Ed. 07/2026

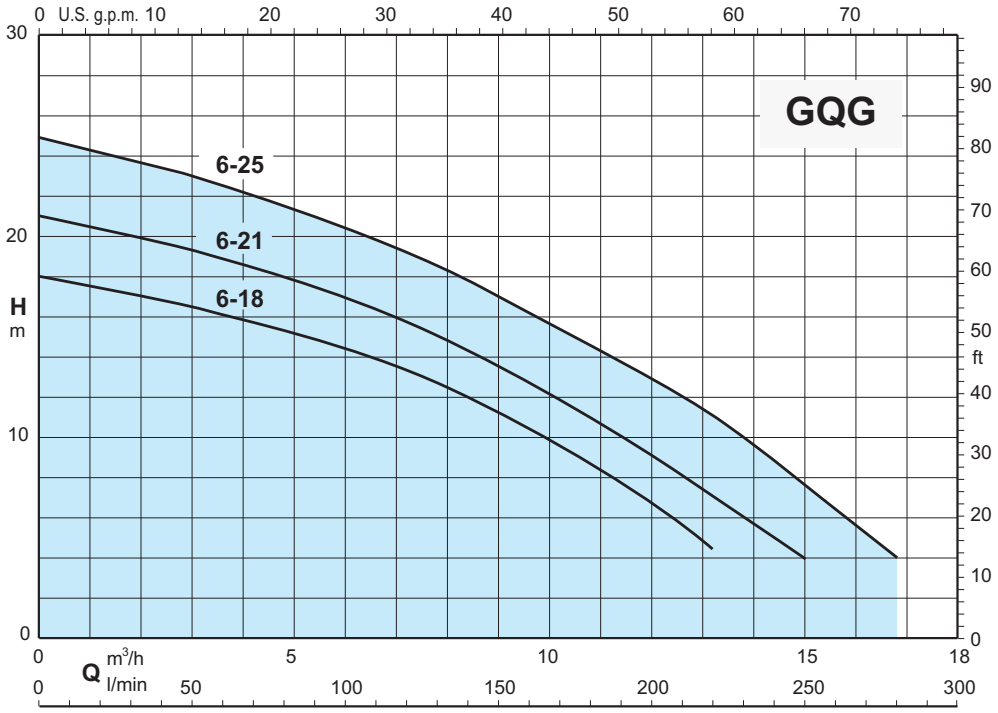
GQG 60 Hz







Coverage chart n ≈ 3450 1/min



Submersible pumps with high power grinder

GQG 60 Hz

Construction

Submersible pumps with high-power grinding system, with threaded horizontal delivery port G 1 1/2 and flanged DN 32 PN 6.
Double mechanical shaft seal with interposed oil chamber, to protect against dry-running.

Applications

To move water containing long filamentary materials, paper or textile material.
They are particularly suitable for use in domestic, residential and industrial installations
Solid passage Ø 6 mm

Operating conditions

Maximum liquid temperature: 35 °C
Immersion depth: 5 m max
Minimum immersion depth: 300 mm.
Continuous duty (with submerged motor).

Motor

2-pole induction motor, 60 Hz (n ≈ 3450 rpm).
GQG: three-phase 220 V, 380 V, 440 V.
GQGM: single-phase 110 V, 127 V, 220 V.
With switch and float, thermal protector and control panel with starting capacitors.
H07RN-F cable, 4G1 mm², (4G1.5 mm² for GMGM 6-25), length 10 m.
Insulation class F.
Protection IP X8 (for continuous immersion).
Triple impregnation humidity-proof dry winding
Constructed in accordance with EN 60034-1, EN 60335-1, EN 60335-2-41.

Special features on request

Other voltages.
Frequency 60 Hz (as per 60 Hz data sheet).
Other mechanical seal.
Cable length 20 m.
Vertical magnetic float switch.
Three-phase pumps with incorporated float switch.

Designation

Example: GQGM 6-21-60
GQ = Series
G = Submersible pumps with high power grinder
M = Single-phase (no indication: three-phase)
6 = Passage of solids Ø mm
21 = Total head in m indoors
60 = Frequency 60 Hz

Materials

Components	Materials
Pump casing	Cast iron GJL 200 EN 1561
Impeller	Cast iron GJL 200 EN 1561
Casing cover	Cast iron GJL 200 EN 1561
Rotating blade	Steel 1.4125 EN 10088 (AISI 440C)
Fixed cutting blade	Steel 1.4125 EN 10088 (AISI 440C)
motor jacket	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Jacket cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Handle	Polypropylene (with frame made of 1.4301 EN 10088 (AISI 304))
Shaft	Chrome-nickel steel 1.4305 EN 10088 (AISI 303)
Upper mechanical seal	Ceramic / Carbon / NBR
Lower mechanical seal	Ceramic / Carbon / NBR
Seal lubrication oil	Oil for food/pharmaceutical machinery

Performance n ≈ 3450 1/min

Three-phase

				Q = Flow								
				m³/h	0	3	6	9	12	13,2	15	16,8
Model	380V	P2		l/min		50	100	150	200	220	250	280
	A	kW	HP	H (m) = Total head								
GQG 6-18-60	2.8	0.9	1.2		18	16,5	14,5	11,2	6,5	4,5	-	-
GQG 6-21-60	3,4	1,1	1,5		21	19,2	17	13,5	9	7	4	-
GQG 6/25-60	4	1.5	2		25	23	20,5	17	13	11	7,8	4

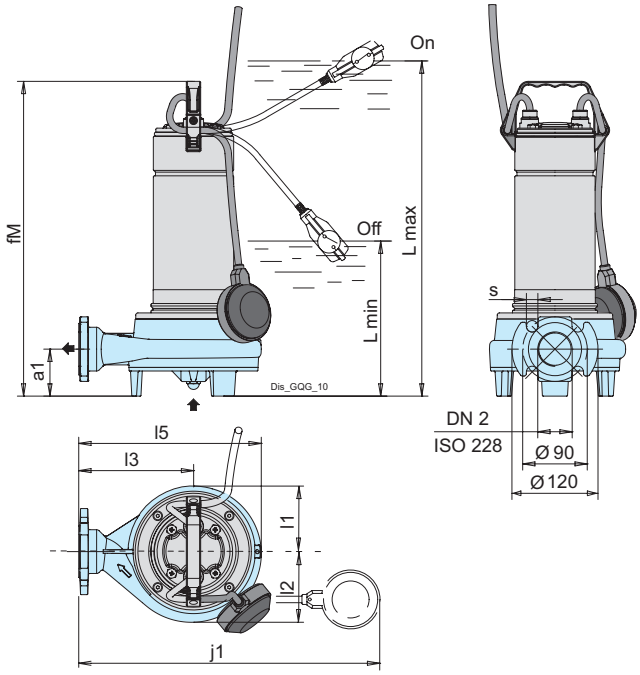
Single-phase

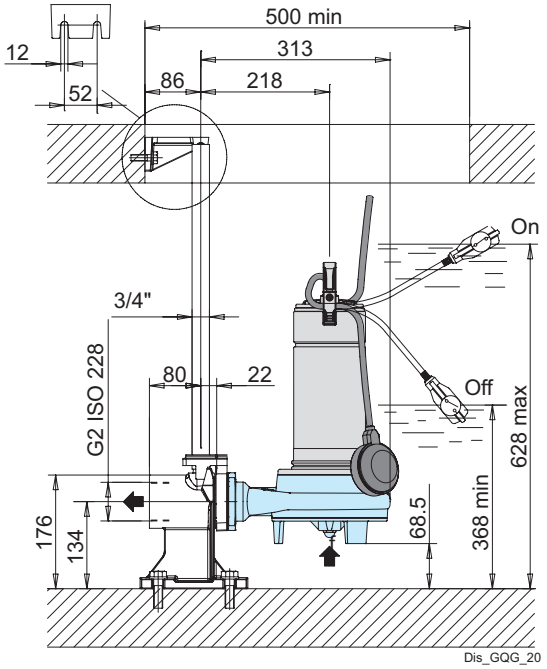
							Q = Flow							
							m³/h	0	3	6	9	12	13,2	15	16,8
Model	220V	Capacitor		P2		P1	l/min		50	100	150	200	220	250	280
	A	Vc	uf	kW	HP	kW	H (m) = Total head								
GQGM 6-18-60	8,5	450	30+80	0,9	1,2	1,8		18	16,5	14,5	11,2	6,5	4,5	-	-
GQGM 6-21-60	9,4	450	30+80	1,1	1,5	2		21	19,2	17	13,5	9	7	4	-
GQGM 6-25-60	11	450	30+80	1,5	2	2,25		25	23	20,5	17	13	11	7,8	4

P1: Maximum power input.
P2: Rated motor power output.
ρ: Density 1000kg/m³
υ: Kinematic viscosity max 20 mm²/sec.

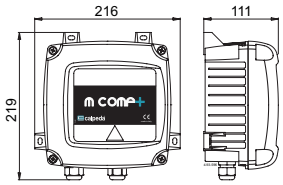
GQG 60 Hz

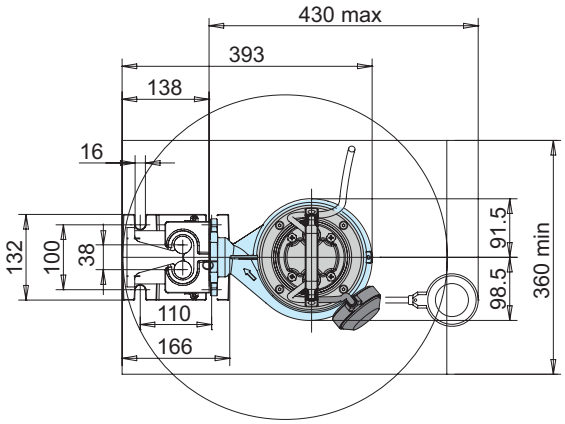
Dimensions and weight





GQGM
Control with box starting capacitors





TYPE	ISO 228	mm							kg
	DN2	a1	fM	l1	l2	l3	l5	s	Weight
GQG 6-18-60	G1 1/2 (DN32)	65	485	91	99	160	255	16	18.9
GQG 6-21-60	G1 1/2 (DN32)	65	485	91	99	160	255	16	19.2
GQG 6/25-60	G1 1/2 (DN32)	65	485	91	99	160	255	16	18.7

TYPE	ISO 228	mm									kg
	DN2	a1	fM	l1	l2	l3	l5	Lmax	Lmin	s	Weight
GQGM 6-18-60	G1 1/2 (DN32)	65	485	91	99	160	255	560	300	16	20.5
GQGM 6-21-60	G1 1/2 (DN32)	65	485	91	99	160	255	560	300	16	22
GQGM 6-25-60	G1 1/2 (DN32)	65	485	91	99	160	255	560	300	16	20.7

weights with cable length: 10 m