SiC) and one alumina graphite mechanical seal (AL), V-ring

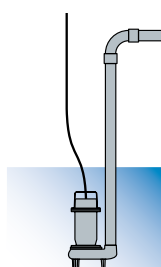
Applications

Used with soiled biological wastewaters and sewage. Suitable and reliable for domestic use and residential applications.

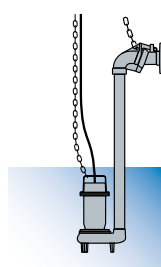
Installations



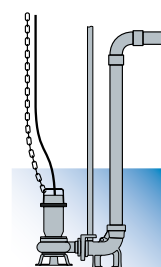
FREE



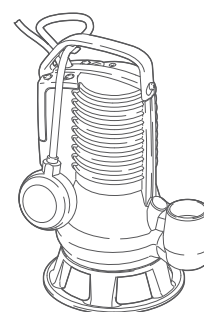
FIXED



with EXTERNAL COUPLER



with BASE COUPLING FOOT



Versions

Electrical variants	TC, TCG (single-phase models)
Cooling system	N
Mechanical seals	SICAL

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

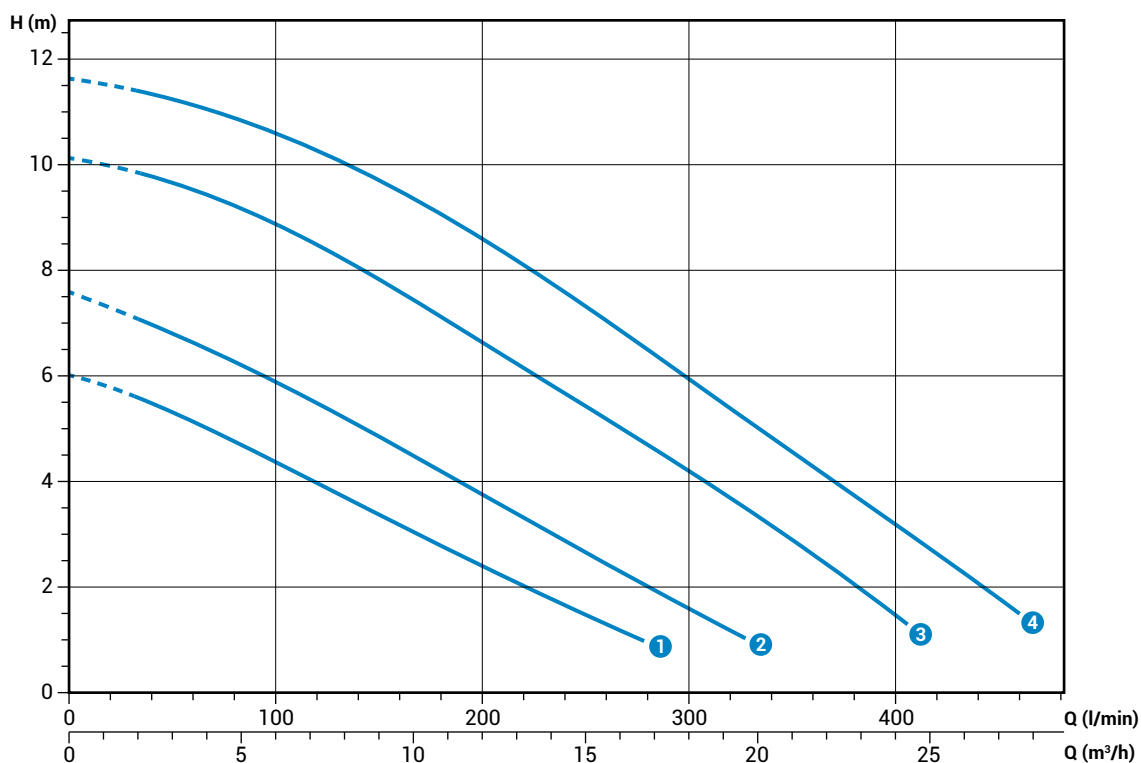
Construction materials

Case	Cast iron EN-GJL 250
Hydraulic parts	Cast iron EN-GJL 250
Impeller	Technopolymer
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 420
Paint type	Ecological bicomponent epoxy (~ 80 µm)

DG blue 2/G40V

Performances

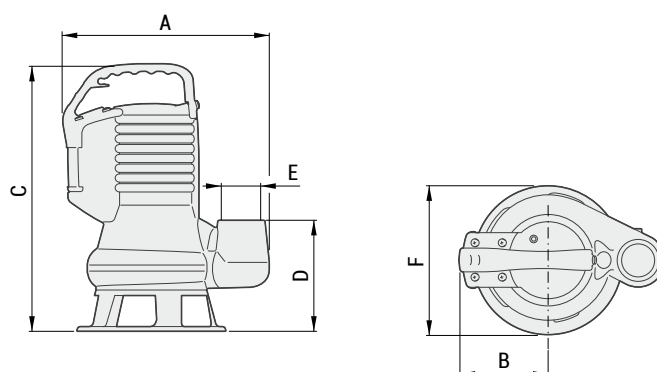
	l/s	0	1	2	3	4	5	6	7
	l/min	0	60	120	180	240	300	360	420
	m³/h	0	3.6	7.2	10.8	14.4	18.0	21.6	25.2
①	DG blue 40/2/G40V A1BM5	6.0	5.2	4.0	2.8	1.7			
②	DG blue 50/2/G40V A1BM5	7.6	6.7	5.5	4.2	2.9	1.6		
③	DG blue 75/2/G40V A1BM5	10.1	9.5	8.5	7.2	5.7	4.2	2.6	
④	DG blue 100/2/G40V A1BM5	11.6	11.2	10.2	9.1	7.6	6.0	4.3	2.7



Characteristic curves according to UNI EN ISO 9906

Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage	
①	DG blue 40/2/G40V A1BM5	230	1	-	0.3	2.3	2900	Dir	3G1	G 1½"	40 mm
②	DG blue 50/2/G40V A1BM5	230	1	-	0.37	2.8	2900	Dir	3G1	G 1½"	40 mm
③	DG blue 75/2/G40V A1BM5	230	1	-	0.55	4.1	2900	Dir	3G1	G 1½"	40 mm
④	DG blue 100/2/G40V A1BM5	230	1	-	0.74	5.6	2900	Dir	3G1	G 1½"	40 mm

Overall dimensions and weights

	A	B	C	D	E	F	kg
DG blue 40/2/G40V A1BM5	265	115	335	140	G 1 ½"	190	12.5
DG blue 50/2/G40V A1BM5	265	115	335	140	G 1 ½"	190	13
DG blue 75/2/G40V A1BM5	265	115	365	140	G 1 ½"	190	15
DG blue 100/2/G40V A1BM5	265	115	365	140	G 1 ½"	190	15.5

Dimensions in mm

Packaging dimension

	X	Y	Z
DG blue 40/2/G40V A1BM5	240	200	400
DG blue 50/2/G40V A1BM5	240	200	400
DG blue 75/2/G40V A1BM5	240	200	400
DG blue 100/2/G40V A1BM5	240	200	400

Dimensions in mm