



KIRLOSKAR BROTHERS LTD.

PLICASE SINGLE/DOUBLE VOLUTE MOTOR/ENGINE DRIVEN PUMP TYPE DSM



Description

Range : Delivery size up to 150 mm, Capacity up to 470 m³/hr, Head up to 180 metres

Application : Suitable for Water Works, Circulation of Water in Air Conditioning Plant, Power Station, Mine Drainage, Lift Irrigation, Fire Fighting, Paper and Sugar Mills, Steel Plants etc. Can be used for handling slightly contaminated liquids.

Constructional Features : These are horizontal axially split casing, two stage single suction, pumps with horizontal shaft. Variety of models are available to operate at 50 Hz and at 60Hz.

Special Features : – Direct or gear drive, – Rotating assembly available for inspection or maintenance by removing only upper half casing without disturbing suction or delivery piping and motor, – Highest hydraulic and overall efficiency due to latest design and manufacturing techniques, – Very high efficiency in the operating range – Good suction performance and low NPSH, – Stable characteristics, – Minimum maintenance, – Vibration-free performance, – High reliability

Casing : Horizontal axially split volute type, suction and discharge nozzles and supporting feet cast integral with lower half casing.

Impellers : Enclosed type accurately balanced impellers are placed back to back to balance axial thrust load.

Shaft : The high tensile steel shaft accurately machined and ground is supported by antifriction bearings. The shaft is protected by shaft sleeves from wear in stuffing box area.

Stuffing Box : The stuffing box can be sealed by gland packing or by mechanical seal and is suitable for liquids having temperature up to 90°C

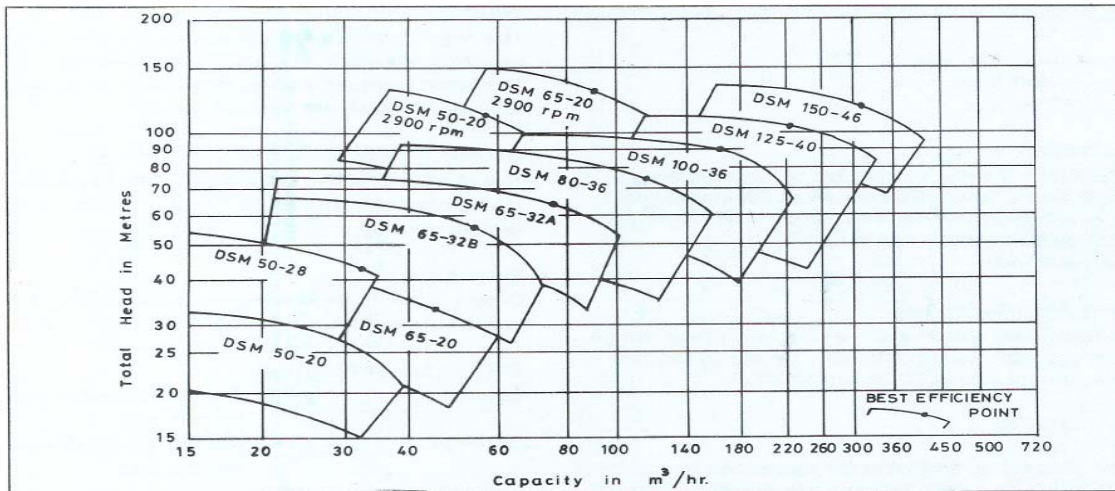
Bearings : Deep groove ball/roller bearings are provided. Standard lubrication is grease.

Direction of Rotation : Standard – Clockwise / Anticlockwise viewed from driving end depending upon model. Optional – Models with reverse rotation are available upon request.

Drive : Suitable for coupling with electric motors, I.C. engines, or steam turbines either directly or through belt drives.

Flanges : Standard : Drilling as per BS-10 Table D or BS 4504 Table 16/11 (Raised face) depending upon model. Optional : DIN/ASA with suitable pressure rating.

Family Curve of DSM (Thrubore) Pump at 1450 rpm - 50 Hz



Authorised Distributor Perfect Industrial Services
34&5, CENTRE POINT, OPP PIPARIA POLICE STN, Silvassa-396230 (DNH)
Tel.: 0260-2633225, Fax: 0260-2632518, Cell: 9375122207/9824122207
E-mail: info@perfectindustrial.com, www.perfectindustrial.com



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