Models 1, 1.5, 2, 2.5, 3, 4, 5, 6G, GL, GT, K, KL, KH, KS Close-Coupled - Bulletin 310



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## Close Coupled End Suction, Flanged Connection

General  Furnish and install as shown on the plans,  (qty) Weinman End Suction Series 310 size  (xx) model centrifugal pump(s). Each shall be capable of pumping GPM	The motor shaft shall be steel and protect (bronze)(stainless steel) sleeve heat fit to neoprene deflector shall be mounted on prevent liquid from entering the motor.
when operating against a total pumping head of feet (suction lift/suction pressure) at the temperature, specific gravity and viscosity indicated. The pump shall operate at RPM and shall have percent minimum efficiency at the design point. The pump(s)	<b>Testing</b> The following (witnessed)(non-witnessed be performed in accordance to Hydraulic standards.
shall be rated for continuous service and shall be bronze fitted construction suitable for pumping a liquid with the following characteristics:	Pump performance (A)(B) t Routine Motor test Hydrostatic - Complete Pur
Liquid handled  Specific Gravity  Temperature  Viscosity of liquid at pumping temperature  NPSHA	Motor The motor shall be not less than h NEMA design B squirrel cage type, (drip (EISA)(premium) efficiency motor with (1 factor and suitable for operation on (115) phase, (50)(60) Hertz power supply OR
Note: Add any additional facts concerning the nature of the liquid or installation which might affect the pump construction, application or operation.  Construction	(575) volt, 3 phase, 60 hertz power supp shall be sufficient to prevent overloading conditions or at the lowest listed head co whichever point requires greater horsepoinstallation, grouting and connection of a and motor must be checked for alignmen

The adapter to the casing is to be one piece cast iron construction capable of mounting a type 1 mechanical seal with carbon/(ni-resist)(ceramic) faces, stainless steel metal parts and elastomers, rated at (180)(230) degrees F. Casing shall be of cast iron ASTM-A48, Class 30 cast iron with tensile strength of 30,000 psi. Pump unit shall be capable of standing hydrostatic test pressures of 1.5 times maximum working pressure. All assembly points shall be of machine register fit to assure proper alignment. The flanged casing discharge nozzles shall conform to ANSI B16.1 specifications with minimum 125 psi ratings at 230 degrees F. A renewable wear ring shall be fitted to the case at the suction fitting.

The casing shall have tapped and plugged drain connections, air vent and 1/4" npt gauge tappings on the suction and discharge nozzles. The case shall be of the suction cover design for ease of maintenance and service with out disturbing discharge piping, bearing frame or motor mounting. The impeller shall be of the enclosed design constructed of ASTM B584 Bronze (with a renewable impeller wear ring).

cted with a o the shaft. A the shaft to

d) tests are to c Institute test

F	Pump performance (A)(B) tolerance leve
F	Routine Motor test
F	Hydrostatic - Complete Pump

np \_\_\_\_\_ RPM, proof)(TEFC) .15)(1.0) service (230) volt, 1 (200)(230)(460) ly. Motor size at operating onditions ower. Following all piping, pump nt in accordance with standards of the Hydraulic Institute.

SECTION 310 PAGE 8/11 DATE

