

# LOWARA BG

## centrifugal pumps



### Self-priming pumps

#### **Description**

The BG series of self-priming pumps is a series of pumps suitable for light applications and domestic use. The pumps are partially made of 304 stainless steel and available in a 1-phase (BGM) and a 3-phase (BG) version.

#### **Applications**

- o pressure boosting systems
- o irrigation
- o water supply
- o washing/flushing installations

#### **Specifications**

- o suitable for clean liquids and continuous use
- o design: stainless steel 304 and technopolymer
- o capacity: up to 4,2 m<sup>3</sup>/h
- o head: up to 46 mwk
- o maximum pressure: 8 bar
- o fluid temperature: -10 °C to + 40 °C
- o asynchronous motor IE2
- o insulation class: F
- o protection class: IP55
- o suction connection: 1¼"
- o pressure connection: 1"
- o motor power P2: up to 1,1 kW
- o 1-phase version with capacitor and built-in thermal protector
- o voltages:
  - 1-phase 220-240 Volt 50 Hz
  - 3-phase 220-240/380-415 Volt 50 Hz
- o On request also suitable for the North American market (cURus)
- o BGM (Garden) includes handle, switch and cord



## Capacity table BG series at 50 Hz, 2-pole

PUMPTYPE	RATED POWER		Q = CAPACITY									
			l/min	10	17,5	25	32,5	40	47,5	55	62,5	70
			m <sup>3</sup> /h	0,6	1,1	1,5	2,0	2,4	2,9	3,3	3,8	4,2
1~	kW	pk	H= TOTAL HEAD IN METRES COLUMN OF WATER									
BGM3	0,55	0,75	38,9	32,5	28,5	25,2	22,1	19,2	16,3			
BGM5	0,75	1	41,5	37,1	34,2	31,7	29,3	27,0	24,6	22,0		
BGM7	0,8	1,1	45,6			36,6	34,2	31,8	29,5	27,3		
BGM11	1,1	1,5	52,9			43,9	41,5	39,2	37,0	34,7	32,4	30,0

PUMPTYPE	RATED POWER		Q = CAPACITY									
			l/min	10	17,5	25	32,5	40	47,5	55	62,5	70
			m <sup>3</sup> /h	0,6	1,1	1,5	2,0	2,4	2,9	3,3	3,8	4,2
3~	kW	pk	H= TOTAL HEAD IN METRES COLUMN OF WATER									
BG3	0,4	0,5	36,9	30,6	26,8	23,5	20,6	17,7	14,8			
BG5	0,55	0,75	40,2	35,7	32,9	30,3	28,0	25,7	23,3	20,7		
BG7	0,75	1	45,4			36,5	34,0	31,7	29,4	27,1		
BG9	0,9	1,2	49,6			39,4	37,0	34,8	32,8	30,9	29,2	
BG11	1,1	1,5	53,2			44,1	41,8	39,5	37,3	35,0	32,7	30,3

## Motor data BG series at 50 Hz, 2-pole

PUMPTYPE	MOTORTYPE	OPGEN. VERMOGEN	NOM. STROOM	CONDENSATOR
1~		kW	220-240 V A	µF / 450 V
BGM3	SM63BG/1045	0,67	2,87	16
BGM5	SM80BG/1075	0,85	3,79	25
BGM7	SM80BG/1085	1,04	4,63	25
BGM11	SM80BG/1115	1,34	5,92	30

PUMPTYPE	MOTORTYPE	OPGEN. VERMOGEN	NOM. STROOM	NOM. STROOM
3~		kW	220-240 V A	380-415 V A
BG3	SM63BG/304	0,68	2,56	1,48
BG5	SM71BG/305	0,81	2,74	1,58
BG7	SM80BG/307PE	1,02	3,17	1,83
BG9	SM80BG/311PE	1,11	3,78	2,18
BG11	SM80BG/311PE	1,30	4,16	2,40