

Typical Specification for Series e-1532 Close Coupled Foot Mounted End Suction Pumps

Furnish and install pumps with performance characteristics as shown on plans. Pumps shall be close coupled, foot mounted, single stage, end suction design, capable of being serviced without disturbing pump piping connections.

Pump volute shall be Class 30 cast iron with integrally cast pedestal support feet. The impeller shall be cast stainless steel enclosed type. Impeller shall be hydraulically and dynamically balanced to ANSI/HI 9.6.4-2009, ISO 1940 balance grade G6.3, keyed to the shaft and secured by a stainless steel locking cap screw.

The liquid cavity shall be sealed off at the motor shaft by an internally flushed mechanical seal with ceramic seal seat and carbon seal ring, suitable for continuous operation at 225°F (107°C). A replaceable shaft sleeve of stainless steel shall completely cover the wetted area under the seal.

Pumps shall be rated for 175 psi (12 bar) working pressure. Volute shall have gauge tapings at the suction and discharge nozzles and vent and drain tapings at the top and bottom.

Motor shall meet NEMA specifications and shall be of the size, voltage and enclosure called for on the plans. It shall have heavy duty grease lubricated ball bearings, completely adequate for the maximum load for which the motor is designed.

The pump selected shall conform to ANSI/HI 9.6.3.1-2012 standard for Preferred Operating Region (POR) unless otherwise approved by the engineer. The pump NPSH shall conform to the ANSI/HI 9.6.1-2012 standards for Centrifugal and Vertical Pumps for NPSH Margin.

Each pump shall be factory hydrostatically tested per Hydraulic Institute standards. It shall then be thoroughly cleaned and painted with at least one coat of high-grade paint prior to shipment.

The pump shall be manufactured, assembled and tested in an ISO 9001 approved facility.

Pumps shall be Series e-1532 as manufactured by Xylem Bell and Gossett or equal.