



KIRLOSKAR BROTHERS LTD.

**END SUCTION BACK PULL OUT ENCLOSED IMPELLER PUMP TYPE DB(SMALL) & DB(LARGE) CONFORMING TO DIN24255
SUITABLE FOR GLAND PACKING OR MECHANICAL SEAL**

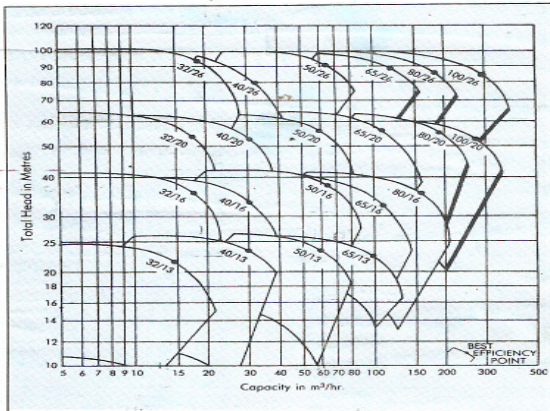


Description

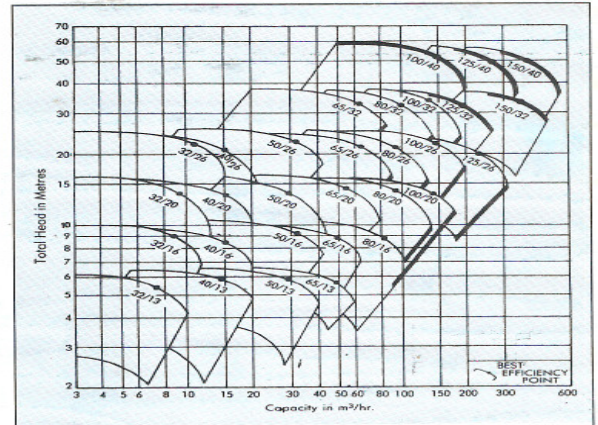
Range : Delivery size up to 150 mm, Capacity up to 550 m³/hr Head up to 100 metres for DB small & Delivery size up to 300 mm, Capacity up to 1900 m³/hr Head up to 35 metres for DB Large **Applications** : Suitable for Circulation of Water in Industries, Air Conditioning Plant, Power Station, Mine Drainage, Lift Irrigation, Sprinkler systems, Fire Fighting, Booster service, pumping brine, alkaline solutions, oils, benzene etc. for liquids having temperature in

the range of .100 C to 1000C **Constructional Features** : These are single stage, single suction, horizontal shaft type. They are made in accordance with DIN24255. DBHS are similar to DB pumps but with heavy duty bearings. Models are available to operate at 1450 rpm and 2900 rpm at 50 Hz and 1750 rpm and 3500 rpm at 60 Hz **Casing** : End suction, volute type with top centreline discharge. Suction and discharge nozzles as well as the supporting feet are cast integral with the casing. **Impeller** : Enclosed type and accurately balanced dynamically. Hydraulically balanced by back vanes and for large impellers by balancing holes and back wear rings. **Shaft** : Three driving units cover complete range. The high tensile steel shaft accurately machined and ground is supported by antifriction bearings. The shaft is protected by shaft sleeve from wear in stuffing box area. **Stuffing Box** : The stuffing box can be sealed by gland packing or by mechanical seal. **Bearings** : Deep groove ball bearings are provided. Standard lubrication is grease. Oil lubrication against requirement, only for DB pumps. **Direction of Rotation** : Clockwise viewed from driving end. **Drive** : Suitable for coupling with electric motors, engines directly or through belt drives. **Flanges** : Standard : Drilling as per DIN 2533 ND 16 for DB Drilling as per ASA 125 for DBHS pumps. Optional : Drilling as per IS/BS/ASA/DIN available with suitable pressure rating. **Material of construction** : Casing/casing cover : CI/ SGI/Bronze , Impeller : CI/SGI/Bronze , Shaft : C-40/ SS

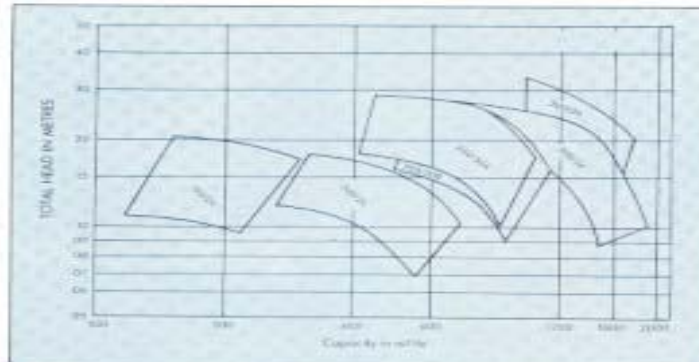
Family Curve of DB/DBHS Pump at 2900 rpm – 50Hz



Family Curve of DB/DBHS Pump at 1450 rpm – 50Hz



Family Curve of DB (Large size) pump at 1450 rpm – 50 Hz



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