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**SPECIFICATIONS** SP-B305

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Series 1531

**Horizontal Close Coupled Pumps**

Furnish and install pumps with capacities as shown on plans. Pumps are close coupled, single stage, end suction design, capable of being serviced without disturbing piping connections.

Pump volute are Class 30 cast iron. The impeller is cast bronze enclosed type, balanced, keyed to the shaft and secured by a locking capscrew.

The liquid cavity are 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. A replaceable shaft sleeve of bronze alloy shall completely cover the wetted area under the seal.

Pumps are rated for 175 psi maximum working pressure. Volute have gauge tappings at the suction and discharge nozzles and vent and drain tappings at the top and bottom.

Motor meets NEMA specification and is the size, voltage and enclosure called for on the plans. It will have heavy duty grease lubricated ball bearings, completely adequate for the maximum load for which the motor is designed.

The pump(s) selected conform to ANSI/HI 9.6.3.1 standards for Preferred Operating Region (POR) unless otherwise approved by the engineer. The pump NPSH conform to the ANSI/HI 9.6.1-1997 standards for Centrifugal and Vertical Pumps for NPSH Margin.

Each pump is factory tested per Hydraulic Institute standards. It will be thoroughly cleaned and painted with at least one coat of high-grade machinery enamel prior to shipment.

The pump(s) is manufactured, assembled and tested in an ISO 9001 approved facility.

Series 1531 is manufactured by Bell & Gossett.



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