

**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

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#### 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**

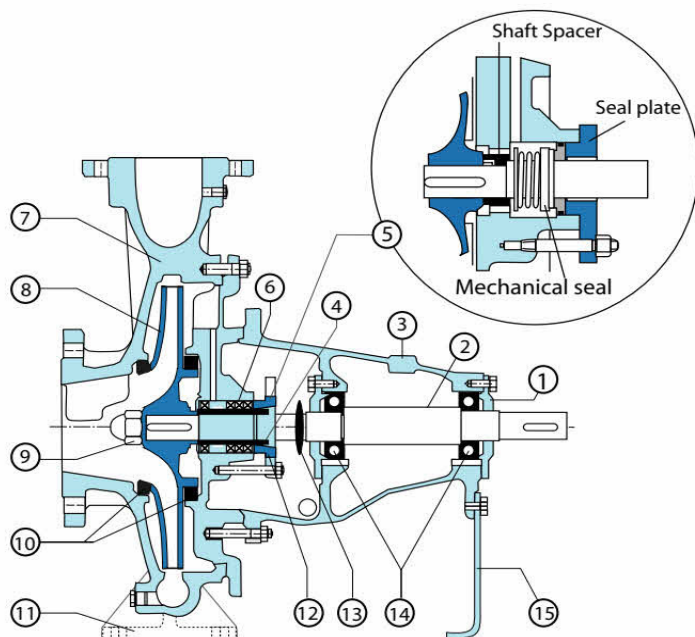
**Speed** : **1450 ~ 2900 rpm (50Hz) & 1750 ~ 3600 rpm (60Hz)**

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

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

#### Application

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      |

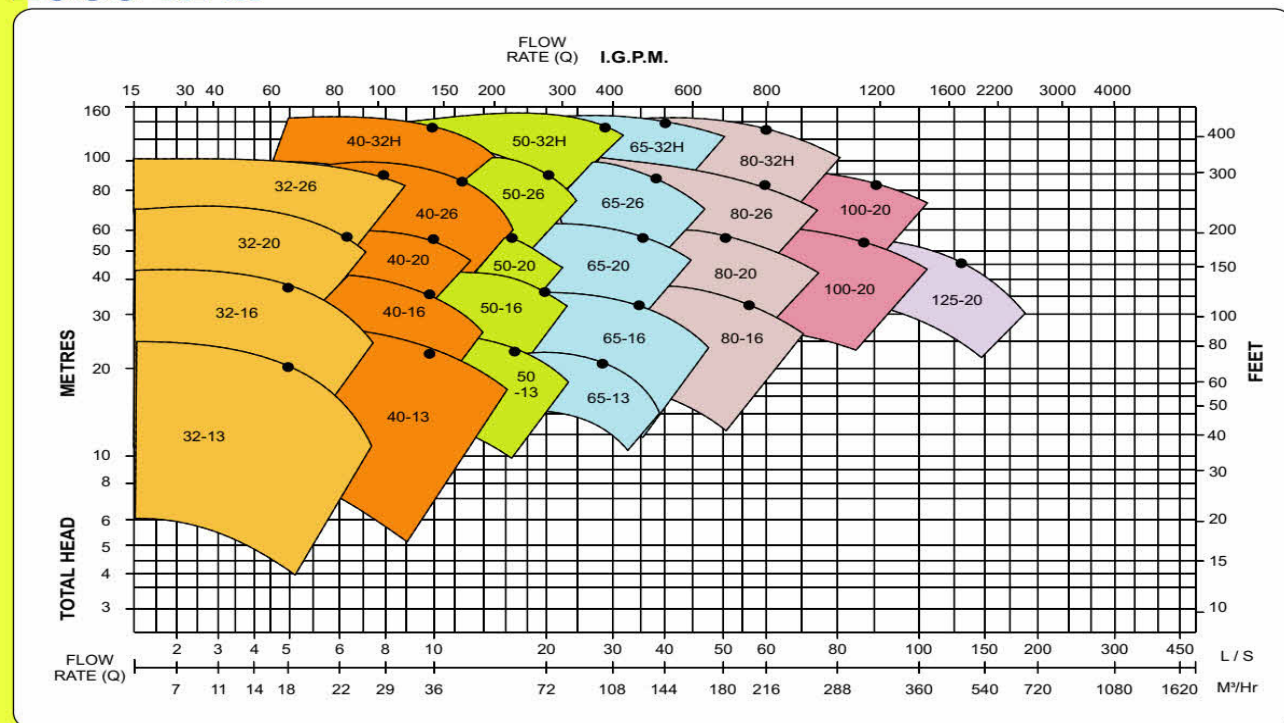


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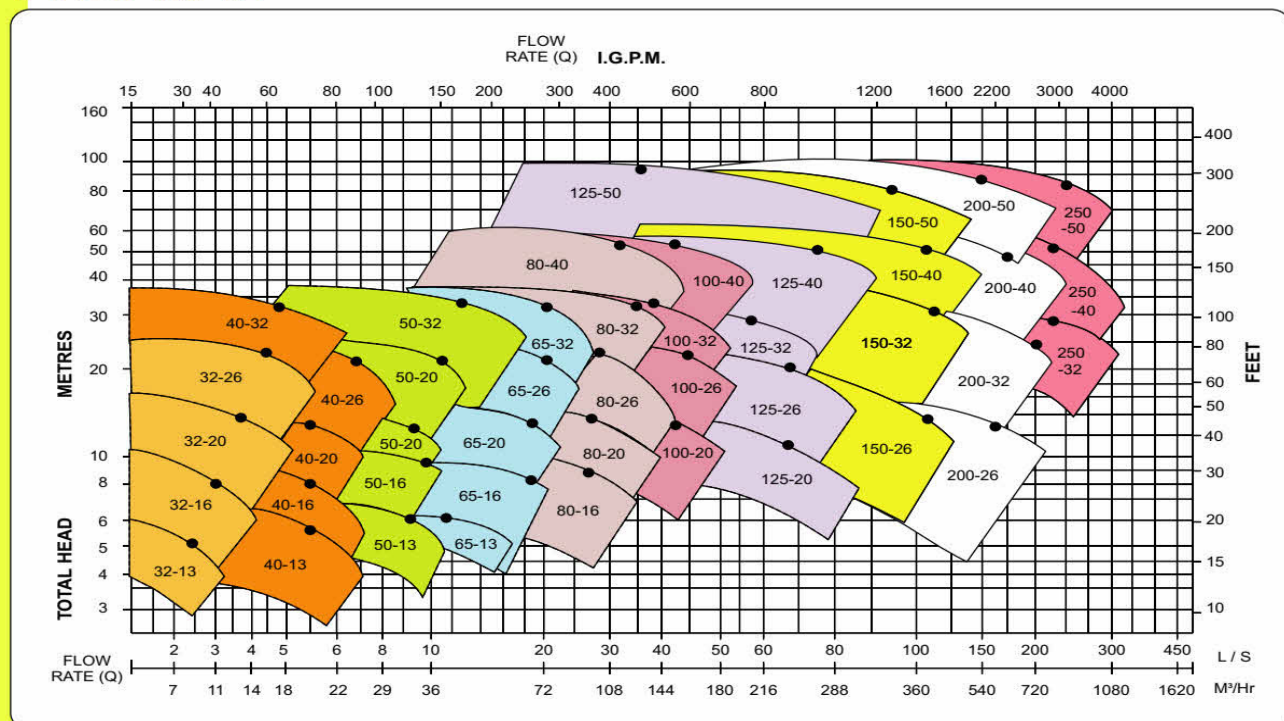
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2900 RPM



1450 RPM

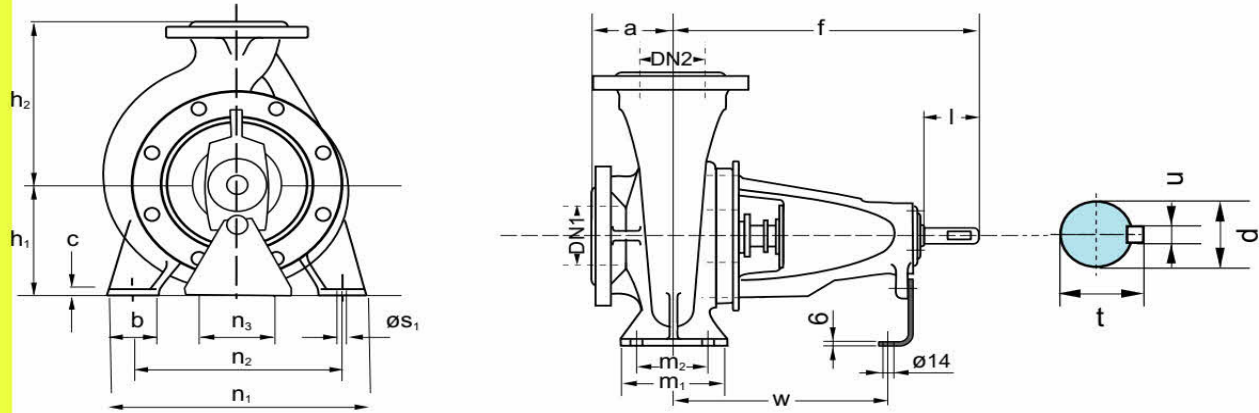


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### Installing Dimensions



Pump Model	Bearing Housing	Discharge DN <sub>2</sub>	Suction DN <sub>1</sub>	Pump Dimension					Foot Dimension								Shaft End				Net Weight												
				a	f	h <sub>1</sub>	h <sub>2</sub>	b	c	n <sub>3</sub>	m <sub>1</sub>	m <sub>2</sub>	n <sub>1</sub>	n <sub>2</sub>	s	w	d	l	t	u													
BP32/13	25	32	50	80	360	112	140	50	100	100	70	190	140	267	24	50	27	8		28													
BP32/16						132	160					240	190							36													
BP32/20						160	180					320	250							43													
BP32/26				100		180	225		65	110	125	95	320							250	63												
BP40/13						80	112		140	210	160	31																					
BP40/16							132		160	240	190	37																					
BP40/20	100	160	180	265			212	46																									
BP40/26		180	225	320		250	63																										
BP40/32		35	125	200		250	65	110	125	95	345	280	14	342	32	80	35	10	96														
BP40/32H	45			523	200	250	364							42	110	45	12	96															
BP50/13	25	50	65	100	360	132	160	50	100	100	70	240	190	267	24	50	27	8		34													
BP50/16						160	180					265	212							38													
BP50/20						160	200					320	250							48													
BP50/26						180	225					320	250							65													
BP50/32	35	45	65	125	470	225	280	65	110	125	95	345	280	342	32	80	35	10	101														
BP50/32H	523					225	280					364	42							110	45	12	101										
BP65/13	25	65	80	100	360	160	180	65	14	125	95	280	212	14	267	24	50	27	8		40												
BP65/16						160	200					320	250								44												
BP65/20						180	225					360	280								54												
BP65/26						200	250					400	315								83												
BP65/32	35	45	80	100	470	225	280	80	18	160	120	400	315	18	342	32	80	35	10	110													
BP65/32H	523					225	280					364	42		110	45	12	110															
BP80/16	25					360	180					225	65		14	125	95	320	250	14	267	24	50	27	8	55							
BP80/20	35					80	100					125	180		250	15	160	120	345	280	14	342	32	80	35	10		72					
BP80/26		200	280	400	315			92																									
BP80/32		250	315	80	16			400	315	120	120																						
BP80/32H		45	523	250	315			530	280	355	85		18	361	370				42	110								45	12	120			
BP80/40	35	100	125	140	470	280	355	100	16	160	120	435	355	18	342	32	80	35	10	162													
BP100/16	200					250	80					15	360							280	60												
BP100/20	225					280	80					16	400							315	71												
BP100/26	250					315	80					16	400							315	87												
BP100/32	45	125	150	140	530	280	355	100	18	200	150	500	400	23	370	42	110	45	12	110													
BP100/40	250					315	80					20	400							315	18	342	32	80	35	10	115						
BP125/20	250					315	80					16	400							315	18	342	32	80	35	10	115						
BP125/26	280					355	100					18	200							150	500	400	23	370	42	110	45	12	163				
BP125/32	45	150	200	160	630	355	450	120	35	180	250	180	620	500	26	400	55	110	45	12	190												
BP125/40						315	400						600	480							400	55	110	45	12	*							
BP125/50*						350	450						500	400							55	110	45	12	*								
BP150/20						35	350						450	500							400	55	110	45	12	*							
BP150/26	55	200	250	180	530	315	450	100	20	110	200	150	550	450	28	370	42	110	45	12	145												
BP150/32						280	400						600	480							400	55	110	45	12	164							
BP150/40						315	450						500	400							55	110	45	12	175								
BP150/50*						350	450						500	400							55	110	45	12	*								
BP200/26	60	250	300	220	670	315	480	120	20	110	220	170	600	480	28	505	48	110	51	14	270												
BP200/40						335	480						600	480							400	55	110	45	12	310							
BP200/50*						210	875						400	500							160	30	140	300	240	720	600	27	511	55	45	12	*
BP250/32						691	355						520	150							26	110	250	200	660	510	28	525	48	51	14	331	
BP250/40	682	400	560	160	30	140	300	200	720	600	27	516	48	70	140	45	12	415															
BP250/50*	70	250	300	240	875	425	545	160	30	140	300	200	720	600	27	626	70	140	45	12	*												