



# KIRLOSKAR BROTHERS LTD.

## **INNOVATIVE- H T SERIES HORIZONTALLY SPLIT CASING PUMP Energy Efficient | Dual Drive | Compact Design | Leakage Proof | Low Downtime**



Kirloskar Brothers Limited (KBL) is a leading manufacturer of horizontal split case pumps. Over the years we have taken feedback from our customers and understood their needs and converted them into an innovative design - iHT. is a 2900 rpm horizontal axially split casing, centrifugal pump with new features.

iHT is available in single and double stage construction backed up with maintenance friendly design and with optimum efficiencies. This new generation split case pump is designed for externally removable type bearing housing, DIN cavity mechanical seal, impeller nut & sleeve arrangement and easy wear ring fitment. These pumps have a lot of maintenance friendly features apart from operational advantages like dual drive. **PUMP DETAILS:** Delivery Sizes : Upto 300 mm, Discharge : 30-1300 m<sup>3</sup>/hr, Head : 30 to 250 Metres Speed : 2900

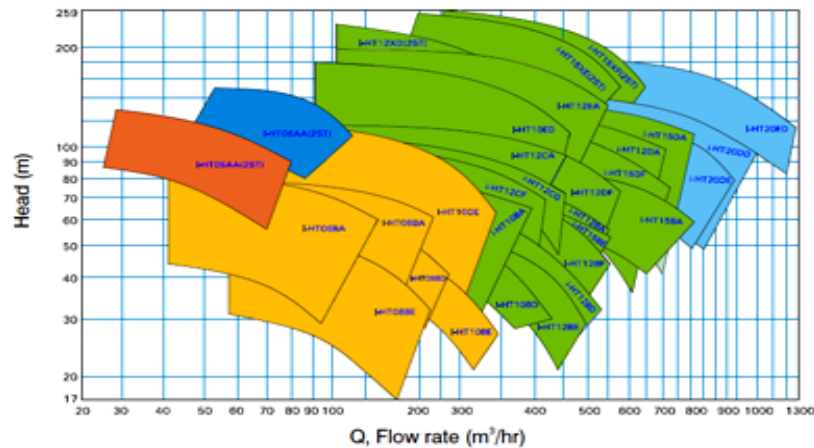
rpm, Stuffing Box : Mechanical Seal for Single stage, Mechanical Seal / Gland packing for double stage, Flanges : As per BS 4504 PN16/PN25/PN 40, Liquid Temperature : 80 - 90 C Material : CI Casing/BR Impeller/SS431 Shaft **APPLICATION:** • Suitable for Fire fighting, • Primary & secondary HVAC application, • High pressure boosting system • Dewatering in mines • Cooling tower • Recirculation • Industrial utility water application • Desalination • Water supply • Paper plant • Steel plant for high pressure injection • Sugar plant

**CONSTRUCTIONAL FEATURES:** iHT pumps are horizontal split case single/double stage centrifugal pumps. All single stage pumps are provided with double suction type impeller. Both single stage/double stage pumps are fitted with DIN 24960 cavity mechanical seal. The impeller/s is/are centrally placed on a sturdy designed shaft and the entire rotating assembly is dynamically balanced to provide a smooth, trouble free, longer and efficient operation. **SPECIAL FEATURES: EASY BEARING REMOVAL:** The bearing can be removed without dismantling the upper half casing and without taking the rotating unit out by using puller. Thus, saving on the down time and cost.

**FLANGES:** All single stage pumps are designed for flanges as per BS 4504 PN16 & PN25 rating and for two stage pumps flanges are as per BS 4504 PN40 rating. For other standard flange requirements, please contact us. **BENEFITS:** Highly efficient - low operation cost, Compact size and less floor space, Low down time - quickly fixable, Low prime mover cost, Lowest pumping - project cost, Dual Drive to reduce downtime **SIMPLE TO REPLACE THE WEAR RING:** iHT is designed for easy dismantling and assembly. Hence, with average fitment skills casing ring can be replaced. **FOOLPROOF ASSEMBLY OF IMPELLERS:** Both impellers are designed in such a way by using Pokayoke that they cannot be wrongly fitted in each other's place. **BETTER HEAT DISSIPATION, ENHANCED GREASE LIFE:** Special Engineering plastic UHMWPE is used for bearing caps in order to achieve higher resistance to corrosion and changes in the weather condition. Because of its better heat dissipation, rise in temperature is reduced in bearing housing which helps in enhancing the grease life. **DUAL DRIVE, REDUCED DOWNTIME:** iHT series is designed for dual drive i.e., the pump can be connected to motor and engine & can be switched over by clutch arrangement. This helps in reducing the downtime as well as the need for a stand by pump. Since the pump can be driven from both the ends, it provides flexibility for attaching it with prime mover having clock wise or anti-clockwise rotation to suit the site requirements.

**REDUCTION IN ASSEMBLY TIME DUE TO INNOVATIVE SLEEVE AND NUT ARRANGEMENT:** Due to the robust design and construction, vibrations are within limit as per HIS standard. iHT series has been designed to provide ease in replacing worn-out sleeves without disturbing the impeller assembly.

① HT FAMILY RANGE AT 50Hz



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