



Submersible **Explosion-proof** Pumps

Vortex Impeller

HSX

Semi-open Impeller

KTX



HSX

KTX

Suitable for Use in Potentially Explosive Atmospheres

Features

1. Anti-wicking Cable Entry

The cable entry has an anti-wicking block. It prevents ingress of water that may occur when the cable is damaged or the end of the cable is accidentally submerged.

2. Motor Protector

Every model is equipped with a CTP, circle thermal protector. Integrated in the motor housing, the CTP directly cuts the motor circuit if excessive heat builds up or an overcurrent caused by an electrical or mechanical failure occurs.

3. Dual Inside Mechanical Seals with Silicon Carbide Face

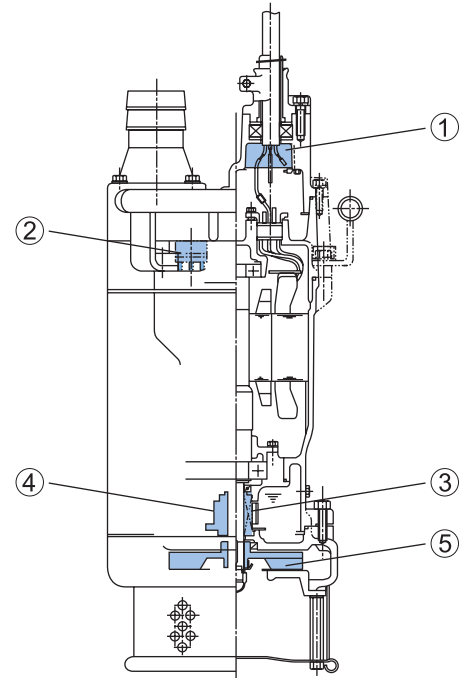
Tsurumi incorporates the dual inside mechanical seal (dual face mechanical seal located in an oil bath) in all pumps. As both top and bottom sealing faces are lubricated by the oil only, it ensures a longer life of the product and a stable sealing effect.

4. OIL LIFTER (Patented)

The OIL LIFTER is a lubricating device that forcibly lubricates the mechanical seal. It further stabilizes the functions of the mechanical seal and extends the life expectancy of the seal and also the maintenance term.

5. High-chromium Cast Iron Impeller

The impeller resists wear caused by abrasive particles and enables the pump to maintain its original performance for an extended period of time.



Applications

Dewatering wastewater from industrial plant, e.g. petrochemical plant

Pumping wastewater from collection sump where explosive atmosphere is likely to present

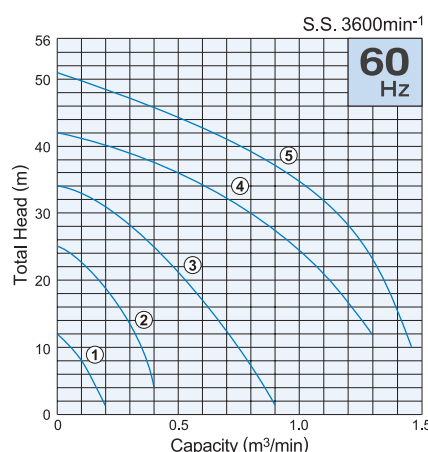
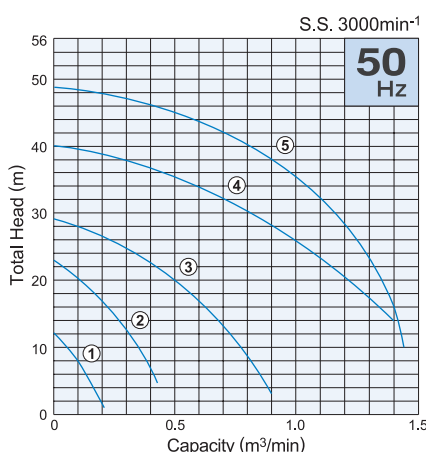
Designing to conform class 2 Group 4 that is equivalent to d II T4

Model Selection

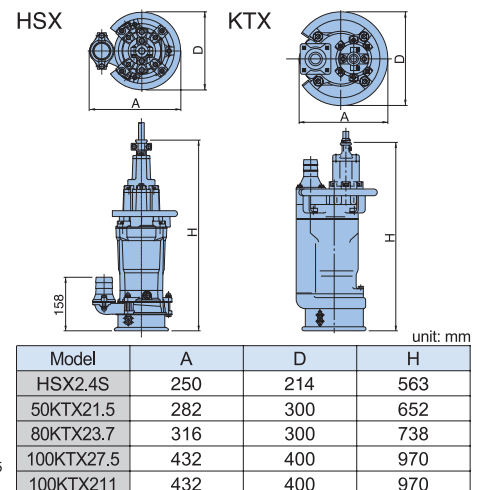
Curve No.	Discharge Bore mm	Model	Motor Output kW	Phase	Starting Method	Solids Passage mm	Dry Weight* kg	Cabtyre Cable		
								Cores x mm ²	Length m	Material
1	50	HSX2.4S	0.4	Single	Capacitor Run	7	24	3 x 2.0	5	Chloroprene Rubber
2	50	50KTX21.5	1.5	Three	D.O.L.	8	55	4 x 2.0	10	Chloroprene Rubber
3	80	80KTX23.7	3.7	Three	D.O.L.	8	70	4 x 3.5	10	Chloroprene Rubber
4	100	100KTX27.5	7.5	Three	D.O.L.	20	176	5 x 5.5	10	Chloroprene Rubber
5	100	100KTX211	11	Three	D.O.L.	20	184	5 x 8.0	10	Chloroprene Rubber

* Weights excludng cable

Performance Curves



Dimensions



We reserve the right to change the specifications and designs for improvement without prior notice.

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