



KIRLOSKAR BROTHERS LTD.

END SUCTION BACK PULL OUT ENCLOSED IMPELLER PROCESS PUMP TYPE CPHM



Range: Delivery size up to 150 mm, Capacity up to 470 m³/hr Head up to 150 metres, **Applications:**

Suitable for Circulation of Water in Industries up to 3000 PPM turbidity, AirConditioning 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 -30°C to 100°C

Constructional Features : These are single stage, single suction, horizontal shaft type. They are made in accordance with DIN24255. Models are available to operate at 1450 rpm and 2900 rpm at 50 Hz and 1750 rpm and 3500 rpm at 60 Hz

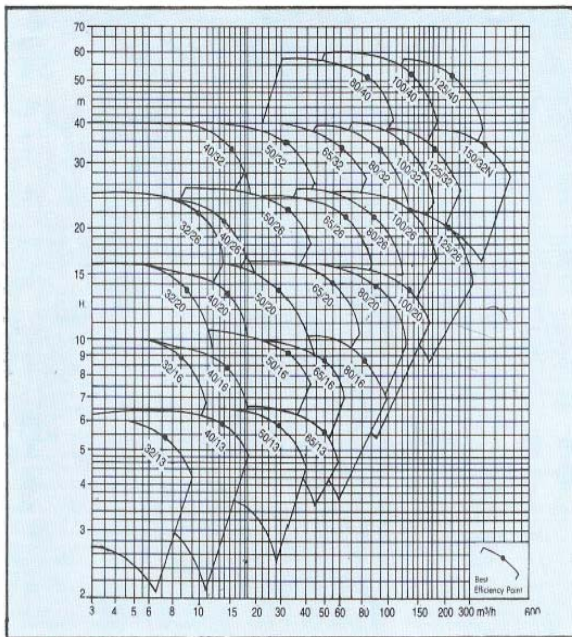
Casing : End suction, volute type with top centreline discharge. Suction and discharge nozzles as well as the supporting feet are cast integral with the casing. **Impeller :** Enclosed type and accurately balanced dynamically. Hydraulically balanced by back vanes OR by balancing holes.

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**

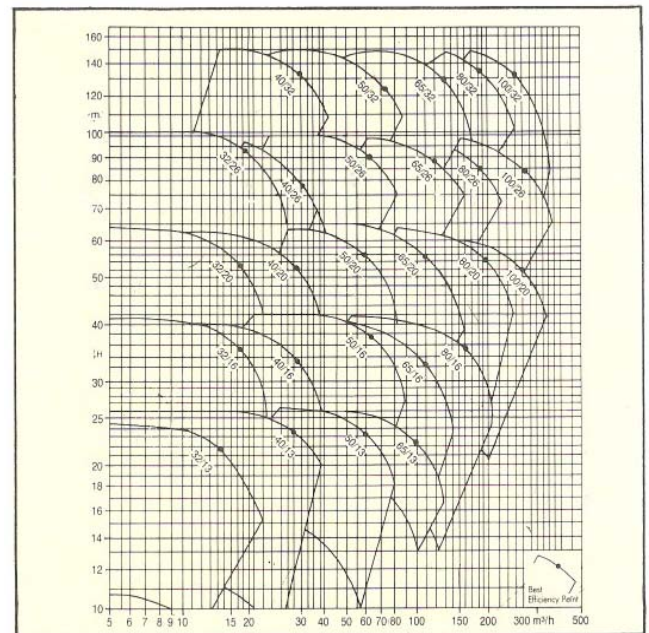
: The stuffing box can be sealed by gland packing or by mechanical seal. **Bearings :** Deep groove ball bearings are provided. Standard lubrication is grease. Oil lubrication against requirement, only for DB pumps. **Direction of Rotation :** Clockwise viewed from driving end. **Drive :** Suitable for coupling with electric motors, engines directly or through belt drives. **Flanges :** Standard : Drilling as per DIN

2533 ND 16 (CI – Raised face) & DIN 2543 (Steel – Raised face) Optional : DIN ND 10, ND25, ASA150, BS10 TABLE F, BS4504-16 BAR or 25 BAR, **Material of construction :** Casing/casing cover : CI/SGI/Bronze, Impeller : CI/SGI/Bronze, Shaft : C-40/ St. Steel

Family curve of CPHM Pump at 1450 rpm - 50 Hz



Family curve of CPHM Pump at 2900 rpm - 50 Hz



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