

BG SERIES

SELF-PRIMING CENTRIFUGAL PUMPS

Close-coupled centrifugal pumps with built-in ejector system, designed to remain primed even in the presence of water-dissolved gases. The extensive use of pressed stainless steel ensures a high-performance, durable and lightweight pump.

- ❑ **“GARDEN” VERSION AVAILABLE WITH HANDLE, TERMINAL BOX WITH INCORPORATED SWITCH AND 2 m CABLE WITH PLUG**
- ❑ **EXTENSIVE USE OF AISI 304 OR AISI 316 STAINLESS STEEL**
- ❑ **IP 55 MOTOR PROTECTION**

APPLICATIONS

- Water handling for domestic use.
- Lawn sprinkling.
- Composition of surge tank units for pressure boosting in various applications.
- Washing and transfer.

SPECIFICATIONS

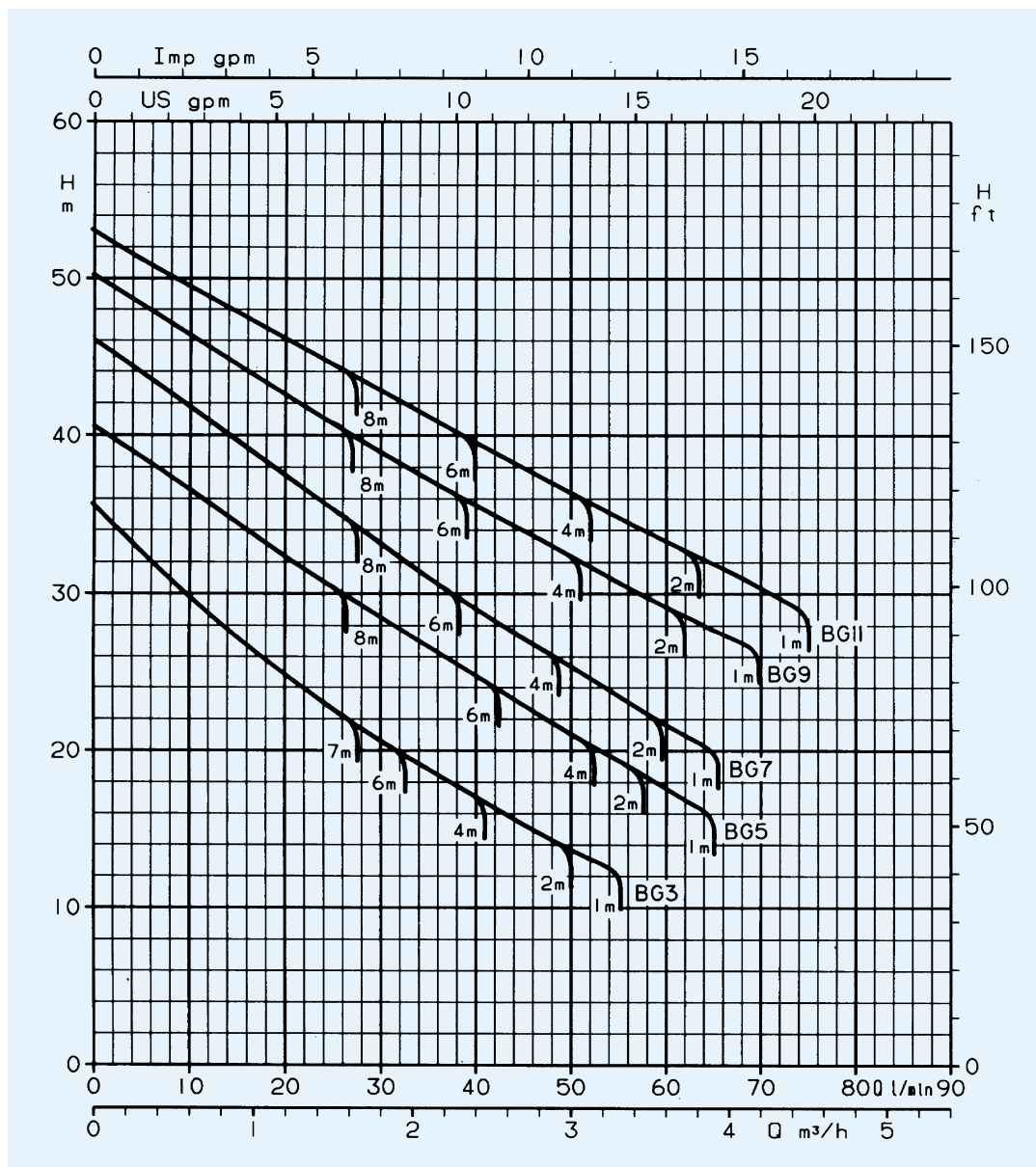
- **Delivery:** up to **74 l/min (4,4 m³/h)**.
- **Head:** up to **53 m**.
- **Maximum operating pressure:** **8 bar**.
- **Maximum total lift 8 m** (1"¼ suction pipe and foot valve for water at 20°C).
- **Continuous duty.**
- **Temperature of pumped liquid:** **-10°C to 40°C**.
- **Max ambient temperature:** **40°C**.
- Enclosed motor with external ventilation and **aluminium alloy finned casing**.
- Versions:
 - Single-phase** 220-240 V 50 Hz, permanently connected capacitor and built-in automatic reset overload protection.
 - Three-phase** 220-240/380-415 V 50 Hz, thermal overload protection to be provided by user.
- Power up to 1.1 kW.
- **Class F Insulation.**
- **IP 55 protection (IP 44 for GARDEN version).**



TABLE OF MATERIALS

PART	MATERIAL
Pump body, seal-housing, Impeller	STAINLESS STEEL (AISI 304 – DIN 1.4301)
Diffuser, Ejector	THERMOPLASTIC MATERIAL SUITABLE FOR HANDLING DRINKING WATER
Shaft extension	STAINLESS STEEL (AISI 316 – DIN 1.4571)
Fill and drain plugs	NICKEL-PLATED BRASS
Mechanical seal	CARBON/CERAMIC
O-ring seals	NBR

BG SERIES OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



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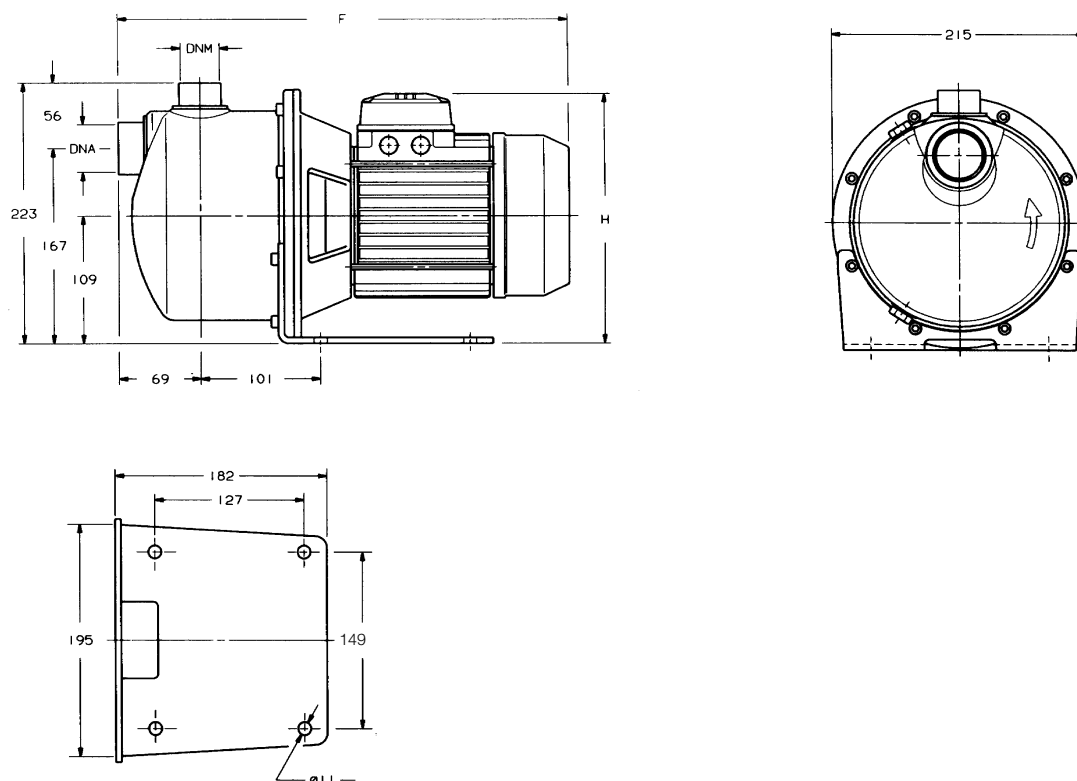
PUMP TYPE		kW	HP	ABSORBED kW		CAPACITOR		INPUT CURRENT			Q = DELIVERY								
SINGLE-PHASE 220-240 V 50 Hz	THREE-PHASE 220-240/ 380-415 V 50 Hz			SINGLE- PHASE	THREE- PHASE	μF	V	SINGLE- PHASE	THREE-PHASE 220- 240 V	380- 415 V	l/min	0	10	20	30	40	50	60	70
											m³/h	0	0,6	1,2	1,8	2,4	3	3,6	4,2
H = TOTAL HEAD METERS COLUMN OF WATER																			
BGM 3	BG 3	0,37	0,5	0,66	0,63	12,5	450	3	2,1	1,2	36	30	25	20,5	17	14	–	–	
BGM 5	BG 5	0,55	0,75	0,88	0,85	18	450	4	2,8	1,6	40,5	36,5	32,5	28,5	25	21	17,5	–	
BGM 7	BG 7	0,75	1	1,1	1,05	22	450	4,8	3,3	1,9	46	42	37,5	33	29	25	21,5	–	
BGM 9	BG 9	0,9	1,2	1,2	1,3	22	450	5,6	4,5	2,6	50	46	42,5	39	35,5	32,5	29	–	
BGM 11	BG 11	1,1	1,5	1,48	1,3	30	450	6,8	4,2	2,4	53	49,5	46	43	39,5	36	33,5	30	

Maximum delivery depends on geodetic suction lift with clean 8 m pipe and 1 1/4" foot valve.

Tested according to ISO 2548 for class C standard pumps.

These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\gamma = 1 \text{ mm}^2/\text{sec}$.

DIMENSIONS AND WEIGHTS, BG SERIES



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PUMP TYPE	kW	DIMENSIONS IN mm		DNA	DNM	WEIGHT
		F	H			kg
BG 3	0,37	383	214	Rp 1”¼	Rp 1”	10
BG 5	0,55					12
BG 7	0,75					13
BG 9	0,9					13
BG 11	1,1	421	225			16
BGM3	0,37	383	218			10
BGM5	0,55					12
BGM7	0,75					13
BGM9	0,9					13
BGM11	1,1	421	229			16