

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 **1100m³/h**

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

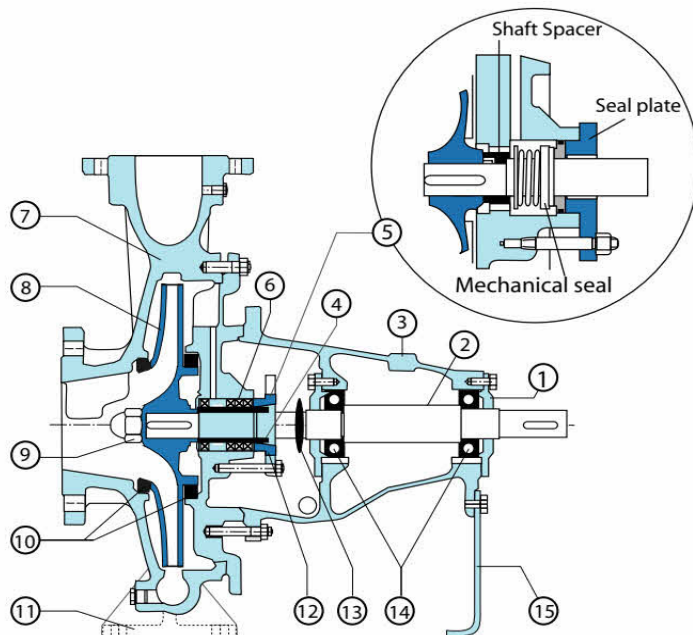
Speed : **1450 ~ 2900 rpm (50Hz) & 1750 ~ 3600 rpm (60Hz)**

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:

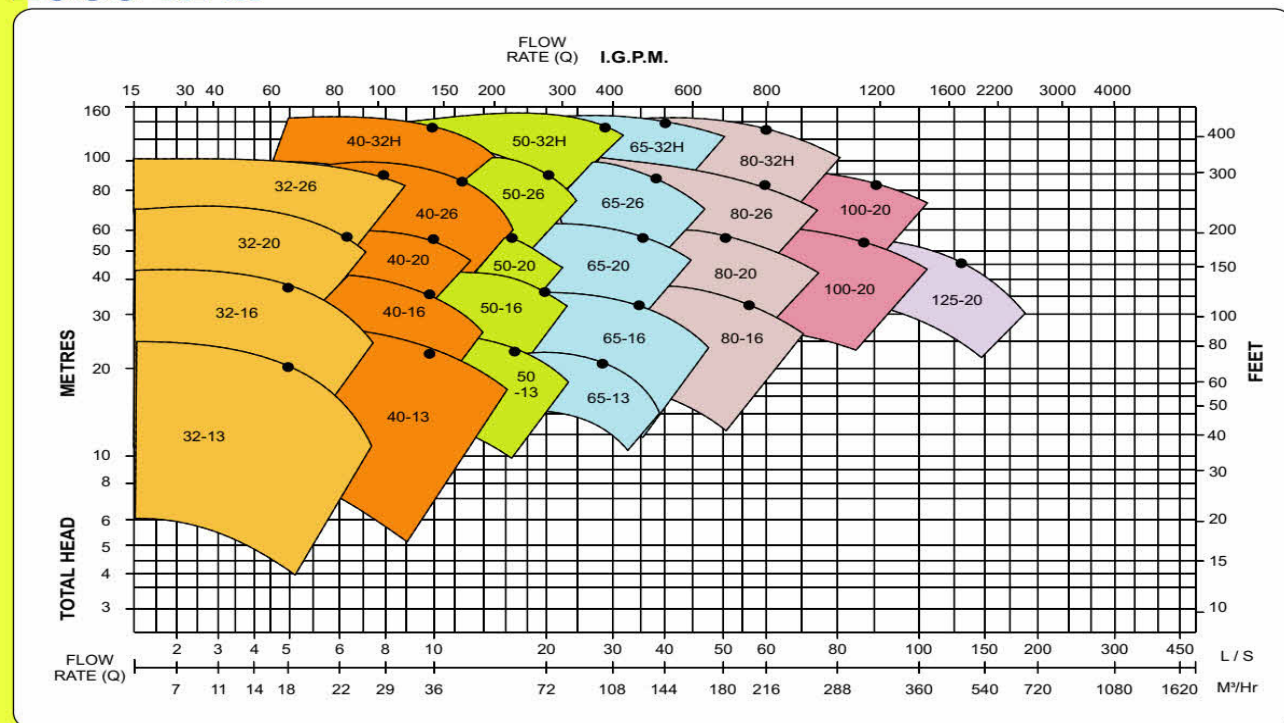
No.	Name
1	Bearing Cover
2	Shaft
3	Bearing Housing
4	Shaft Sleeve
5	Mechanical Seal
6	Gland Packing (Option)
7	Volute Casing
8	Impeller
9	Impeller Nut
10	Casing Wear Rings
11	Front Foot Support
12	Seal Plate
13	Slinger
14	Ball Bearings
15	Rear Foot Support

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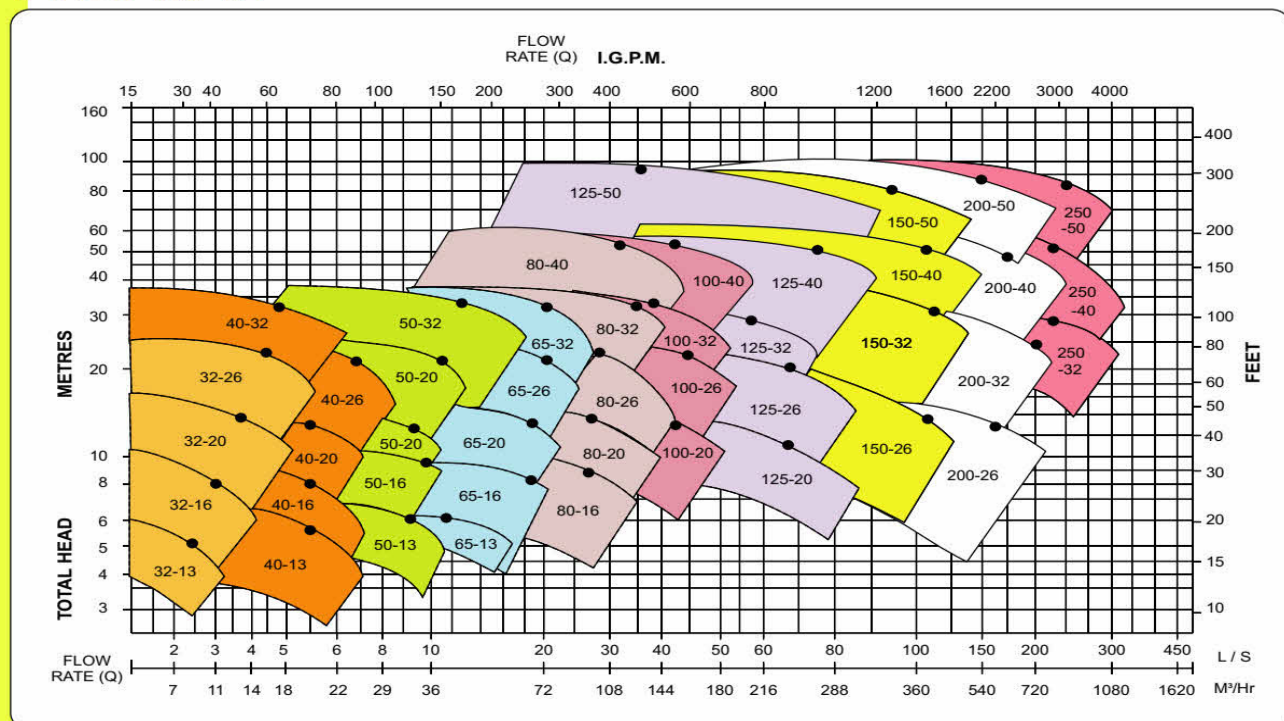
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2900 RPM



1450 RPM

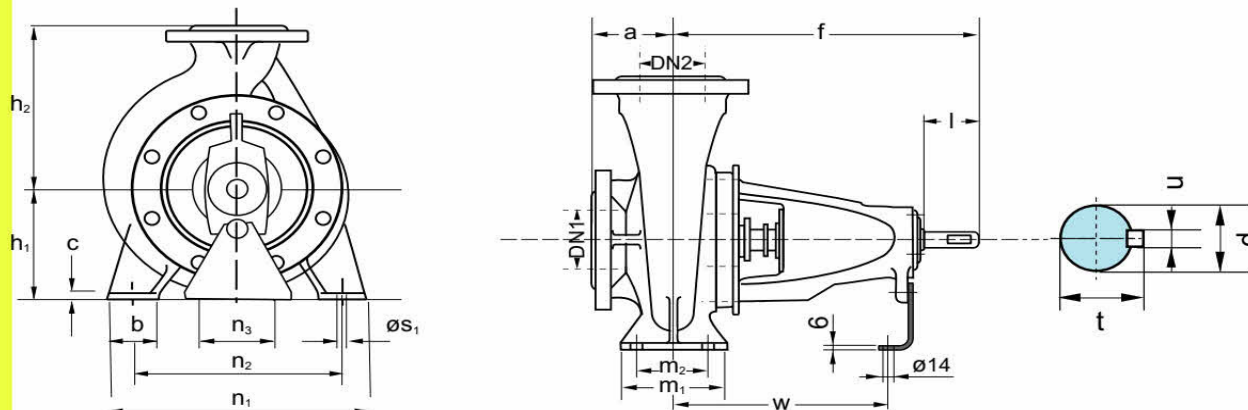


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Installing Dimensions



Pump Model	Bearing Housing	Discharge DN ₂	Suction DN ₁	Pump Dimension					Foot Dimension								Shaft End				Net Weight										
				a	f	h ₁	h ₂	b	c	n ₃	m ₁	m ₂	n ₁	n ₂	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						112	140		210	160	31																				
BP40/16						132	160		240	190	37																				
BP40/20	35	40	65	100		160	180	65	110	100	70	265	212	14	342	32	80	35	10	46											
BP40/26						180	225					320	250							63											
BP40/32						180	225					320	250							63											
BP40/32H	45			125	523	200	250	14	110	125	95	345	280	364	42	110	45	12	96												
BP50/13	25	50	80	100	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			125	470	225	280		110	125	95	345	280	342	32	80	35	10	101												
BP50/32H	45			523	225	280	364	42											110	45	12	101									
BP65/13	25	65	80	100	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		360		280	83																				
BP65/32	35				470	225	280	80	18	160	120	400	315	18	342	32	80	35	10	110											
BP65/32H	45			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	65			15			345	280																72	
BP80/26					200	280																								15	
BP80/32					250	315				80	16	160	120	400	315	18	342	32	80	35	10	120									
BP80/32H					45					523												250	315							361	42
BP80/40				530	280	355	85		18	160												120	435							355	18
BP100/16	35	100	125	140	360	200	250	80	15	160		120	360	280	18	342	32	80	35	10	60										
BP100/20	35					225	280														71										
BP100/26						250	315														87										
BP100/32						250	315				110																				
BP100/40	45				530	280	355	100	20	200	150	500	400	22	370	42	110	45	12	177											
BP125/20	35	125	150	140	470	250	315	80	20	160	120	400	315	18	342	32	80	35	10	111											
BP125/26						250	355													115											
BP125/32						280	355		16			400	315							163											
BP125/40	45				530	315	400	100						23	370	42	110	45	12		190										
BP125/50*						350	450	18	200	150	500	400	*																		
BP150/20	35	150	200	165	530	280	400	100	18	110	200	150	400	315	23	370	42	110	45	12		145									
BP150/26						250	355													164											
BP150/32						280	400													175											
BP150/40						315	450													210											
BP150/50*	55	200	250	180	530	355	500	120	35	180	250	180	670	550	20	400	55	110	45	12		*									
BP200/26						315	450													*											
BP200/32						315	480		20	110	220	170	600	480	28	505	48	110	45	14		270									
BP200/40	60				670	335	480	120												310											
BP200/50*						400	500	30	140	300	240	720	600	27	511	55	110	45	12		*										
BP250/32						691	355												520	331											
BP250/40	55	250	300	220		682	400	560	26	110	250	200	660	510	28	525	48		51	14	331										
BP250/50*	70	250	300	240		875	425	545	160	30	140	300	200	720	600	27	626	70	140	45	12	415									

*Pumps dimension may vary, please refer to manufacturer.