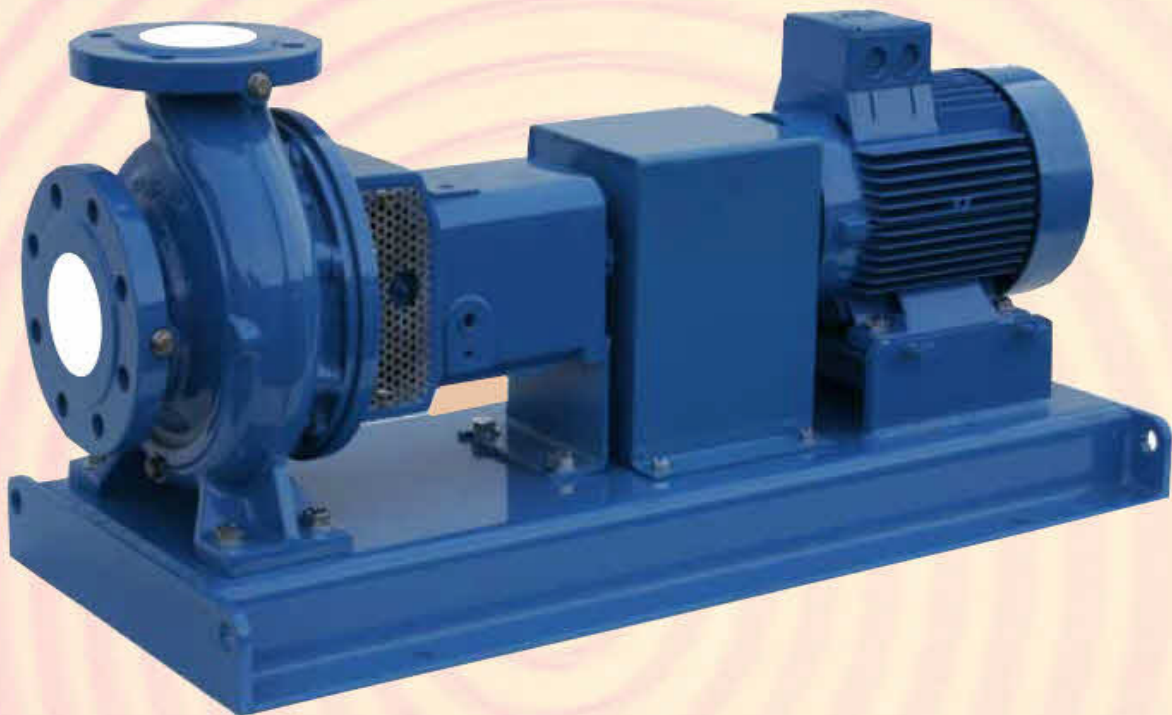


NEUTRONE®

BG SERIES
END SUCTION CENTRIFUGAL PUMP

ISO 2858



APPLICATIONS

- * Air Conditioning
- * Fire Protection
- * Circulating
- * Irrigation
- * Pressure Boosting
- * Water Treatment & Supply
- * Plumbing
- * Liquid Transfer
- * Drainage
- * De-watering
- * Cooling Towers
- * Refrigeration

NEUTRONE®

BG SERIES END SUCTION CENTRIFUGAL PUMP

The BG range has been designed to international standard ISO2858 ensuring a sturdy & reliable, long lasting, high performing product.

Applications

Water Supply

Commercial irrigation, booster stations, municipal water supply, flood irrigation, general transfer.

Industry

Cooling tower transfer, refrigeration systems, commercial fountains, condensate recovery, dairy wash down packages.

Environmental

Dust suppression in mining & quarry applications, fume scrubbers for odour control, water treatment transfer & filtration.

Leisure

Circulation in large aquatic centres, backwash filtration in commercial pools, water features & commercial fountains.

Building Services

Commercial heating, air conditioning systems, pressure boosting, cooling tower & fire fighting applications.

Pumped Liquids

Non aggressive & non combustible liquids. Clean low viscous liquids free of fibres or particles.

Operating Conditions

BG Series Bareshaft Pumps

Maximum flow ————— 900 m³/hr
Maximum total heads ————— 160 m
Liquid temperature* ————— -15 to 140°C
Operating pressure ————— 16 Bar

* With optional high temperature seal.

Design Features

Bronze wear rings - fitted as standard, replaceable front & rear wear rings with optional materials, for a trouble free lifecycle.

Impeller - cast iron closed design is fitted as standard to prevent corrosion in stationary. Cast SS304 or SS316 are available on request. Impeller diameters can be trimmed to specified performance. BG series impellers are dynamically balanced, vibration free operation, preventing premature bearing failure.

Pump casing - highly efficient cast iron volute casings, with flanges rated to PN16.

Casing o-ring - re-usable o-rings in Nitrile for ease of re-assembly (optional materials available).

Shaft seal - single, high quality or approved equivalent mechanical seal with carbon vs ceramic fitted as standard to all BG series pumps with other options such as silicone vs silicone or high temperature also available.

Tappings - convenient suction & discharge pressure gauge tappings plus volute drain, fitted as standard.

Model Designation (Examples)

BG 200-400

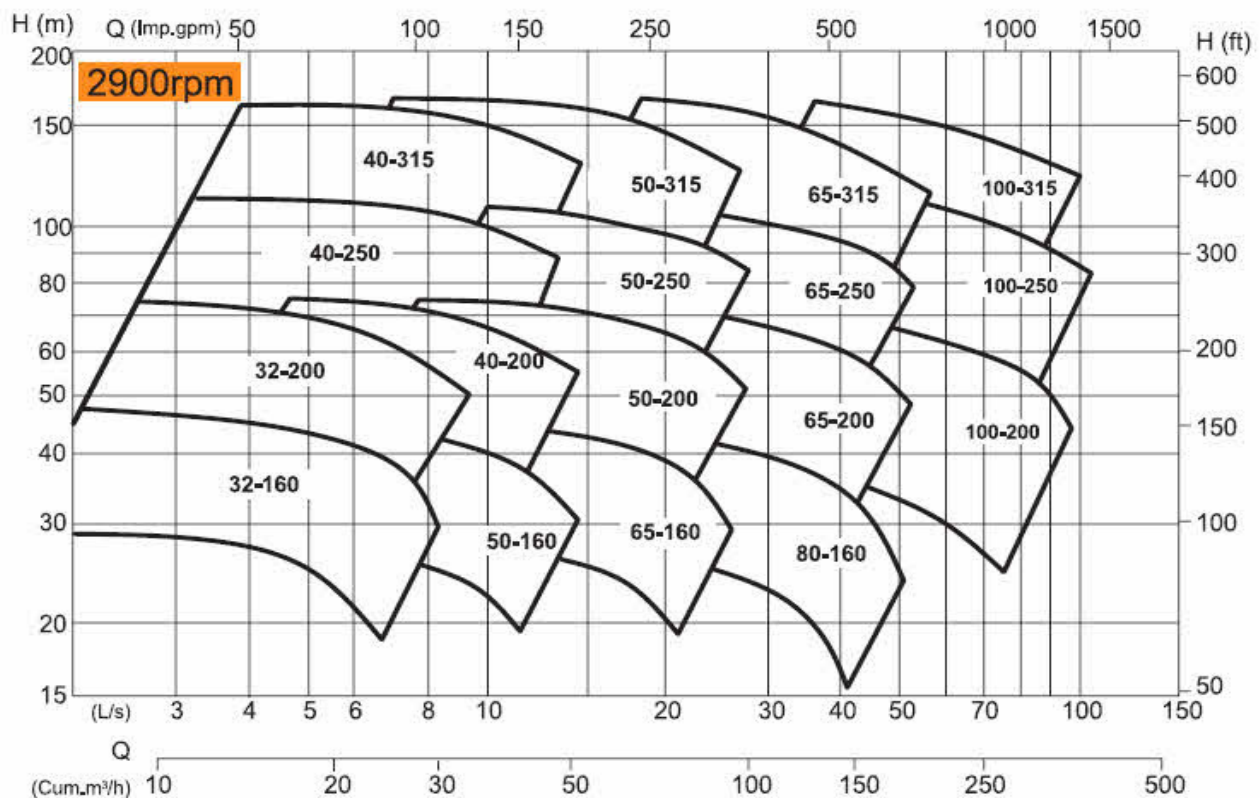
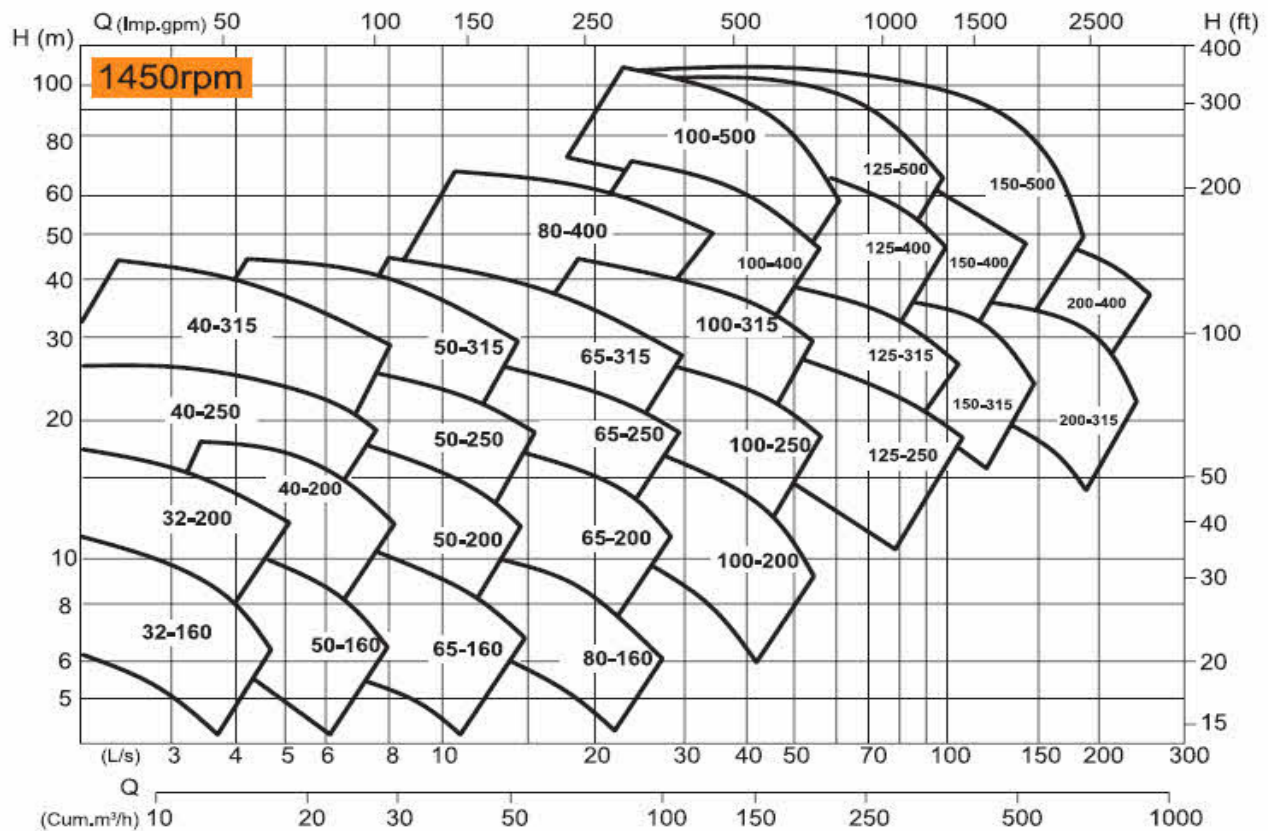
————— Nominal diameter of impeller (mm)

————— Diameter of outlet (mm)

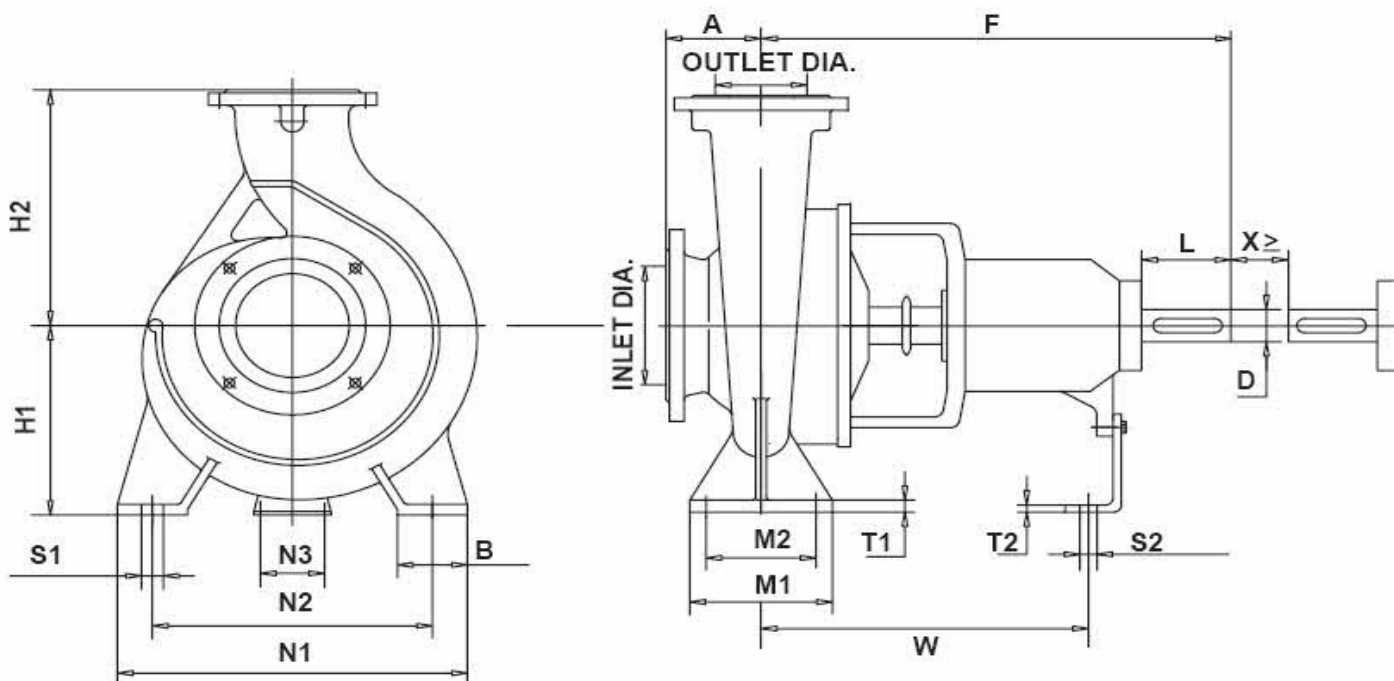
————— Bareshaft pump End suction centrifugal

NEUTRONE®

BG SERIES END SUCTION CENTRIFUGAL PUMP



BG SERIES



| Pump Model | Pump End | | | Shaft No | Pump dimensions | | | | Mounting Dimensions | | | | | | | | | Bolt Holes | | Shaft End | | Gap | Wt |
|------------|----------|-----|-----|----------|-----------------|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|----|----|-----|------------|-----|-----------|-----|-----|-----|
| | In | Out | Imp | | | A | F | H1 | H2 | B | M1 | M2 | N1 | N2 | N3 | T1 | T2 | W | S1 | S2 | D | L | X≥ |
| 32-160 | 50 | 32 | 160 | 1 | 80 | 385 | 132 | 160 | 50 | 100 | 70 | 240 | 190 | 110 | 12 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 38 |
| 32-200 | 50 | 32 | 200 | 1 | 80 | 385 | 160 | 180 | 50 | 100 | 70 | 240 | 190 | 110 | 12 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 46 |
| 50-160 | 65 | 50 | 160 | 1 | 80 | 385 | 132 | 160 | 50 | 100 | 70 | 240 | 190 | 110 | 12 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 40 |
| 40-200 | 65 | 40 | 200 | 1 | 100 | 385 | 160 | 180 | 50 | 100 | 70 | 265 | 212 | 110 | 13 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 48 |
| 40-250 | 65 | 40 | 250 | 2 | 100 | 500 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 110 | 14 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 70 |
| 40-315 | 65 | 40 | 315 | 2 | 125 | 500 | 200 | 250 | 65 | 125 | 95 | 345 | 280 | 110 | 16 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 80 |
| 65-160 | 80 | 65 | 160 | 1 | 100 | 385 | 160 | 180 | 50 | 100 | 70 | 265 | 212 | 110 | 13 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 46 |
| 50-200 | 80 | 50 | 200 | 1 | 100 | 385 | 160 | 200 | 50 | 100 | 70 | 265 | 212 | 110 | 13 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 52 |
| 50-250 | 80 | 50 | 250 | 2 | 125 | 500 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 110 | 15 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 72 |
| 50-315 | 80 | 50 | 315 | 2 | 125 | 500 | 225 | 280 | 65 | 125 | 95 | 345 | 280 | 110 | 18 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 87 |
| 80-160 | 100 | 80 | 160 | 2 | 100 | 500 | 160 | 200 | 65 | 125 | 95 | 280 | 212 | 110 | 14 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 68 |
| 65-200 | 100 | 65 | 200 | 2 | 100 | 500 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 110 | 14 | 6 | 370 | M12 | M12 | 32 | 80 | 140 | 70 |
| 65-250 | 100 | 65 | 250 | 2 | 125 | 500 | 200 | 250 | 80 | 160 | 120 | 360 | 280 | 110 | 16 | 6 | 370 | M16 | M12 | 32 | 80 | 140 | 80 |
| 65-315 | 100 | 65 | 315 | 3 | 125 | 530 | 225 | 280 | 80 | 160 | 120 | 400 | 315 | 110 | 18 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 118 |
| 80-400 | 125 | 80 | 400 | 3 | 125 | 530 | 280 | 355 | 80 | 160 | 120 | 435 | 355 | 110 | 20 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 165 |
| 100-200 | 125 | 100 | 200 | 2 | 125 | 500 | 200 | 280 | 80 | 160 | 120 | 360 | 280 | 110 | 17 | 6 | 370 | M16 | M12 | 32 | 80 | 140 | 85 |
| 100-250 | 125 | 100 | 250 | 3 | 140 | 530 | 225 | 280 | 80 | 160 | 120 | 400 | 315 | 110 | 18 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 126 |
| 100-315 | 125 | 100 | 315 | 3 | 140 | 530 | 250 | 315 | 80 | 160 | 120 | 400 | 315 | 110 | 19 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 135 |
| 100-400 | 125 | 100 | 400 | 3 | 140 | 530 | 280 | 355 | 100 | 200 | 150 | 500 | 400 | 110 | 20 | 6 | 370 | M20 | M12 | 42 | 110 | 140 | 175 |
| 100-500 | 125 | 100 | 500 | 4 | 160 | 670 | 355 | 450 | 100 | 200 | 150 | 550 | 450 | 110 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 313 |
| 125-250 | 150 | 125 | 250 | 3 | 140 | 530 | 250 | 355 | 80 | 160 | 120 | 400 | 315 | 110 | 19 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 140 |
| 125-315 | 150 | 125 | 315 | 3 | 140 | 530 | 280 | 355 | 100 | 200 | 150 | 500 | 400 | 110 | 20 | 6 | 370 | M20 | M12 | 42 | 110 | 140 | 150 |
| 125-400 | 150 | 125 | 400 | 3 | 140 | 530 | 315 | 400 | 100 | 200 | 150 | 500 | 400 | 110 | 21 | 6 | 370 | M20 | M12 | 42 | 110 | 140 | 186 |
| 125-500 | 150 | 125 | 500 | 4 | 160 | 670 | 355 | 450 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 336 |
| 150-315 | 200 | 150 | 315 | 4 | 160 | 670 | 315 | 400 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 222 |
| 150-400 | 200 | 150 | 400 | 4 | 160 | 670 | 315 | 450 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 300 |
| 150-500 | 200 | 150 | 500 | 4 | 160 | 670 | 400 | 500 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 382 |
| 200-315 | 250 | 200 | 315 | 4 | 180 | 670 | 315 | 450 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 277 |
| 200-400 | 250 | 200 | 400 | 4 | 180 | 670 | 355 | 500 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 340 |