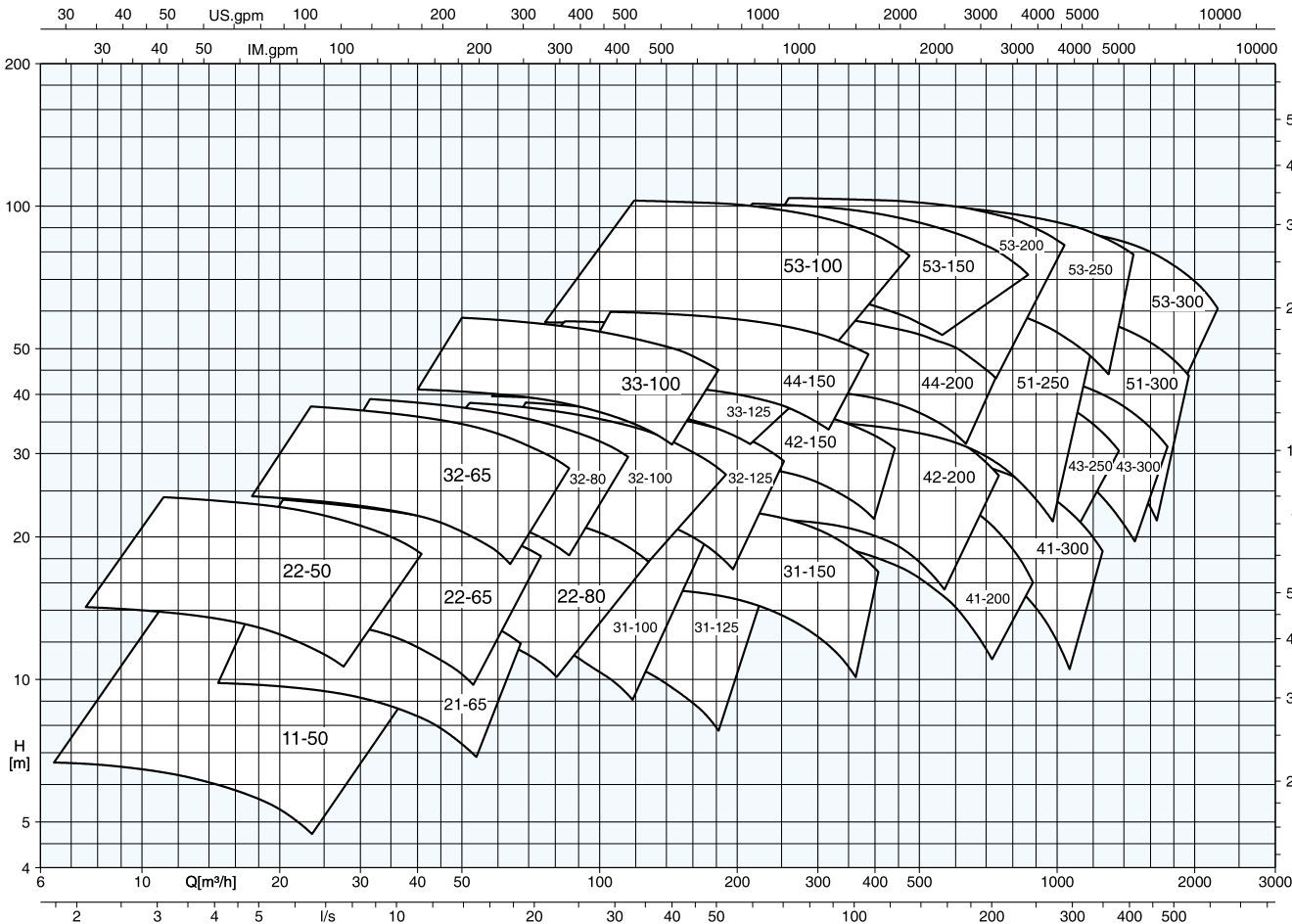
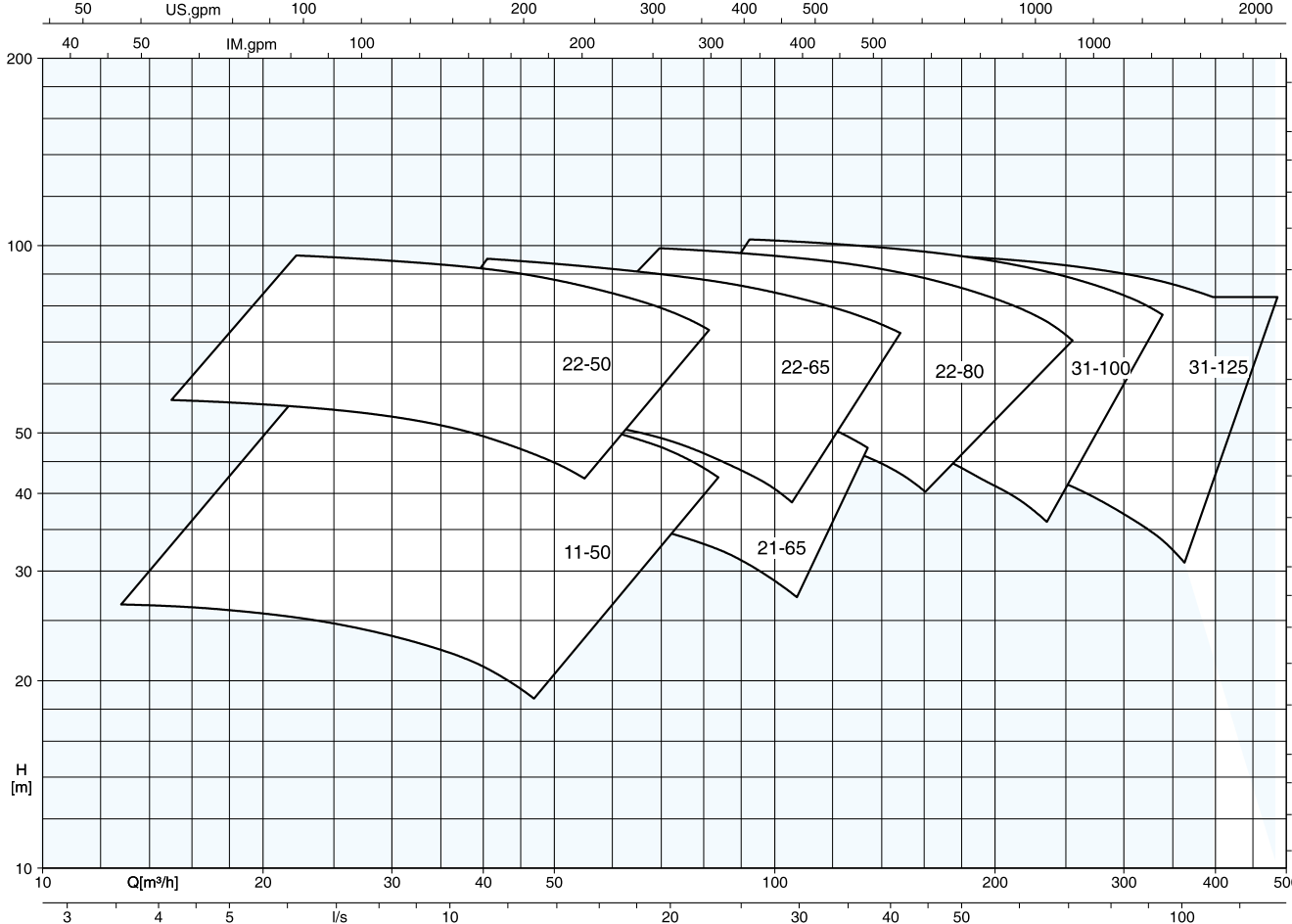


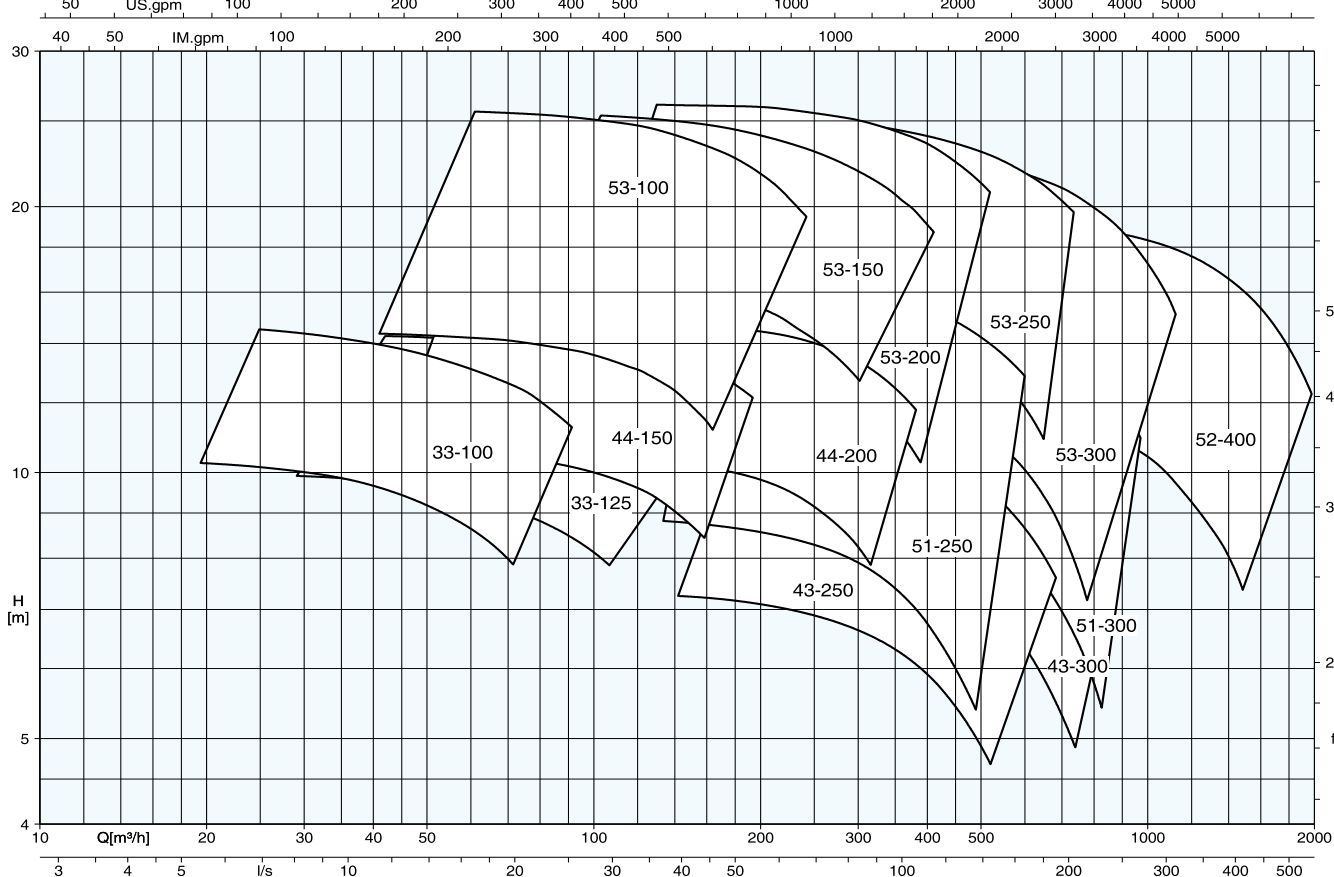
1480 rpm



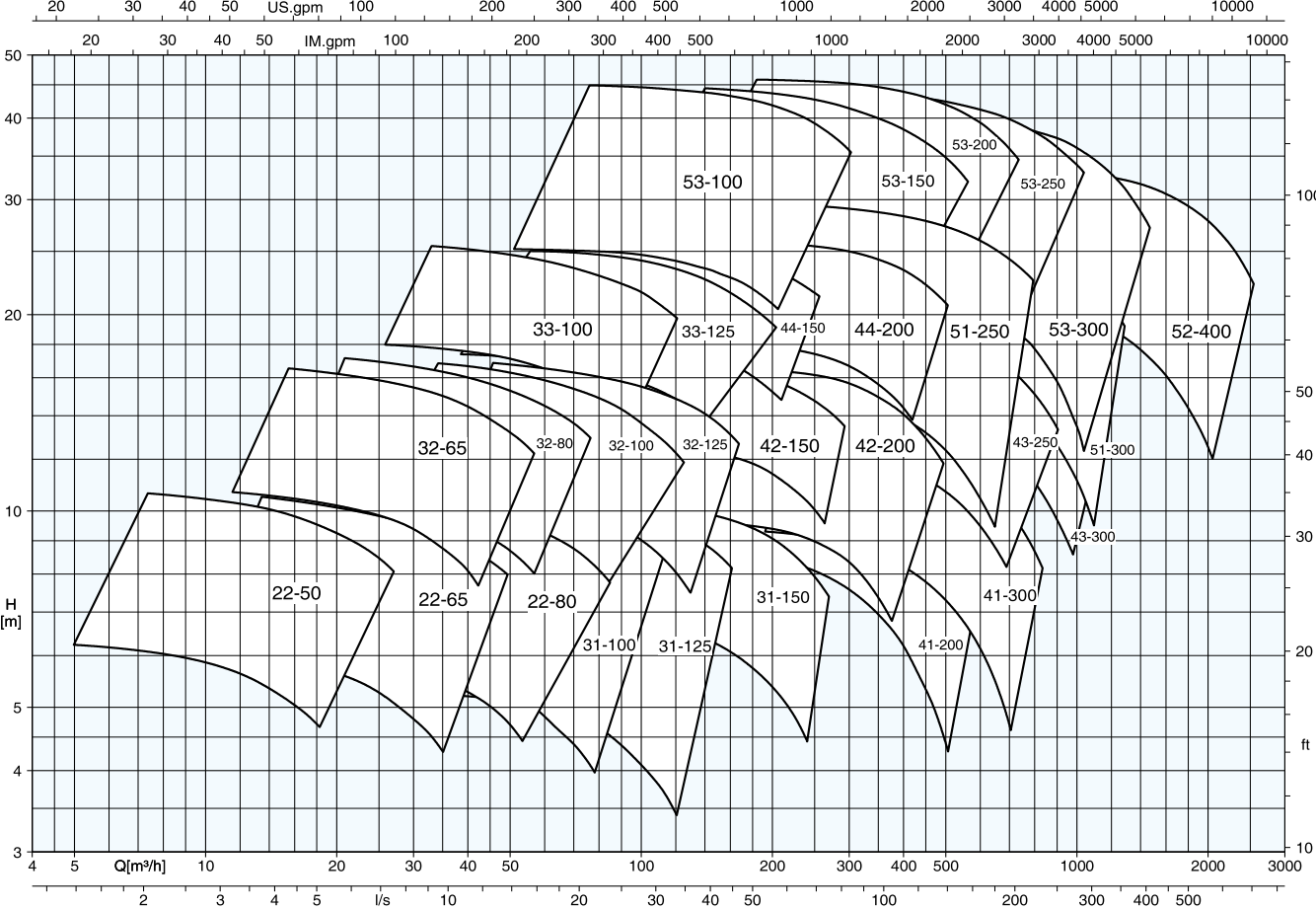
2950 rpm



740 rpm



980 rpm



Our technology. Your success.
Pumps • Valves • Service



KNCPP End Suction Process Pump

Applications :

- Process Industry



Design to ISO 2858



6440.021/02-EN Technical matter subject to change without notice.



KSB Limited
Mumbai-Pune Road, Pimpri, Pune - 411 018. India.
Tel.: 020 2710 1000 Fax : 020 2742 6000 www.ksbindia.co.in

Mktg. Services / 12-22 / 3000

Fields of Application

KNCPP Pumps are used for continuous operation in process industries for pumping of clean abrasive / corrosive liquids & various stocks upto 8% consistency.

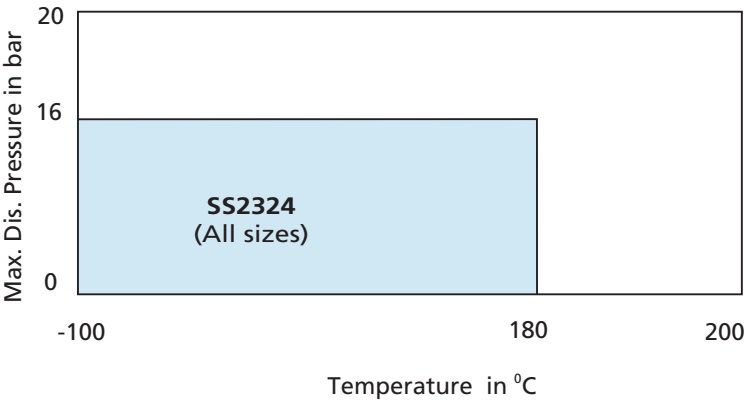
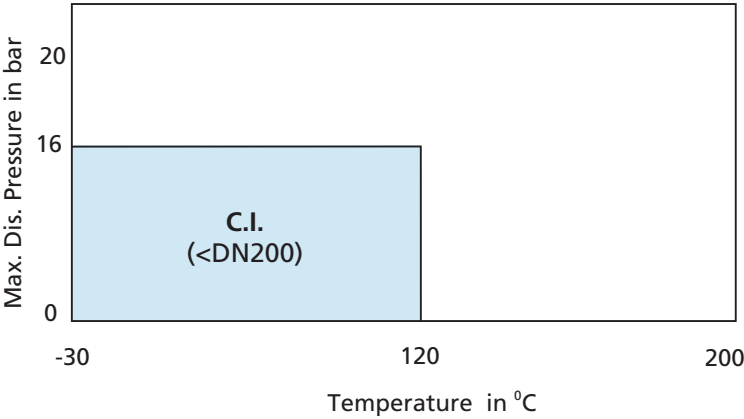
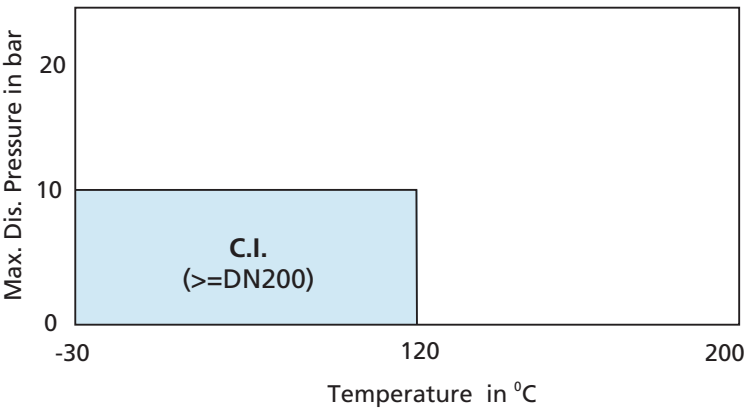
Design

KNCPP -process pump is a horizontal, single stage, end suction, radially split volute casing pump of back-pull out type design. KNCPP type series is now available with CE marking certification

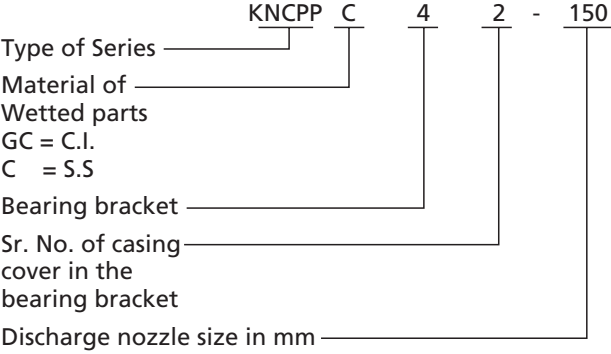
Operating Data

Pump discharge : DN 50 to 400
Capacities : Q up to 700 l/s
Heads : H up to 105 m.
Temperature : t -100 to 180 °C
Consistency : up to 8%

Pressure and Temperature Limits



Designation



Higher sizes available on request

Materials

Components	Material Variants	
	C	GC
Volute casing		IS 210 FG260
Wear plate	SS2324 / A743 Gr.CF8 / A743 Gr.CF8M / CD4MCuN / CD6MN	SS2324 / A743 Gr.CF8 /
A743 Gr.CF8M		
Impeller		
Casing cover		IS 210 FG260
Shaft	A276 TYPE 410 / 1.4462	A276 TYPE 410
Bearing bracket	IS 210 FG260	
Brg. Bracket lantern		
Bearing cover		
Shaft Prot. Sleeve	1.4462	

Equivalent grade SS2324 : 1.4460
For other material requirements, kindly contact LAC* India/ HO** Pune.

* LAC- Lead application center
**HO- Head Office

The self- venting casing prevents air-lock

Volute casing with low radial forces

Standard execution is offered with gland packings. A split gland & lantern ring enable easy replacement of gland packing.

Heavy duty shaft to ISO 5199. Deflection at stuffing box less than 0.05mm.

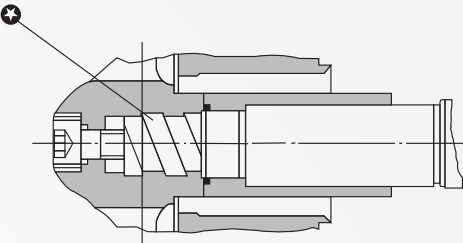
The wear plate is externally adjustable to provide constant clearance between the impeller & the wear plate as well as high efficiency.

Open impeller specially designed for pulp application provides smooth transfer of stock upto 8% consistency.

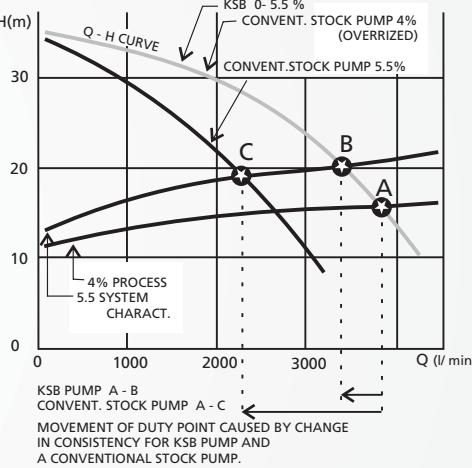
Simplified sturdy bearing unit design. Non floating rotor eliminates seal & bearing problems. Both oil & grease lubrication are available.

The strong & rigid bearing support leg improves mounting stability & eliminates distortion caused by piping loads.

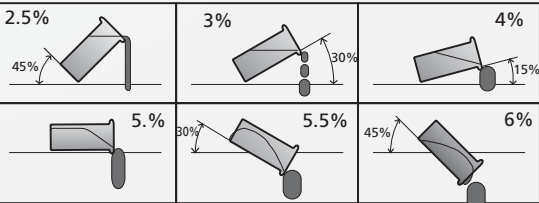
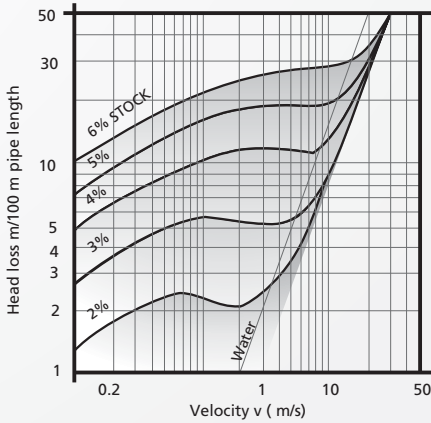
- ✳️ **ROTOKEY spiral key**
- Fixed spiral key
 - More power transmission capability
 - Self locking
 - Back-run safe
 - Easy installation and dismantling
 - Non-sensitive to axial thrust
 - Never a missing key again
 - Carries all advantages from normal Key and Screw locking-but no disadvantages.



Process Stability



Stock Behaviour



Effect of stock consistency on stock flow characteristics