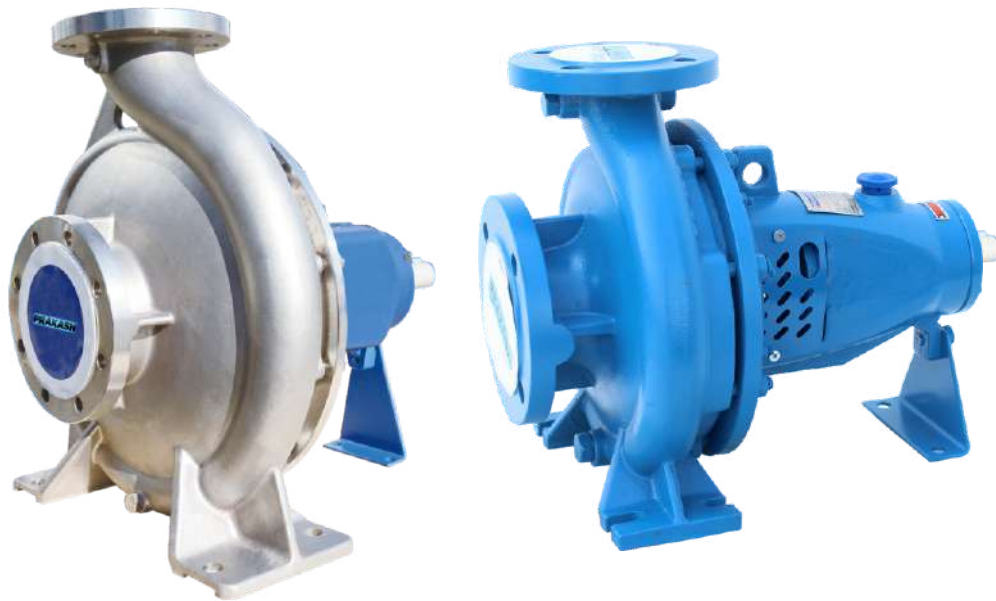




Quality, Reliability, Life

End Suction Centrifugal Pump



www.prakashpump.com

End Suction Centrifugal Pump

PRAKASH

Applications

- Hot & cold water circulation
- HVAC and Cooling Tower
- Marine - Ballasting & Bilge
- Booster and Pressurization Set
- Irrigation and agriculture
- Water supply and drainage
- Food and chemical industry (with stainless steel material)
- Fire Protection & Fighting
- Factory Pumping

Performance Range

Flow Rate (Q)	4-1584 m ³ /h
Head(H)	2-162m
Speed	1450 or 2900 rpm (50Hz) /1750 or 3500 rpm (60Hz)
Max liquid temp	85°C(standard) ; 105°C(on request)
Working Pressure	1.0 MPa standard ; 1.6 MPa on request
Conveying Medium	Clean water or liquids similar to clean water in physical property

Motor Details

- Speed : 1450 & 2900 RPM (upon request 1750 & 3500 RPM)
- Insulation Class-F & B
- Protection Class-IP54 & IP55
- Duty - S1
- Power Supply : Single Phase 220-240V, 50Hz (upon request 60Hz)
Three Phase 380-420V, 50Hz (upon request 60Hz)

Installation and use

Prakash PEP series end suction centrifugal pumps are designed complying to BS EN733 / DIN24255 standard. This Series of pumps are frame mounted pumps coupled with electric motors by flexible type of coupling and have a great advantages in interchangeable parts, high quality and low cost, wide applications in fire-fighting systems, air-condition systems, water treatment plants, water transport and supply.

Model Instruction



Material Code

Material Code

C: Cast Iron

Q: Ductile Iron

B: Brass

S: ASTM 420

45: ASTM 1045

S304: ASTM 304

S316: ASTM 316

Bearing Frame Code

H: Bearing frame for double-row bearing

G: Bigger shaft and bearing frame

Default: Standard

Seal Type

M: Mechanical Seal

P: Gland Packing

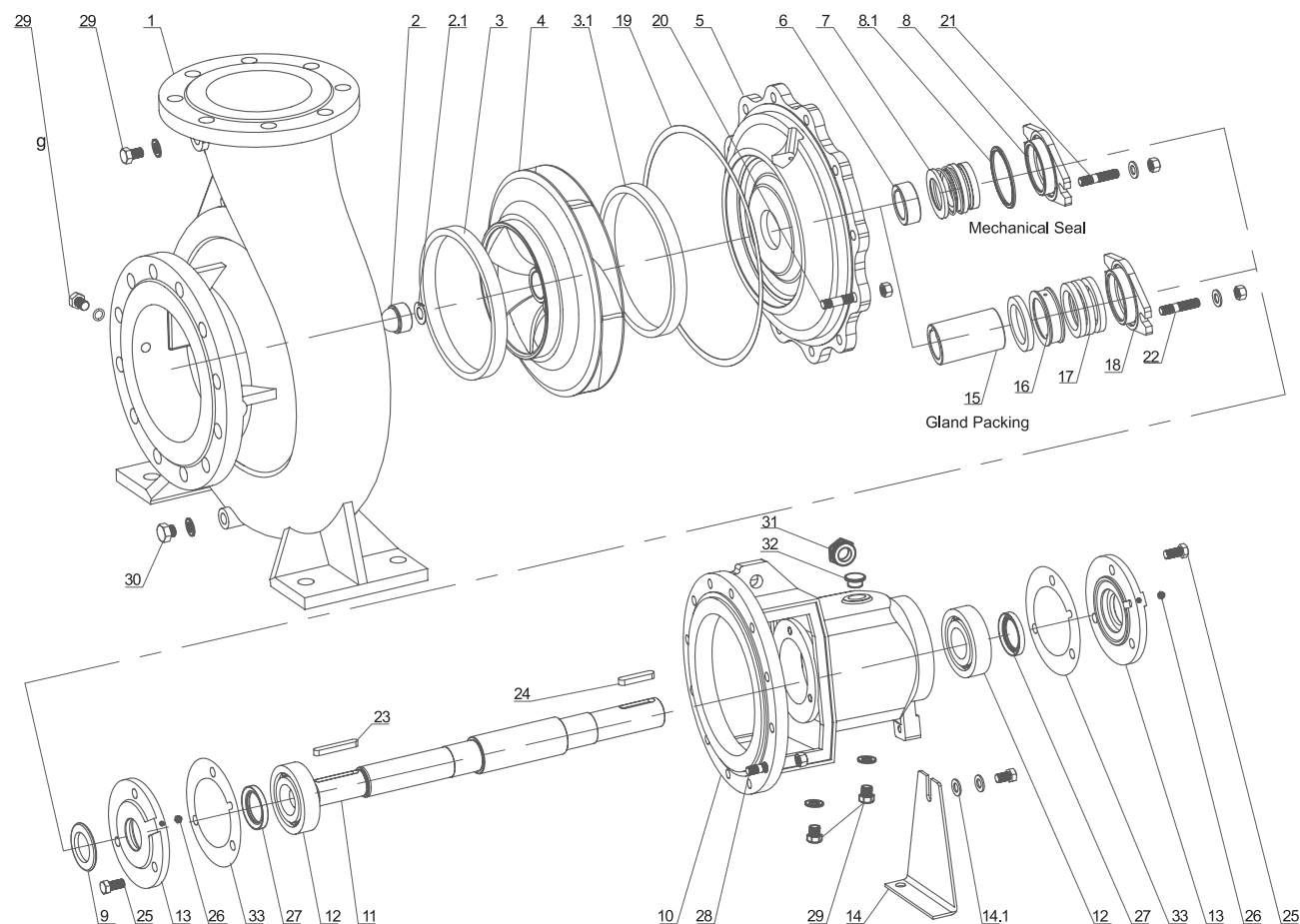
Design & Structure

Design	Performance and dimensions referring to the European standard BS EN733 / DIN24255
Structure	Horizontal, Axial End-Suction, Single-Stage, Single-Suction, Volute Casing, Back pull-out
DN (mm)	32-300
Flange	DIN2501 PN16 GB /T17241.6 PN1.6

End Suction Centrifugal Pump

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Exploded View



Material

1	Casing
2	impeller Nut
2.1	Lock Washer
3	Wear Ring (Front)
3.1	Wear Ring (Back)
4	Impeller
5	Casing Cover
6	Shaft Spacer
7	Mech. Seal
8	Seal Cover
8.1	O-ring
9	Rubber Slinger
10	Bearing Frame

11	Shaft
12	Bearing
13	Bearing Cover
14	Support Foot
14.1	Flat Washer
15	Packing Sleeve
16	Packing Seal Cage Throat Bushing
17	Gland Packing
18	Gland Cover
19	Casing Gasket
20	Stud Bolt
21	Stud Bolt
22	Stud Bolt

23	Key
24	Key
25	Screw Bolt
26	Oil Cup
27	Felting Oil Seal
28	Stud Bolt
29	Plug
30	Plug
31	Oil Scale
32	Oil Cover
33	Throat Bushing Gasket

Material

Part	Standard Material	Option / on request
Casing	Cast Iron	Ductile Iron / ASTM304 / ASTM316
Impeller	ASTM304	Brass / Cast Iron /ASTM316
Shaft	ASTM420	ASTM304 / ASTM316 / ASTM1045
Shaft Seal	Mechanical Seal	Gland Packing

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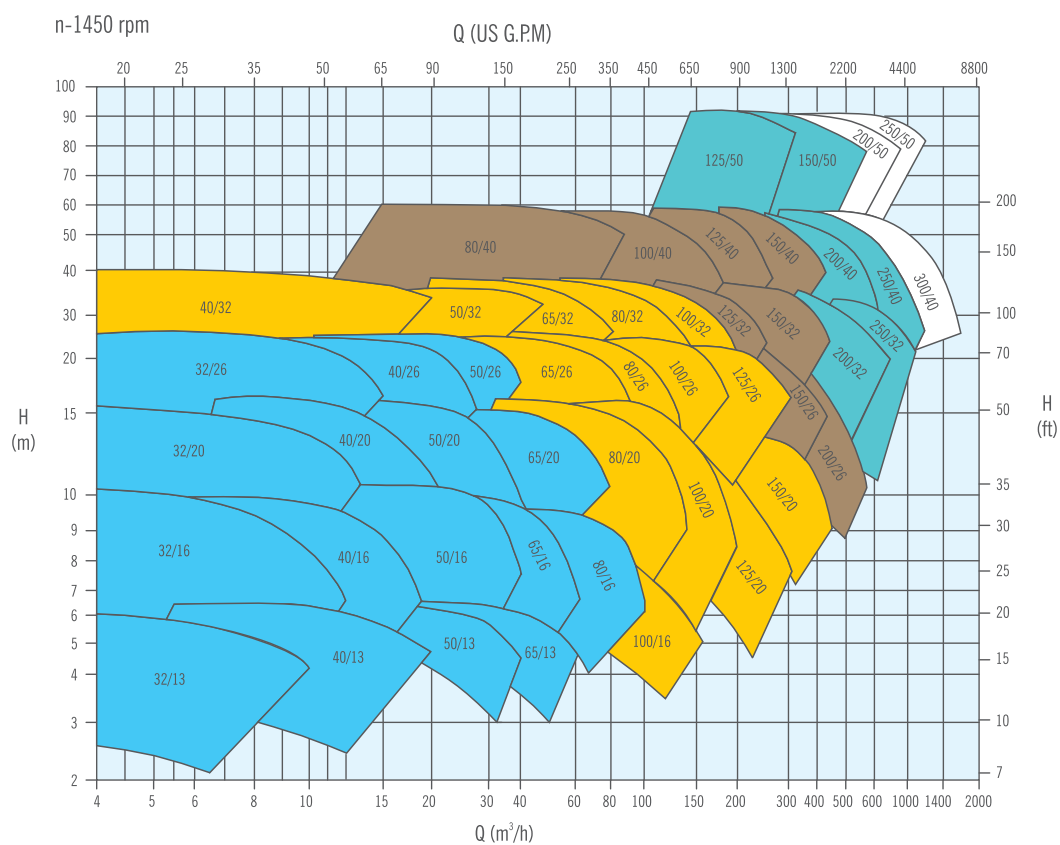
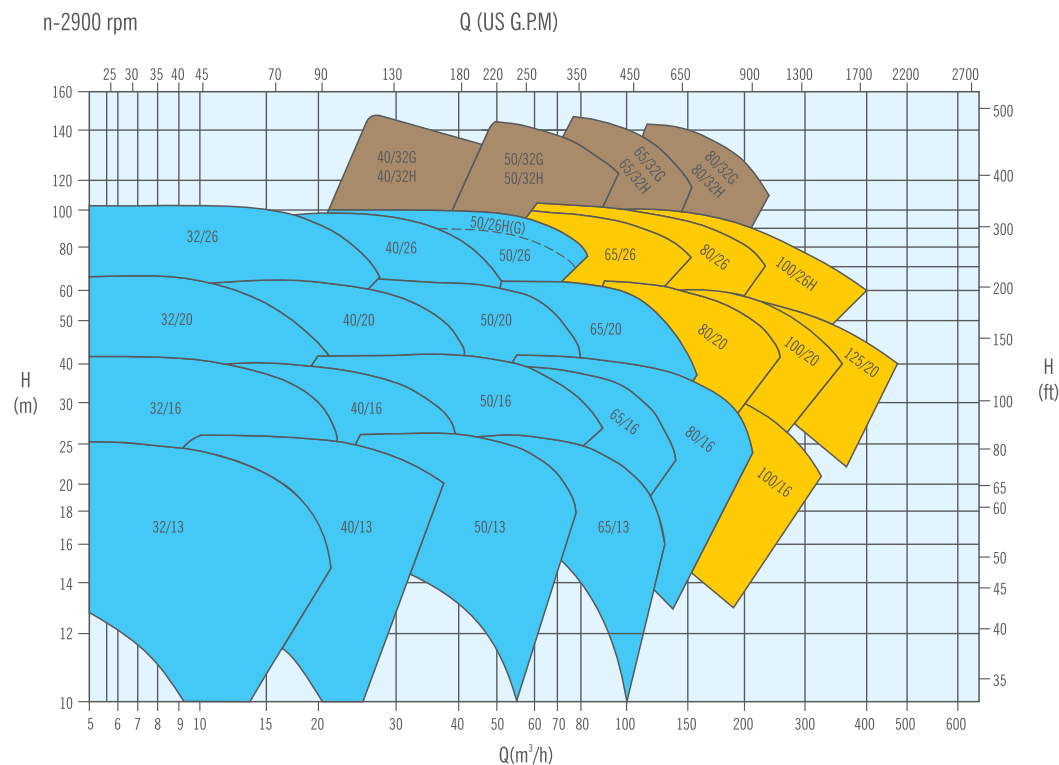
DN1/DN2	125	150	200	250	300	350
D1/D2	250	285	340	405	460	520
K1/K2	210	240	295	355	410	470
n-d1/n-d2	8-Ø18	8-Ø22	12-Ø22	12-Ø26	12-Ø26	16-Ø26

04

End Suction Centrifugal Pump



HYDRAULIC PERFORMANCE CURVE END SUCTION PUMP



Performance to ISO9906 Grade for clean cold water only

PRAKASH

Office in India

PRAKASH PUMP

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Distributor Office for Oman

GLOBAL EQUIPMENT MATERIAL CO. LLC

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Tel.: +968 26883982 Mob.: +968 94584686 E-mail: oman@prakashpump.com

Distributor Office for Saudi Arabia

PRAKASH PUMP INDUSTRY

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Sulay Exit 18. Mobile: +966 539811109 Email: saudi@prakashpump.com

Factory Address

PANJI ENGINEERING PVT LTD

Survey No. 479, Opp. Supreme Estate-1, Zak Kadadara Road, Vill. - Kadadara,
Tal. Dahegam, Gandhinagar, Gujarat 382305 INDIA E-mail: sale@prakashpump.com



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