



KIRLOSKAR BROTHERS LTD.

HORIZONTAL SPLICASE SINGLE VOLUTE MOTOR/ENGINE DRIVEN PUMP TYPE SCT

Description



Range : Delivery size up to 250 mm, Capacity up to 1100 m³/hr, Head up to 115 metres.

Application : Suitable for handling water with slight impurities in Industries, Water Works, Irrigation, Sprinkler Irrigation, Fire-fighting, Air Conditioning Plants, Water Circulation, Processing Plants.

Constructional features : These are horizontal axially split casing, single stage, double suction or single suction pumps with horizontal shaft and detachable stuffing box called Insert. Variety of models are available to operate to 50Hz and at 60 Hz.

Special features :

- _ Direct or gear drive.
- _ Suitable for higher working pressures.
- _ Rotating assembly available for inspection or maintenance by removing only upper half casing without disturbing suction and delivery piping and motor.
- _ Pump axis horizontal or vertical.
- _ Vertical pump, direct drive or with universal shaft arrangement.
- _ 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 required
- _ Vibration free performance
- _ Highest reliability
- _ High degree of interchangeability of components.

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

Impeller : Double or single suction type accurately balanced. In the case of double suction impellers, the hydraulic thrust is balanced automatically because of pressure equalization on both sides of the impeller.

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 : Can be sealed by gland packing or by mechanical seal and is suitable for liquids having temperature from (-) 8°C to 90°C. In special cases packing or mechanical seal can be offered upto 120°C.

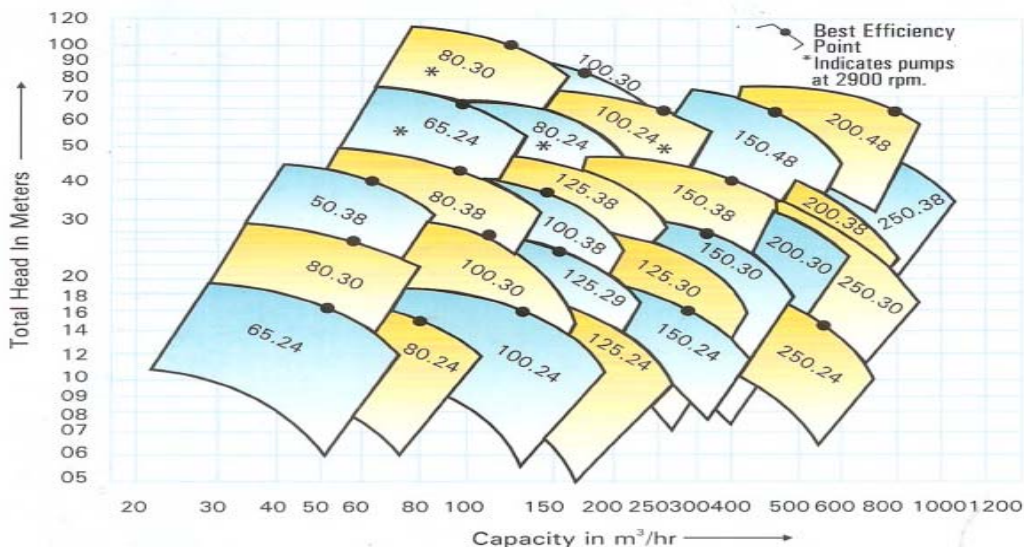
Bearings : Deep groove ball bearings are provided. Standard lubrication is grease.

Direction of rotation : Standard : Clockwise viewed from driving end. Optional : Anticlockwise viewed from driving end.

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

Flanges : Standard : Drilled to BS : 4504 PN 16 F. F. Optional : DIN 2533, ND16, BS 4504, PN 25 ASA 125/150

Family Curve of SCT Pumps 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