

GOULD MODEL 3409-900 COMPLETE PUMP SPECIFICATIONS

1. Goulds Model 3409-900 L, 14x18-23 single stage, horizontal split case centrifugal pump available from ITT/Goulds Pump Company, Seneca Falls, NY or equivalent pump from another manufacture that will can be installed without modifications in the same intake and discharge plumbing configuration.
2. Service Liquid, Seawater
3. Performance requirements: 7000 gpm at 93.8 feet of total dynamic head (TDH) with maximum net positive suction head requirement of 11 feet of water absolute at this flow rate.
4. Cast Iron casing and double suction, 20.5-inch diameter impeller
5. Flange, intake/discharge 125# flat face
6. Type 316 stainless steel shaft and shaft sleeves.
7. Type 316 stainless steel casing and impeller wear rings.
8. Packed stuffing box type shaft seals (acrylic yarn impregnated with petroleum lubricants and graphite.
9. Grease lube bearings.
10. 18-inch flanged suction and 14-inch flanged discharge ports; flange drilling and pressure capabilities to match Class 125 ANSI B16.1.
11. High (premium) efficiency 200 hp., 900 rpm, TEFC electric motor with 1.15 service factor and suitable for operation on a 460-volt, 3 phase, 60 hertz circuit operation.
12. Flexible shaft coupling and coupling guard to be included and installed.
13. Motor is to be mounted to the left side of the pump when facing the suction flange (clockwise pump shaft rotation when viewed from the motor) on a sturdy factory mounting frame
 - This bid is for a **complete pump** with electric motor mounted on a sturdy factory mounting base frame.
 - Price to include all shipping and handling costs FOB, Natural Energy Laboratory of Hawaii Authority (NELHA), Kailua-Kona, Hawaii 96740