

UT- SERIES SEWAGE & WASTEWATER PUMPS

SAMPLE SPECIFICATIONS

	SEWAGE & WASTEWATER PUMPS	SPECIFICATIONS
1. SCOPE OF SUPPLY -		
pump waste water, sewage or e operation. The pump(s) shall be	Model Submersible Pump(s). Each unit slm³/min) at Feet (m) TDH. The pump(s) effluent containing inch (mm) diameter solids with the designed so that the shaft power required (BHP)/(kW) shall n ire operating range of the pump performance curve. The pump) shall be designed to lout damage during ot exceed the motor
2. MATERIALS OF CONS	TRUCTION -	
from gray cast iron, ASTM A48 appropriate resin, and shall be shaft. Motor shaft shall be made	the pumping unit(s) including pump casing and motor casing 3 CLASS 30B. Impeller shall be manufactured from a recycle of the multi-vane, semi-vortex, solids handling design which chined to provide a positive drive of the impeller. Internal an with the pumpage shall be protected by a fused polymer coatined.	able, application is slip fit onto the d external cast iron
3. MECHANICAL SEAL -		
running in a separate oil filled of bottom seal faces and the fluid lubrication of top mechanical seadditional electrical power. Me Ft.). Units shall have silicon of	n a dual inside mechanical shaft seal located completely chamber and further protected by an exclusionary oil seal local being pumped. Unit shall be fitted with a device that shall pieal, (down to one third of the standard oil level). The device echanical seals shall rated to preclude the incursion of water carbide mechanical seal faces. Mechanical seal hardware slateel shaft sleeve shall provide additional protection of the medid debris.	cated between the provide positive shall not consume any up to 42.6 PSI. (98.4 hall be stainless steel.
4. MOTOR -		
Design Type B equivalent. Mo factor and shall be rated for 20 insulated with built in thermal p shall be supported by two pern efficiency point of 60,000 hours ball bearings. The top bearing	Hp.,kW.,V., 60 Hz., Phase and shall otor(s) shall be rated at full load amps. Motor(s) shall be starts per hour. Motor(s) shall be air filled, copper wound, corotection for each winding. Motor shaft shall be 420 or 403 manently lubricated, high temperature ball bearings, with a Brs. The bottom bearing shall be single row, double shielded, g shall be single row, double shielded, C3, deep groove type shall be gray cast iron, ASTM A48 CLASS 30B.	ll have a 1.15 service class E, B, or F stainless steel and -10 life rating at best C3, deep groove type
5. POWER CABLE AND C	CABLE ENTRANCE -	
entrance that incorporates buil reducing cable boot. The pow	e suitable for submersible pump applications. Units shall be It in strain relief, a one piece, three way mechanical compres er cable shall be field replaceable. The cable entrance asse o eliminate water incursion into the motor due to capillary wi	sion seal with a fatigue mbly on all units shall