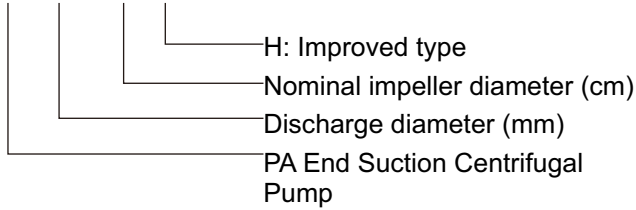


END-SUCTION CENTRIFUGAL PUMP



PUMP KEY

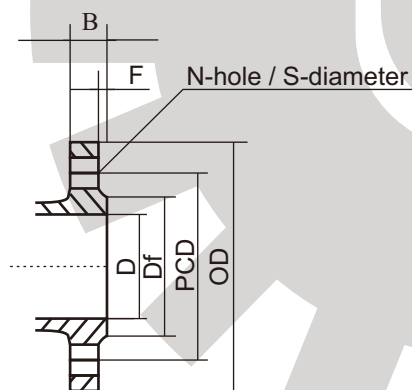
PA 80 / 32 H



MATERIALS OF CONSTRUCTION		
Pump Parts	All Iron (AI)	Bronze Fitted (BF)
Casing	Cast Iron	Cast Iron
Impeller	Cast Iron	Bronze
Wear Ring	Cast Iron	Bronze
Shaft	S. Steel	S. Steel
Shaft Sleeve	S. Steel	S. Steel
Gland	Cast Iron	Cast Iron

TECHNICAL INFORMATION

- * Design : DIN 24255
- * Operating pressure : 1000kPa standard; 1600kPa optional
- * Hydrostatic test pressure : 1500kPa standard; 2400kPa optional
- * Operating temperature : -10°C to +105°C standard; 160°C optional
- * Operating speed : 50 Hz, 1450rpm and 2900 Rpm; 60 Hz, 1750rpm and 3500 rpm



Flange Dimensions (mm)							
D	OD	B	Df	F	N	S	PCD
32	140	18	78	2	4	18	100
40	150	18	88	3	4	18	110
50	165	20	102	3	4	18	125
65	185	20	122	3	4	18	145
80	200	22	138	3	8	18	160
100	220	24	158	3	8	18	180
125	250	26	188	3	8	18	210
150	285	26	212	3	8	22	240
200	340	29	268	3	12	22	295
250	405	29	320	3	12	26	355
300	460	29	378	4	12	26	410

FEATURE OF CONSTRUCTION

- * The PA Series Pumps meet the DIN 24255 specification for end suction, horizontal centrifugal pumps. The PA Series offers many features and benefits that improve performance, increase reliability and reduce maintenance time and cost.
- * Heavy-duty cast iron casing with integral cast feet suitable for 10 bar working pressure. Working pressures up to 16 bar also available. Centerline discharge assures that the casing is self-venting.
- * Flanges to ISO 2084 PN16 as standard. Also available with ASA 125# or JIS 10k drilling.
- * Back pull out design for fast and easy maintenance when fitted with a spacer type coupling because suction and discharge piping and drive motor remain in place.
- * Maximum interchangeability for low spare parts inventory with 4 bearing housings and 4 shaft sizes for 47 sizes of pumps.
- * Replaceable wear rings to assure optimum efficiency and performance at all times.
- * Shaft seal is available as packing or as mechanical seal to suit all types of applications.
- * Double shrouded, hydraulically balanced impellers with back vanes to minimize gland pressure in cast iron or bronze as standard. Also available in stainless steel or zinc free bronze.
- * Heavy-duty cast iron bearing housing with greased ball bearings as standard. Also available with oil lubricated bearings.
- * Heavy-duty shaft in stainless steel for longer life and to assure product purity.
- * Stainless steel shaft sleeve for product purity, longer mechanical seal life and to prevent damage to the shaft from packing or mechanical seal.
- * Operating temperature from -10°C to +105°C as standard. Available for up to +160°C with cooling and suitable mechanical seal selection.
- * Suitable for both 50 cycle and 60 cycle speeds up to 3600rpm.



PA SERIES

Range from 32mm to 250mm discharge

PA Series fully complies with both performance and dimensional standards for the international Standard DIN 24255.

1. Bearing Housing

Rugged cast iron construction with 4 bearing housing covering the complete range of 47 pumps for maximum interchangeability.

2. Stuffing Box

Standard stuffing box includes gland packing and lantern ring with internal flushing or single mechanical seal with internal or external flush.

3. Shaft

One piece stainless steel shaft in 4 sizes covering the complete range of 47 pumps for maximum interchangeability.

4. Casing

The cast iron volute casing is heavy duty design with integral cast feet, vertical top centerline discharge and axial suction nozzle with cast inlet vane to improve flow into the impeller and reduce NPSH required.

5. Impeller

Double shrouded type, hydraulically balanced and positive drive shaft key and domed impeller lock nut.

6. Wear Rings

Replaceable wear rings are standard on all casings and on rear covers for larger pumps which assures hydraulic performance and reduces maintenance time and cost.

7. Shaft Sleeve

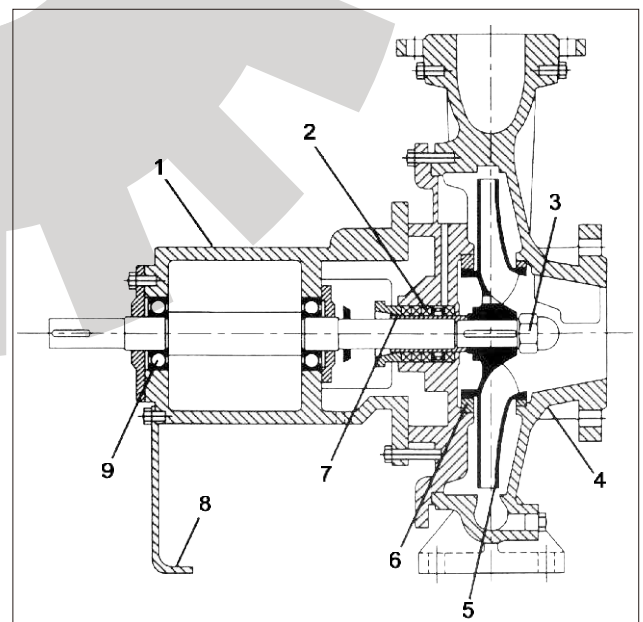
Replaceable fully machined, positively driven, hook type stainless steel shaft sleeve prevents damage to the shaft from gland packing or mechanical seal and reduces maintenance cost.

8. Support Foot

Removable and adjustable support foot provides added rigidity and ease of maintenance.

9. Bearings

All pumps come with grease lubricated ball bearings as standard. Permanently, sealed greased bearings or oil lubricated bearing also available.

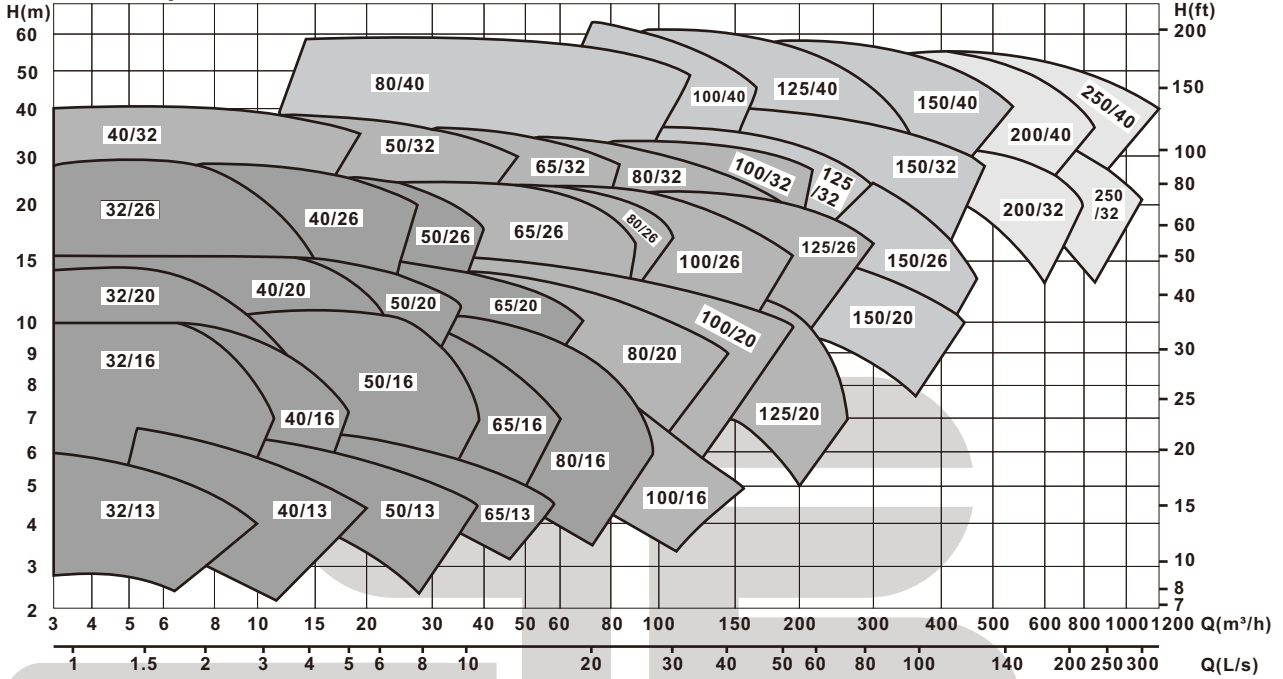


END-SUCTION CENTRIFUGAL PUMP

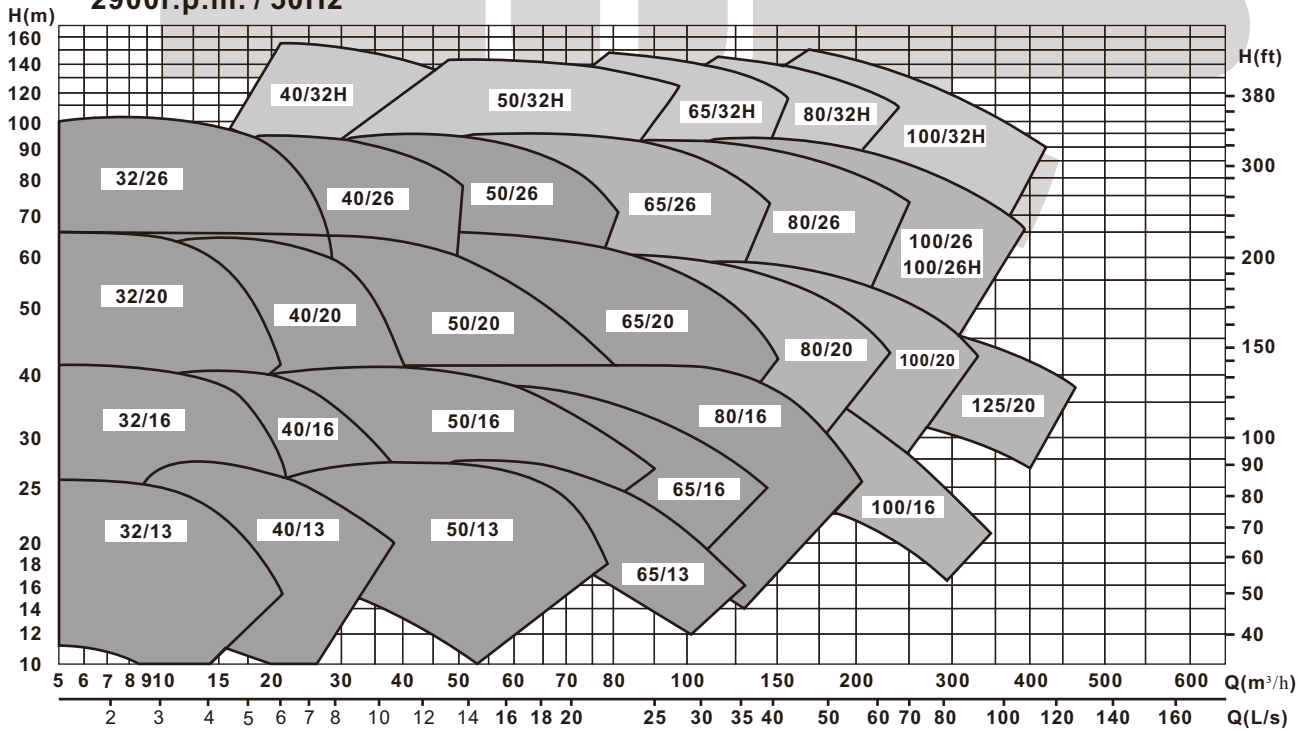


Module 25
 Module 35
 Module 45
 Module 55

1450r.p.m. / 50Hz



2900r.p.m. / 50Hz

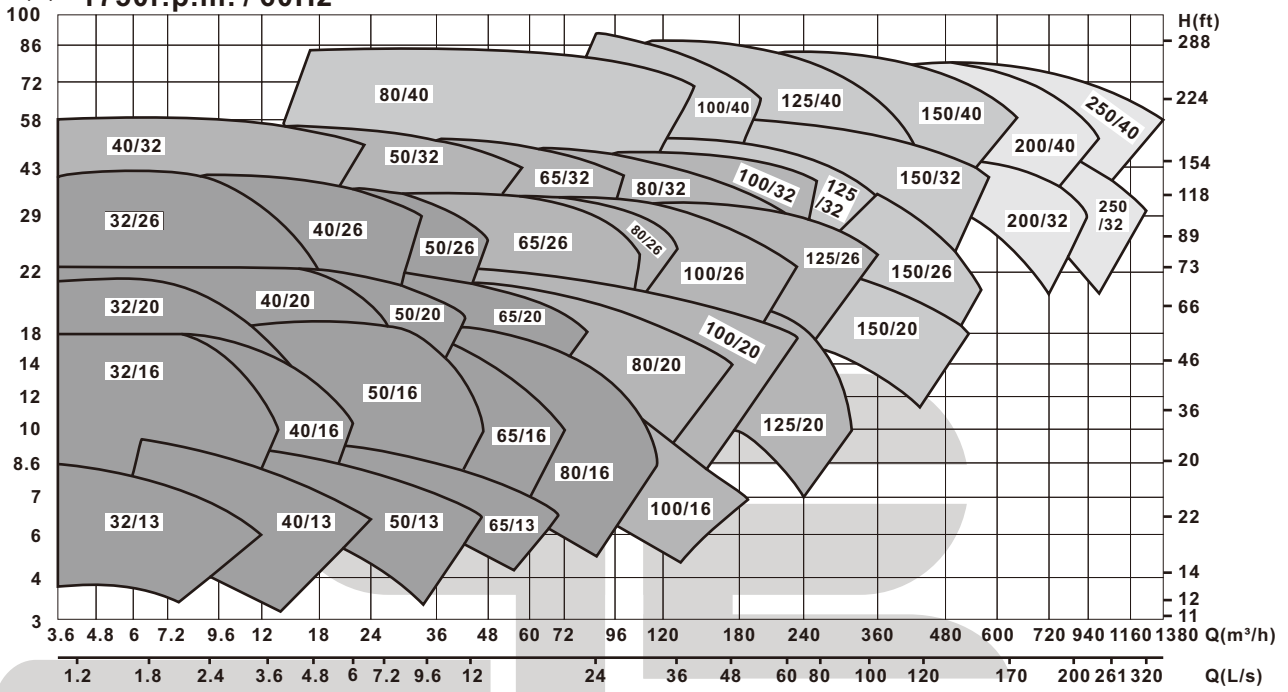


END-SUCTION CENTRIFUGAL PUMP



Module 25
 Module 35
 Module 45
 Module 55

1750r.p.m. / 60Hz



3500r.p.m. / 60Hz

