BG Series

Close-coupled self-priming 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.

Available in the "Garden" version with handle and terminal box with builtin switch.

Specifications

Delivery: up to 4.2 m^3/h
Head: up to 53 m
Power supply: three-phase and single-phase 50 and 60 Hz
Power: 0.37 kW to 1.1 kW
Maximum operating pressure: 8 bar
Maximum total lift: 8 m
Maximum ambient temperature: 40°C
Temperature of pumped liquid: -10°C to +40°C
Insulation class: F
Protection: IP55

Materials

Pump body: Stainless steel
Impeller: Stainless steel
Diffuser: Technopolymer
Ejector: Technopolymer
Seal housing: Stainless steel
Mechanical seal: Ceramic/Carbon/EPDM
Fill and drain plugs: Nickel-plated brass
Elastomers: EPDM

Applications

Water distribution

Pressure boosting

Irrigation

Washing

Rain water collection

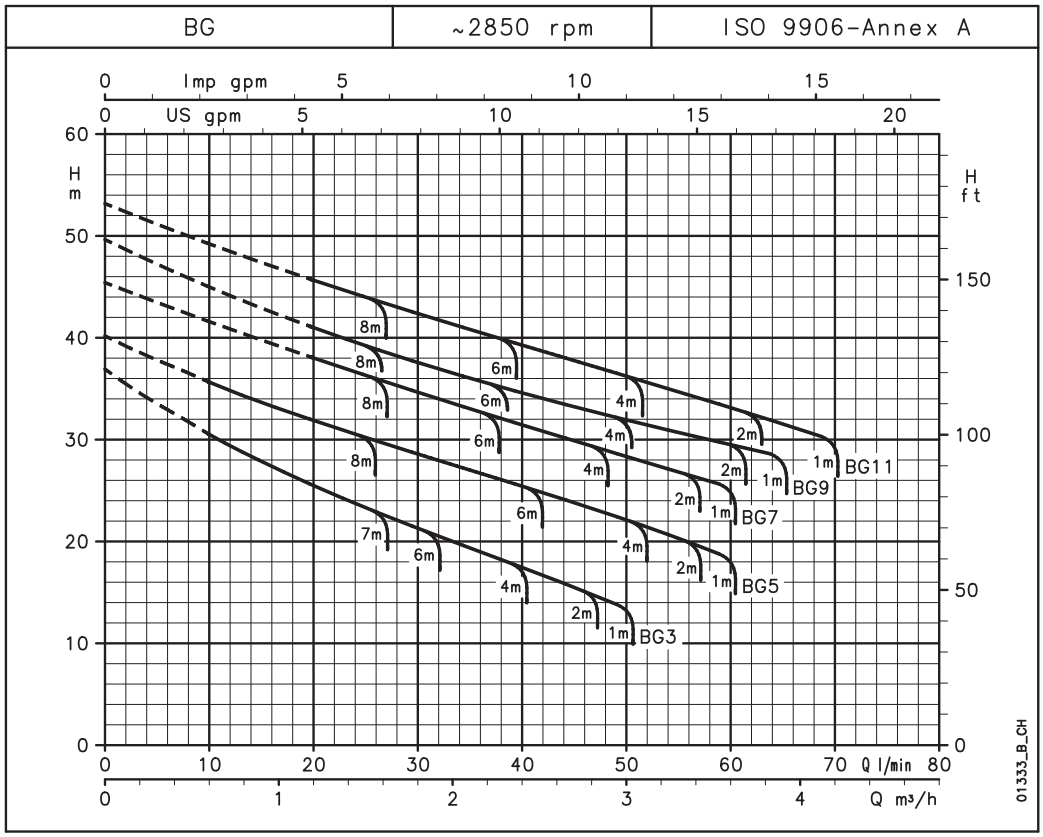
Swimming pools

Fountains



For a complete list of technical information, consult www.lowara.com

BG SERIES
Operating characteristics at 50 Hz



Hydraulic performance table

PUMP TYPE	RATED POWER		Q = DELIVERY								
			l/min	0	10	20	30	40	50	60	65	70
			m³/h	0	0,6	1,2	1,8	2,4	3	3,6	3,9	4,2
	kW	HP	H = TOTAL HEAD IN COLUMN OF WATER (METRES)									
BG(M)3	0,37	0,5	36,9	30,6	25,6	21,5	17,7	13,8			
BG(M)5	0,55	0,75	40,2	35,7	32,0	28,8	25,7	22,4	18,8		
BG(M)7	0,75	1	45,4		38,1	34,8	31,7	28,6	25,6		
BG(M)9	0,9	1,2	49,6		41,1	37,7	34,8	32,2	29,8	28,6	
BG(M)11	1,1	1,5	53,2		45,8	42,5	39,5	36,5	33,5	31,9	30,3

Maximum delivery depends on geodetic suction lift with clean 8 m pipe and 1¼" foot valve. bg-2p50_a_th

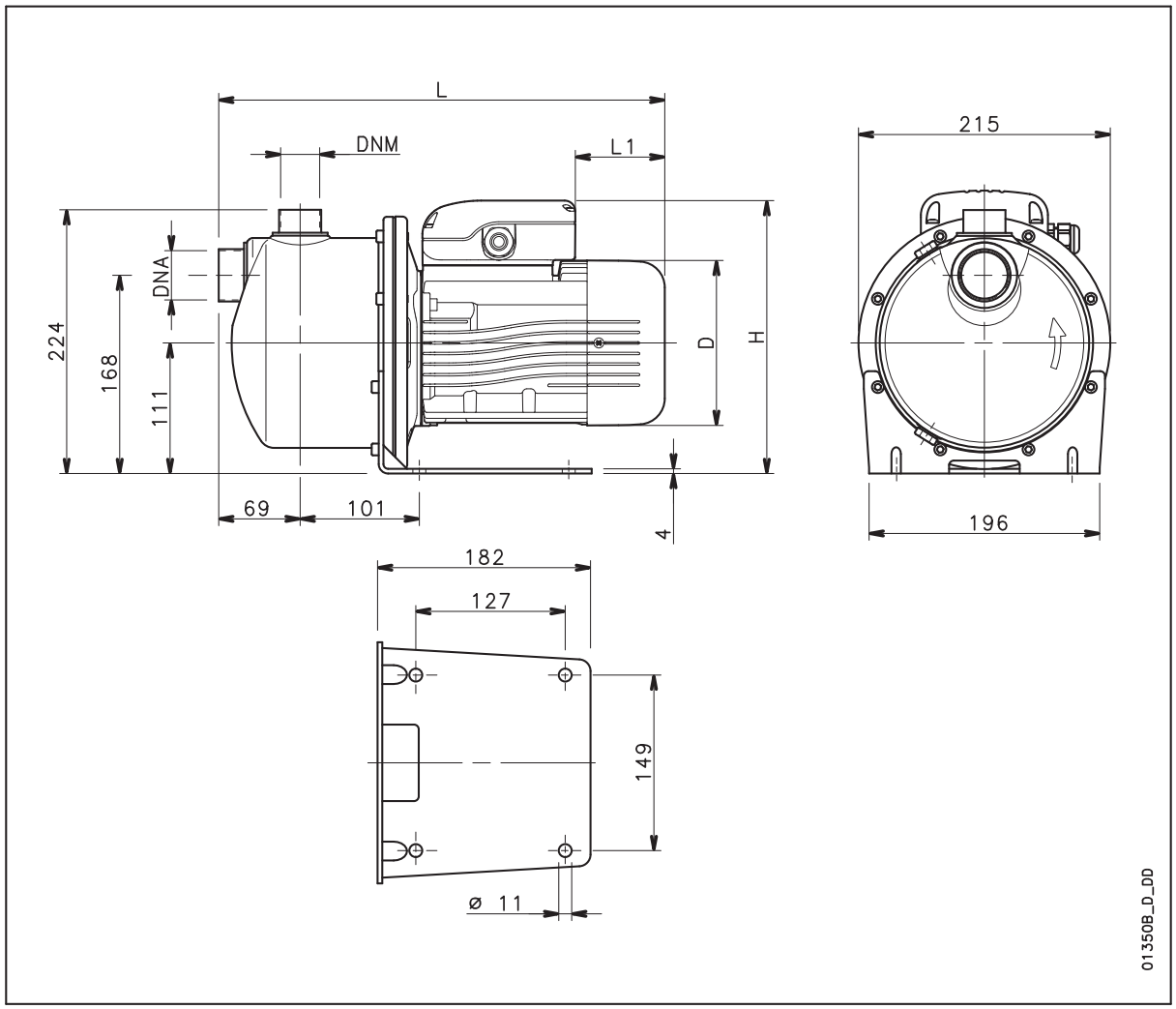
These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/s.

Electrical data

PUMP TYPE 1 ~	MOTOR TYPE	INPUT POWER* kW	INPUT CURRENT* 220-240 V A	CAPACITOR μF / 450 V	PUMP TYPE 3 ~	MOTOR TYPE	INPUT POWER* kW	INPUT CURRENT* 220-240 V A	INPUT CURRENT* 380-415 V A
BGM3	SM63BG/1045	0,67	2,96	14	BG3	SM63BG/304	0,68	2,56	1,48
BGM5	SM71BG/1055	0,91	4,33	16	BG5	SM71BG/305	0,81	2,74	1,58
BGM7	SM71BG/1075	1,11	5,00	20	BG7	SM80BG/307HE	1,07	3,32	1,92
BGM9	SM71BG/1095	1,24	5,54	25	BG9	SM80BG/311HE	1,15	3,65	2,11
BGM11	SM80BG/1115	1,43	6,47	30	BG11	SM80BG/311HE	1,34	4,12	2,38

*Maximum value in specified range. bg-2p50-en_b_te

BG SERIES
Dimensions and weights



PUMP TYPE	DIMENSIONS (mm)				DNA	DNM	WEIGHT
	D	L	L1	H			kg
BGM3	120	366	62	222	Rp 1¼	Rp 1	10
BGM5	140	380	76	232	Rp 1¼	Rp 1	12
BGM7	140	380	76	232	Rp 1¼	Rp 1	13
BGM9	140	380	31	241	Rp 1¼	Rp 1	13
BGM11	156	425	69	248	Rp 1¼	Rp 1	16
BG3	120	366	62	222	Rp 1¼	Rp 1	10
BG5	140	380	76	232	Rp 1¼	Rp 1	12
BG7	155	425	114	240	Rp 1¼	Rp 1	17
BG9	155	425	114	240	Rp 1¼	Rp 1	19
BG11	155	425	114	240	Rp 1¼	Rp 1	19

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