

**NEUTRONE**

**SINGLE STAGE BACK PULL-OUT  
END SUCTION CENTRIFUGAL PUMP**

**BP SERIES**



**APPLICATIONS**

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



# NEUTRONE

## SINGLE STAGE BACK PULL-OUT END SUCTION CENTRIFUGAL PUMP

### BP SERIES

#### Description

Volute casing centrifugal end suction pump with Back Pull-Out (BPO) feature, main dimensions and performance according to EN733/DIN24255 standards.

**Type** : End Suction Centrifugal, Back Pull-Out Design

**Design** : EN733/DIN24255

**Flange** : DIN2332 PN 10RF

**Direction of Rotation** : Clockwise as viewed from the drive shaft

#### Material

**Casing** : Cast Iron, Bronze and Stainless Steel

**Impeller** : Cast Iron, Bronze and Stainless Steel

**Shaft** : 2Cr13, (optional AISI304 & AISI316 )

**Shaft Seal** : Mechanical Seal and Gland Packing

#### Operating Range

**Flow Rate(Q)** : up to **1100m<sup>3</sup>/h**

**Head(H)** : up to **150m**

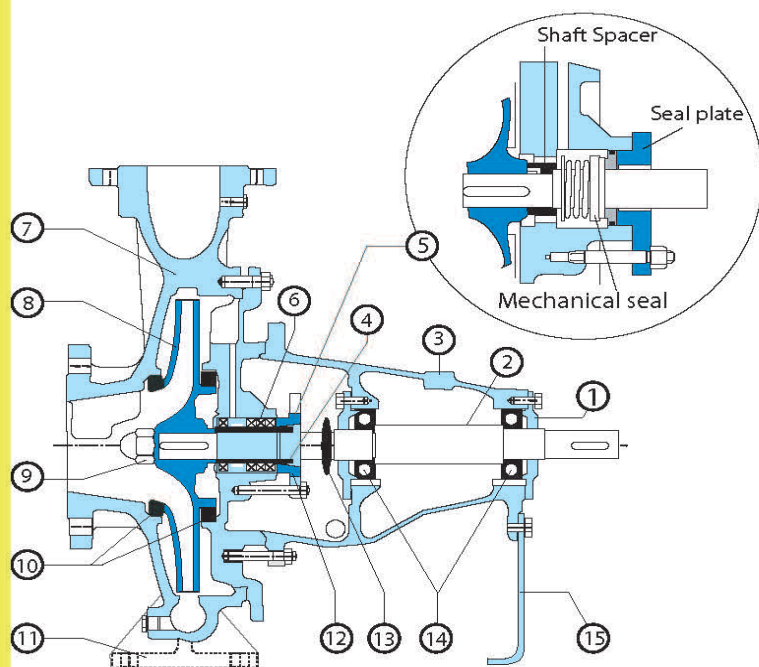
**Speed** : **1450 ~ 2900 rpm (50Hz)** & **1750 ~ 3600 rpm (60Hz)**

**Operating Temp.** : **-10 °C to 80 °C** standard (optional 150 °C)

**Operating Pressure** : **10 bar standard** (optional 16 Bar)

#### Application

NEUTRONE pumps can be used for the following services in the Commercial, Residential, Agricultural, Industrial, Process, Petroleum and Food & Beverage industries.



#### Parts:

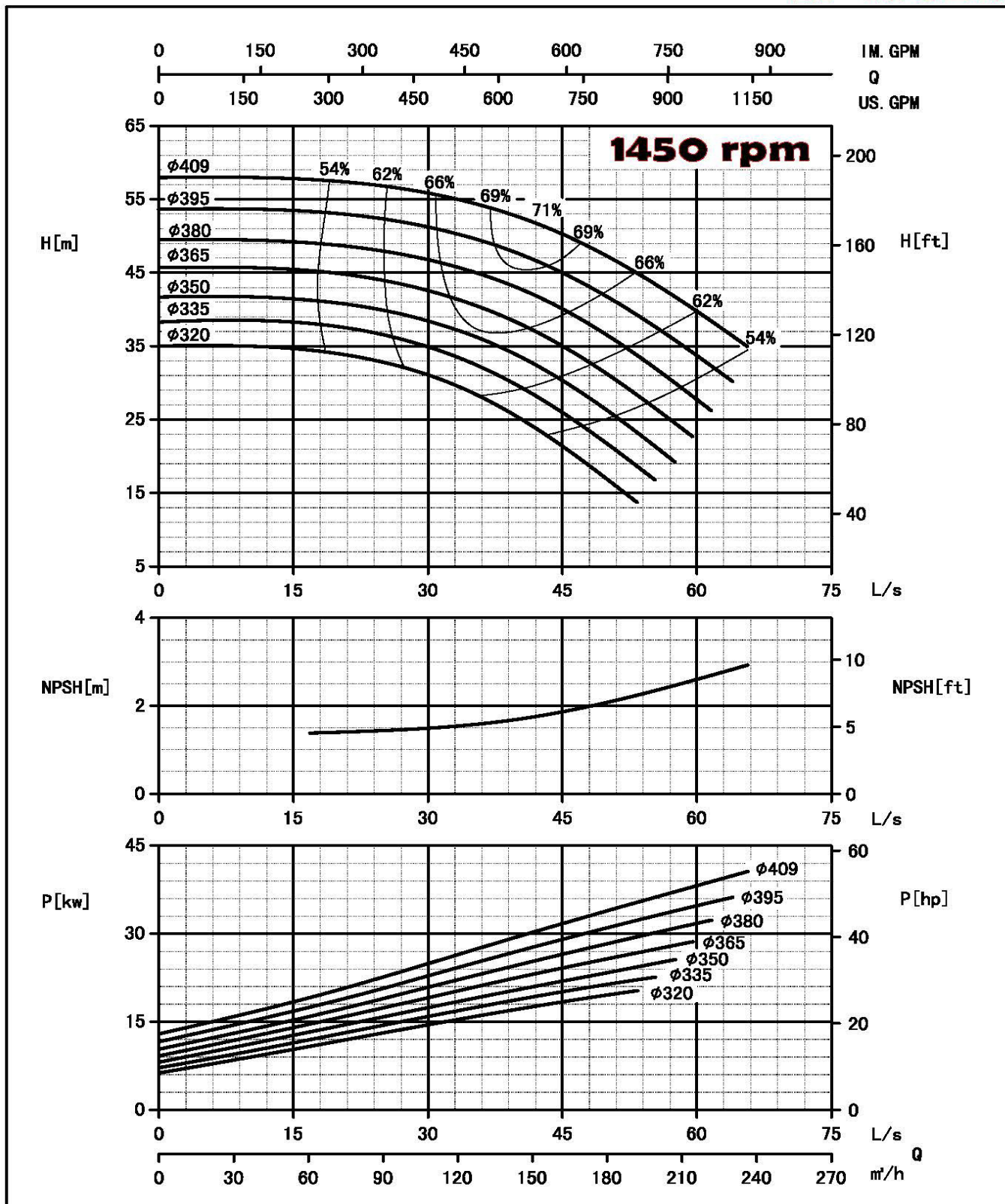
- | No. | Name                   |
|-----|------------------------|
| 1   | Bearing Cover          |
| 2   | Shaft                  |
| 3   | Bearing Housing        |
| 4   | Shaft Sleeve           |
| 5   | Mechanical Seal        |
| 6   | Gland Packing (Option) |
| 7   | Volute Casing          |
| 8   | Impeller               |
| 9   | Impeller Nut           |
| 10  | Casing Wear Rings      |
| 11  | Front Foot Support     |
| 12  | Seal Plate             |
| 13  | Slinger                |
| 14  | Ball Bearings          |
| 15  | Rear Foot Support      |

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## END SUCTION BACK PULL OUT CENTRIFUGAL PUMP

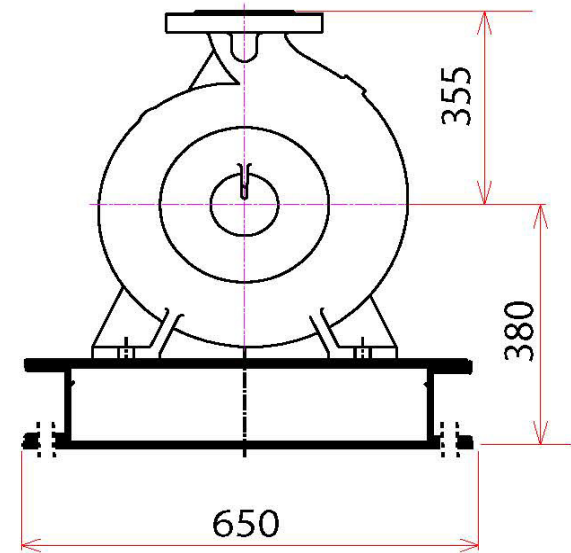
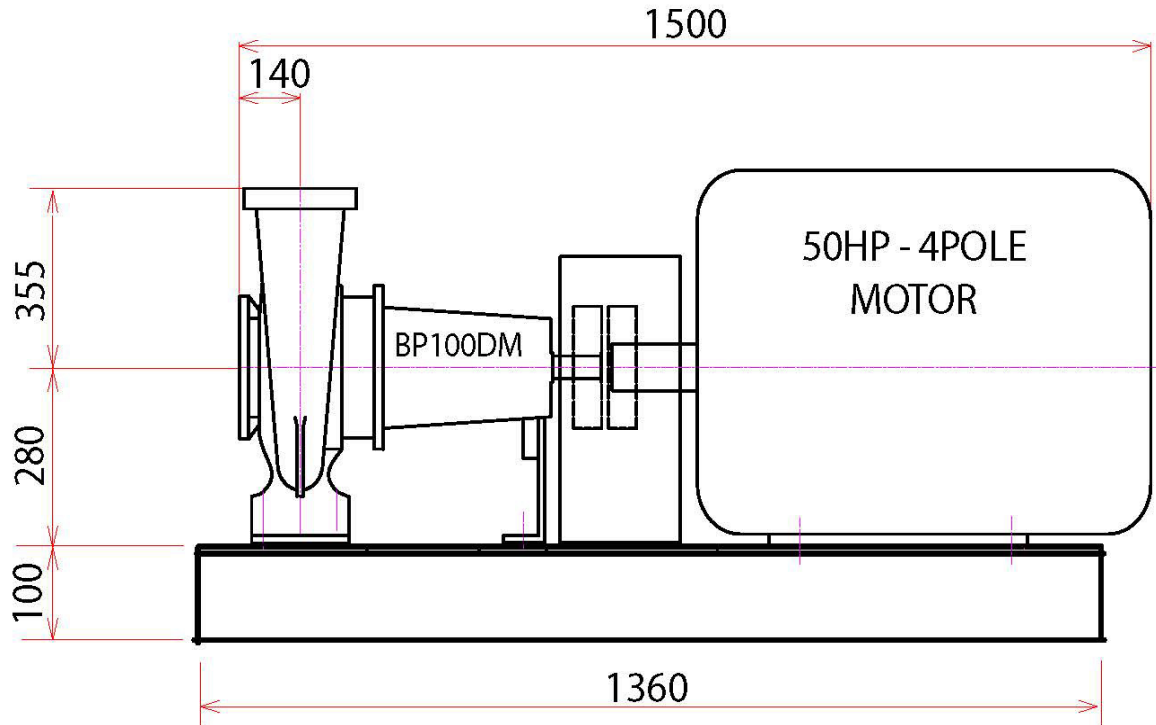
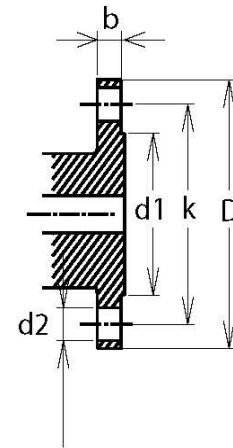
### Performance Curves

### BP 100DM



# FLANGE INFORMATION

	Branch Size	Flange		Raised Face		Drilling		Bolting
		ØD	b	d1	f	n x Ød2	Øk	
Discharge	100	220	24	158	3	8 x Ø18	180	M16
Suction	125	250	26	188	3	8 x Ø18	210	M16



**NEUTRONE**

Pump Model : **BP100DM**

Motor Model : 50HP - 4POLE ( 225S-4 )

Base No :

Date :

Weight : 590 kg

Drawing No :