

KNCPP

End Suction Process Pump (60 Hz)

Applications :

- Process Industry



Design to ISO 2858



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.

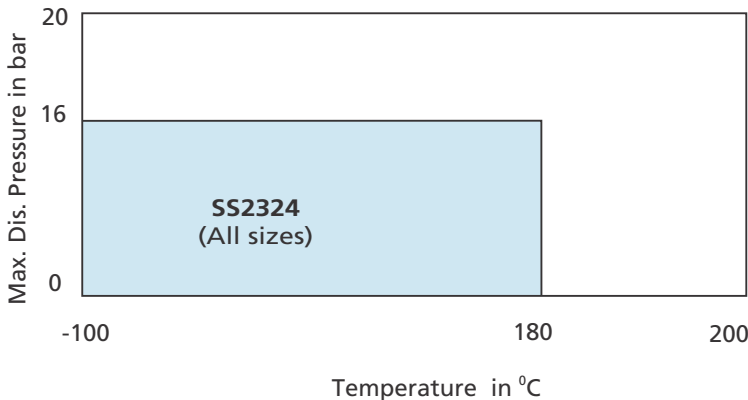
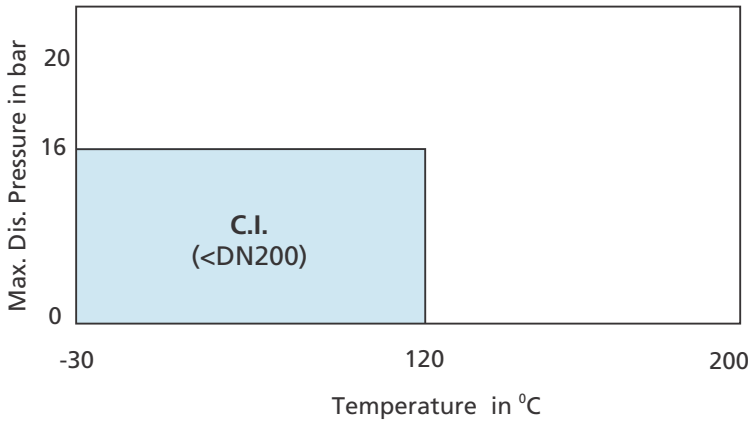
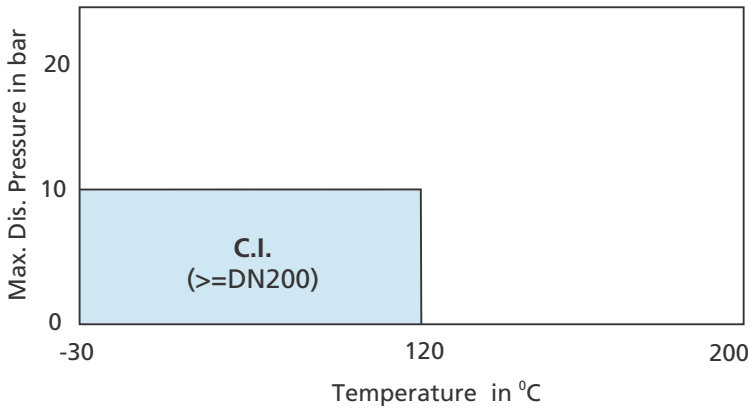
Design

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

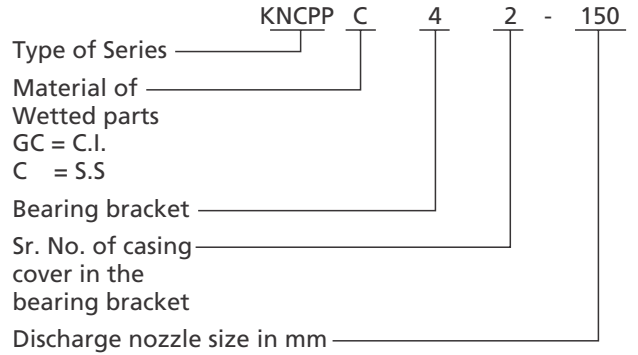
Operating Data

Pump discharge : DN 50 to 400
 Capacities : Q up to 805 l/s
 Heads : H up to 90 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	SS2324 / A743 Gr.CF8 / A743 Gr.CF8M / CD4MCuN / CD6MN	IS 210 FG260
Wear plate		SS2324 / A743 Gr.CF8 /
A743 Gr.CF8M		
Impeller		IS 210 FG260
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

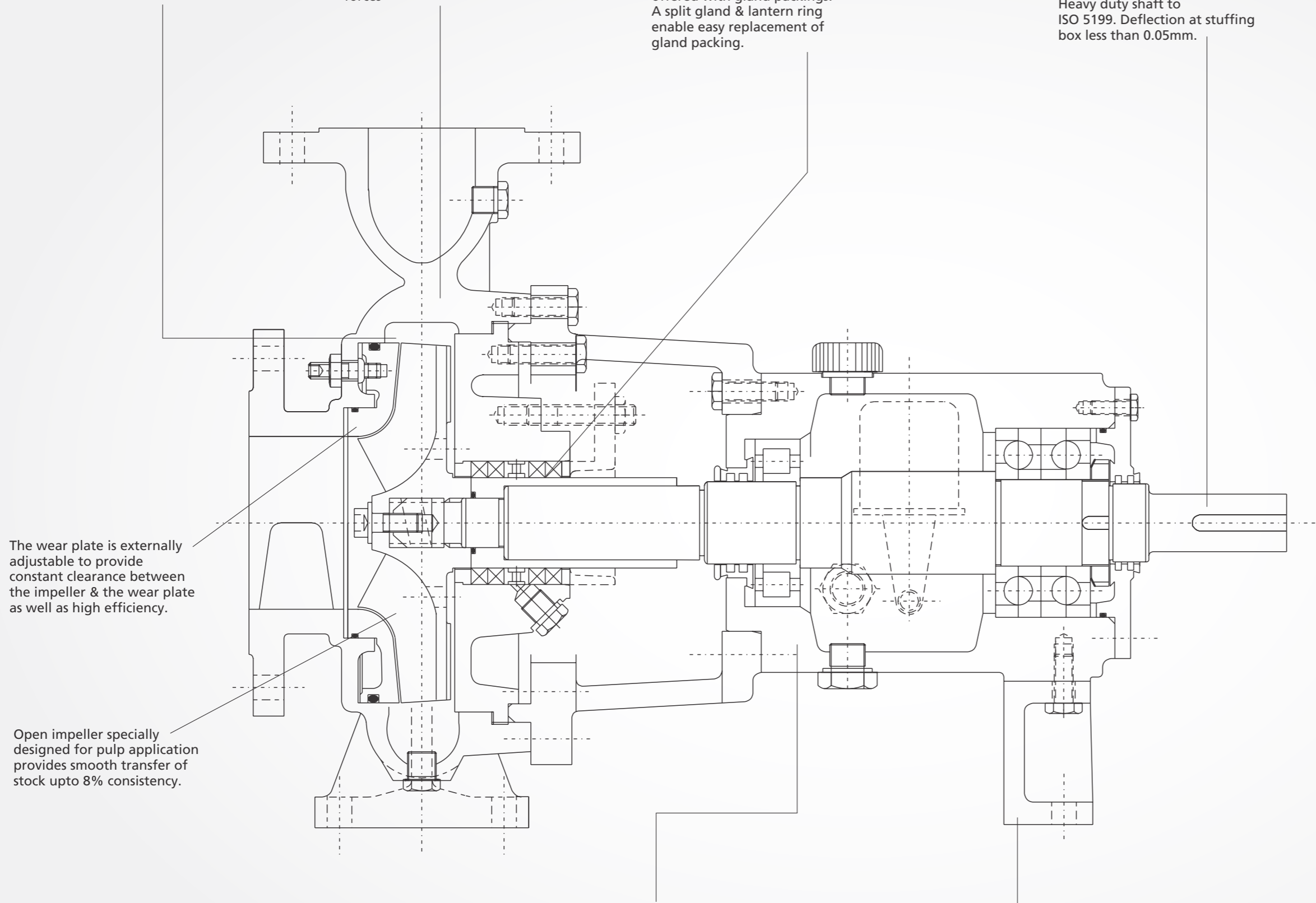
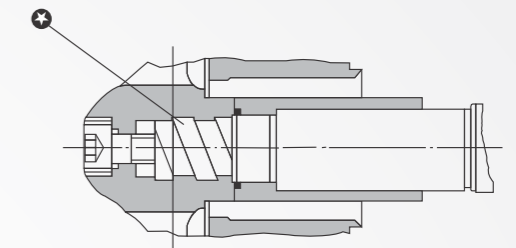
Volute casing with low radial forces

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.

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.



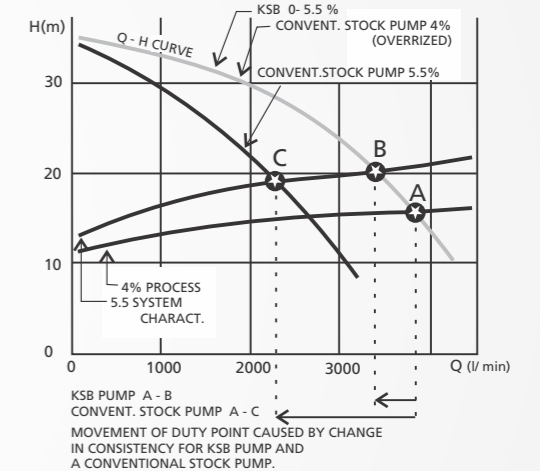
The wear plate is externally adjustable to provide constant clearance between the impeller & the wear plate as well as high efficiency.

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

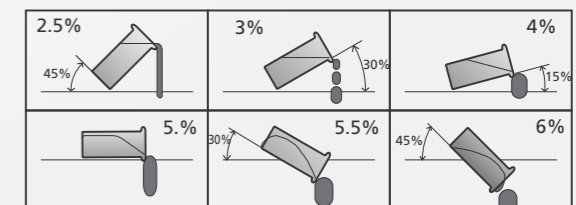
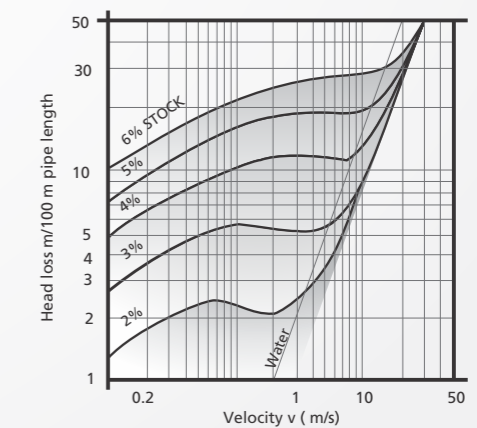
Simplified sturdy bearing unit design. Non floating rotor eliminates seal & bearing problems. Both oil & grease lubrication are available.

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

Process Stability

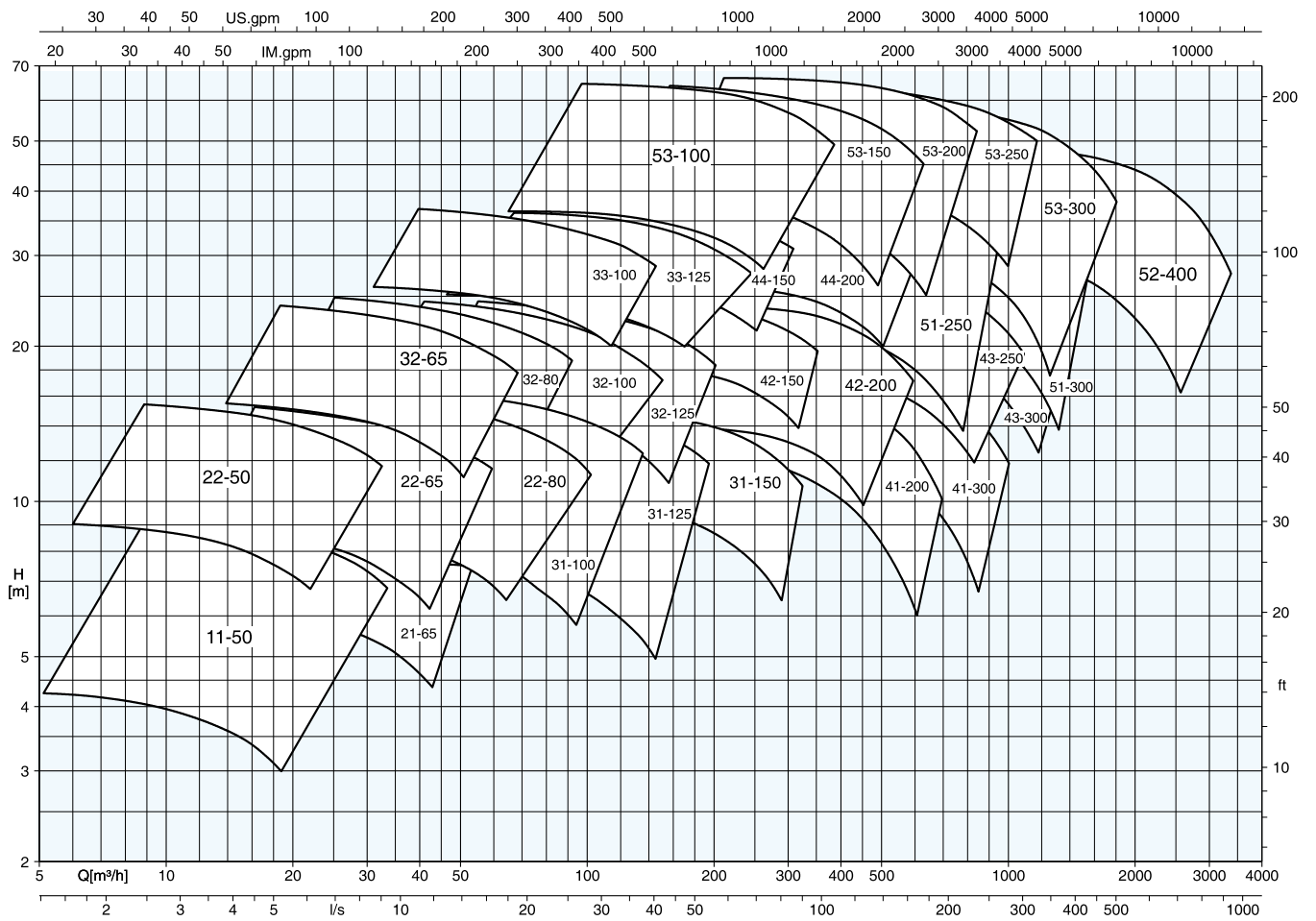


Stock Behaviour

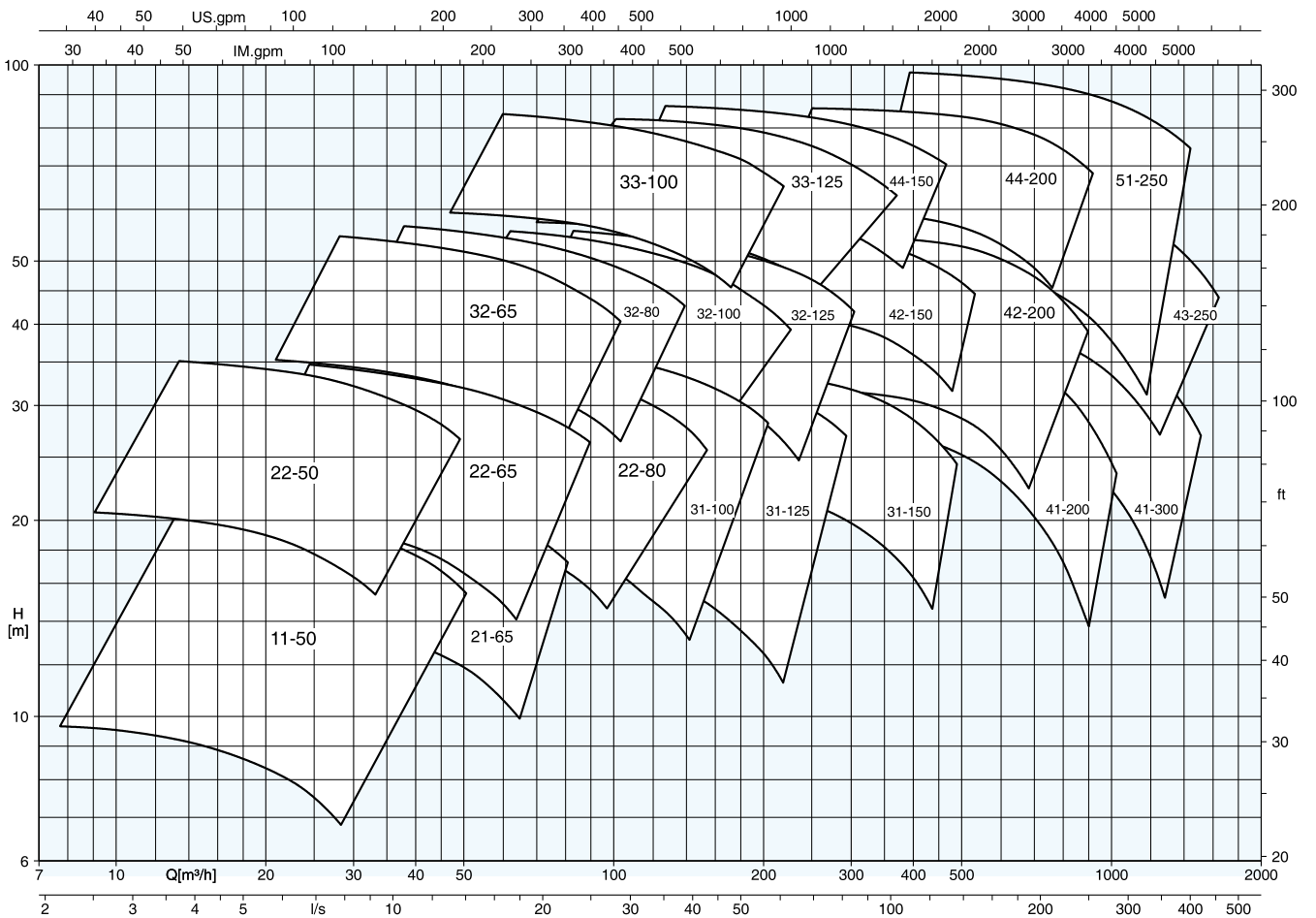


Effect of stock consistency on stock flow characteristics

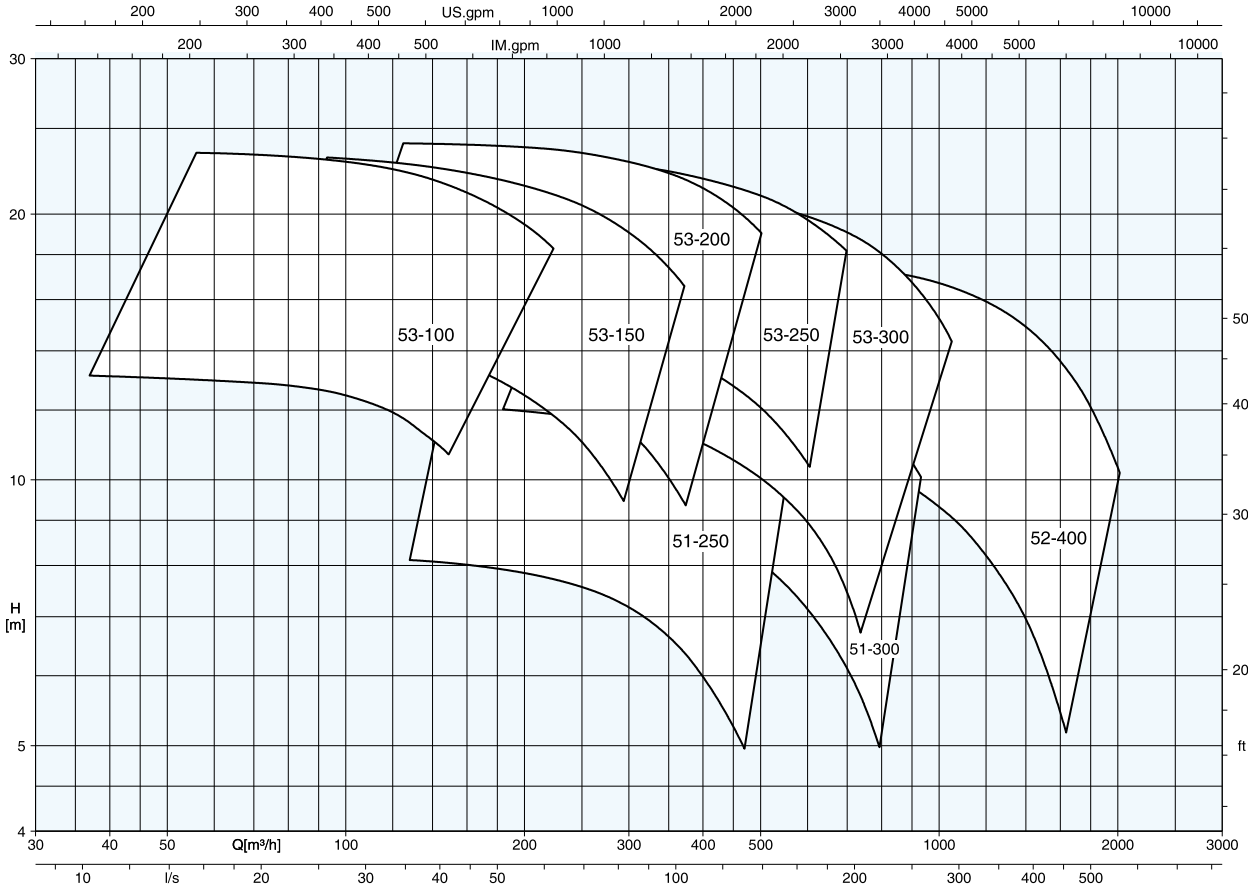
1180 rpm



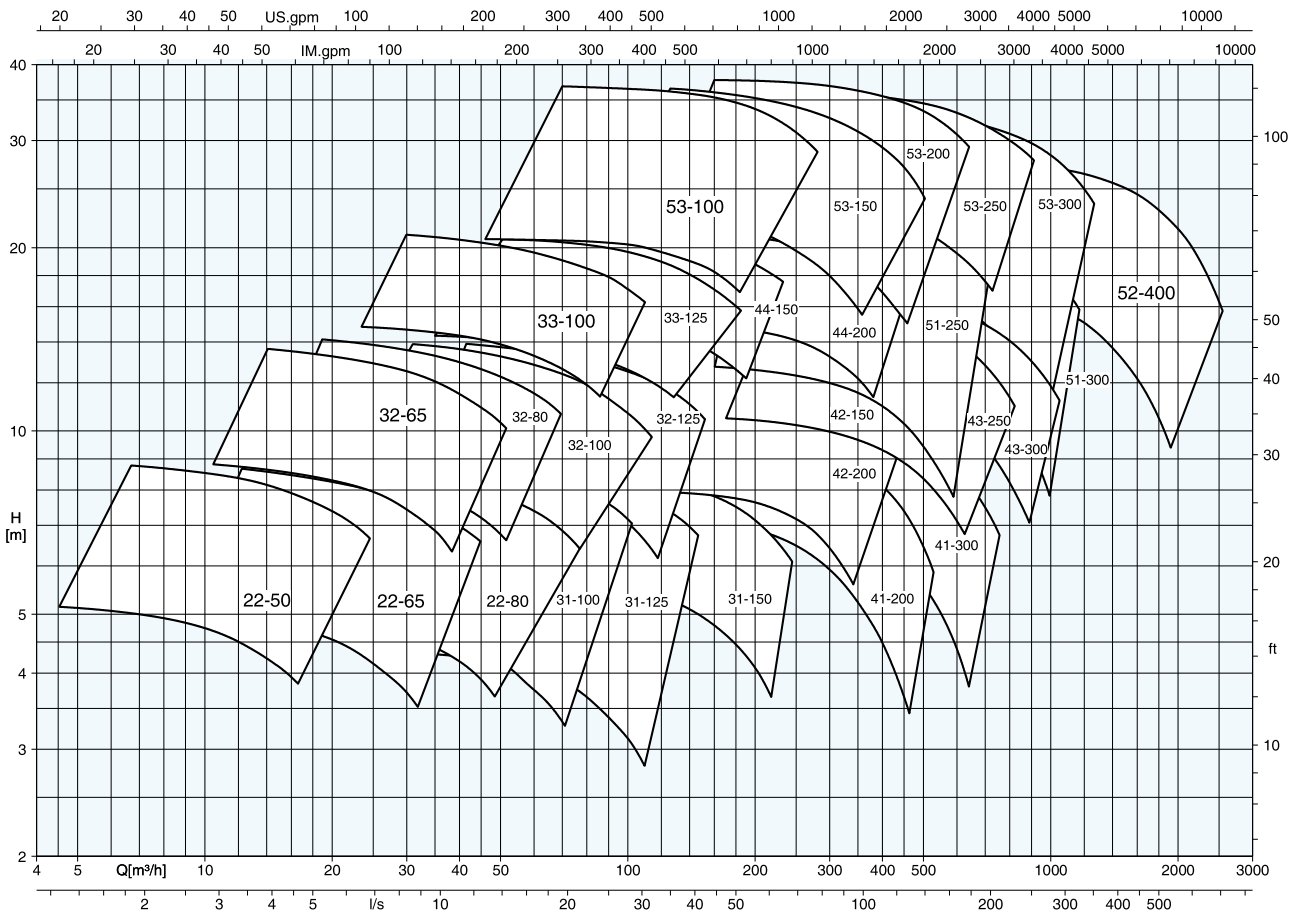
1780 rpm



710 rpm



890 rpm



6440.023/ 01-EN Technical matter subject to change without notice.



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