

# Technical Data

## Electric Pumps > Drainage

### > GM10 - Submersible



Code	Type	HP
POC290	GM10	0,40

#### DESCRIPTION:

##### Specifics

- Submersible drainage pump
- Power supply: 230 V 50 Hz
- Supplied with 5 mt neoprene cable H07-RN-F and Shuko plug
- Ports: threaded - out  $\varnothing$  1"½
- With on/off float
- B class insulation
- Housing well: 350 x 350 h 300 mm
- Flow-rate: 0 ÷ 200 l/m
- Head up: 7,5 ÷ 2,2 mH2O
- Immersion depth max: 5 mt

##### Materials

- Pump body, motor casing, suction filter: tecnopolymer
- Impeller Noryl
- Shaft in AISI 430 stainless steel

Single-phase	230V A	Capacitor		P <sub>1</sub>			P <sub>2</sub>			Q	m <sup>3</sup> /h					
		µF	V	kW	kW	HP	0	3	6		9	12	0	50	100	150
GM 10	1,75	6,3	450	0,4	0,3	0,4	mH2O			7,5	6,5	5,2	3,7	2,2		

P<sub>1</sub> Maximum absorbed power - P<sub>2</sub> Motor rated power

### > GXR - Submersible



#### THREE-PHASE 230/400 V

Code	Type	HP
POC293	GXR 9	0,33
POC294	GXR 11	0,5
POC295	GXR 13	0,6

#### SINGLE-PHASE 230 V

Code	Type	HP
POC296	GXRM 9	0,33
POC297	GXRM 11	0,5
POC298	GXRM 13	0,6

#### DESCRIPTION:

##### Specifics

- Submersible open single-impeller pump
- Flow-rate: 20 ÷ 220 l/m
- Head up: 11,7 ÷ 1,7 mH2O
- Ports: threaded - out  $\varnothing$  1"¼
- Power supply: 400 V 50 Hz  
220 V 50 Hz
- Protection degree: IP X8
- With on/off float
- Immersion depth max: 5 mt
- Emptying minimum level: by float: 70 mm  
manual: 15 mm
- Supplied with 5 mt neoprene cable H07-RN-F and Shuko plug
- Continuous service

##### Materials

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304
- Shaft: AISI 303 stainless steel

Three-phase	A		Single-phase	230V A	Capacitor		P <sub>1</sub>			P <sub>2</sub>			Q	m <sup>3</sup> /h												
	230V	400V			µF	Vc	kW	kW	HP	0	1,2	3,0		4,5	6,0	7,5	9,0	10,2	12,0	13,2	0	20	50	75	100	125
GXR 9	1,6	0,9	GXRM 9	2,5	8	450	0,5	0,25	0,33	H m																
GXR 11	2,3	1,3	GXRM 11	3,5	12,5	450	0,7	0,37	0,5	9,0	8,3	7,0	6,0	4,8	3,6	2,5	1,7	11,0	10,4	9,5	8,5	7,5	6,5	5,3	4,2	2,2
GXR 13	2,8	1,6	GXRM 13	4,5	16	450	0,95	0,45	0,6	12,7	11,7	10,7	9,7	8,5	7,3	6,3	5,2	3,2	2,0							

P<sub>1</sub> Maximum absorbed power - P<sub>2</sub> Motor rated power

Density  $\rho$  = 1000 kg/m<sup>3</sup> - Kinematic viscosity  $\nu$  = max 20 mm<sup>2</sup>/sec



# Technical Data

## Electric Pumps > Drainage

### > GQR12 - Submersible - Threaded - with Float



Code	Type	HP
POC377	GQRM 10-12	0,75
POC378	GQRM 10-14	1
POC379	GQRM 10-18	1,5
POC380	GQRM 10-20	2

#### DESCRIPTION:

##### Specifics

- Single impeller submersible with open impeller
- Flow-rate: 50 ÷ 500 l/m
- Head up: 20 ÷ 1,5 mH2O
- Ports: threaded - out Ø 1"½
- Power supply: 230 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 mt
- Immersion depth min: 205 mm
- Supplied with 10 mt neoprene cable H07-RN-F and Shuko plug
- With float on/off
- Continuous service

##### Materials

- Pump body: cast iron
- Pump cap: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 304 stainless steel

Single-phase	230V A	Capacitor		P <sub>1</sub>		P <sub>2</sub>		Q	m <sup>3</sup> /h													
		µF	Vc	kW	HP	kW	HP		0	3	6	9	12	15	18	21	24	27	30			
GQRM 10-12	3,6	16	450	1	0,75	0,55	0,75	mH2O	12,0	11,6	11,0	10,2	9,0	7,5	5,5	3,2						
GQRM 10-14	4,6	16	450	1	0,75	0,75	1		14,0	13,5	12,8	12,0	10,8	9,3	7,5	5,5	3,0					
GQRM 10-18	8	30	450	1,7	1,1	1,1	1,5		18,0	17,5	17,0	16,2	15,0	13,7	11,8	9,0	7,0	4,3	1,5			
GQRM 10-20	13	35	450	2,2	1,5	1,5	2		20,0	19,5	18,8	18,0	16,8	15,2	13,2	10,8	8,4	5,7	3,0			

P<sub>1</sub> Maximum absorbed power - P<sub>2</sub> Motor rated power  
Density ρ = 1000 kg/m<sup>3</sup> - Kinematic viscosity ν = max 20 mm<sup>2</sup>/sec

### > GQG - Submersible - Grinder



Code	Type	HP
POC330	GQG 6-18 CG	1,2
POC331	GQG 6-21 CG	1,5
POC332	GQG 6-25 CG	2

#### DESCRIPTION:

##### Specifics

- Submersible pump with high power grinder
- Flow-rate: 50 ÷ 280 l/m
- Head up: 25 ÷ 4 mH2O
- Ports: OUT - threaded Ø 1"½ -
- flanged DN32
- Power supply: 400 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 mt
- Immersion depth min: 300 mm

##### Materials

- Pump body and cap: cast iron
- Rotation cutting blade/fixe: 440C
- Motor jacket: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 303/430 stainless steel

Three-phase	A		P <sub>1</sub>		P <sub>2</sub>		Q	m <sup>3</sup> /h							
	230V	400V	kW	HP	kW	HP		0	3,0	6,0	9,0	12,0	13,2	15,0	16,8
GQG 6-18	4	2,3	1,3	0,9	1,2	mH2O	18,0	16,5	14,5	11,2	6,5	4,5			
GQG 6-21	4,8	2,8	1,5	1,1	1,5		21,0	19,2	17,0	13,5	9,0	7,0	4,0		
GQG 6-25	6,6	3,8	2	1,5	2		25,0	23,0	20,5	17,0	13,0	11,0	7,8	4,0	

P<sub>1</sub> Maximum absorbed power - P<sub>2</sub> Motor rated power  
Density ρ = 1000 kg/m<sup>3</sup> - Kinematic viscosity ν = max 20 mm<sup>2</sup>/sec

### > GQG - Submersible - Grinder - with Float



Code	Type	HP
POC333	GQGM 6-18 CG	1,2
POC334	GXRM 6-21 CG	1,5
POC335	GXRM 6-25 CG	2

#### DESCRIPTION:

##### Specifics

- Submersible pump with high power grinder
- Flow-rate: 50 ÷ 280 l/m
- Head up: 25 ÷ 4 mH2O
- Ports: out - threaded out Ø 1"½ - flanged DN32
- Power supply: 230 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 mt
- Immersion depth min: 300 mm
- On/off float
- Control panel with start capacitors

##### Materials

- Pump body and cap: cast iron
- Rotation cutting blade/fix: 440C
- Motor jacket: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 303/430 stainless steel

Single-phase	230V A	Capacitor		P <sub>1</sub> kW	P <sub>2</sub>		Q	m <sup>3</sup> /h							
		μF	Vc		kW	HP		0	3,0	6,0	9,0	12,0	13,2	15,0	16,8
GQGM 6-18	7	30+80	450	1,3	0,9	1,2	mH2O	0	50	100	150	200	220	250	280
GQGM 6-21	7,5	30+80	450	1,5	1,1	1,5		18,0	16,5	14,5	11,2	6,5	4,5		
GQGM 6-25	9,5	30+80	450	2	1,5	2		21,0	19,2	17,0	13,5	9,0	7,0	4,0	
								25,0	23,0	20,5	17,0	13,0	11,0	7,8	4,0

P<sub>1</sub> Maximum absorbed power - P<sub>2</sub> Motor rated power  
 Density ρ = 1000 kg/m<sup>3</sup> - Kinematic viscosity ν = max 20 mm<sup>2</sup>/sec