Members of CRYOGENIC INDUSTRIES

Model TC-34

Submerged Pump

Not available for O_2 service.

Applications

Use where product loss is not acceptable

- Liquid storage transfer
- Mobile delivery transfer–LAR, LIN
- Vehicle fueling stations–LNG

Features & Benefits

- Pump and motor are fully submerged in liquid minimizing loss and guaranteeing quick response pumping
- Vacuum jacketed sump provides extremely low heat leak—ideal pumping conditions (optional)
- Sealess and submerged design minimizes maintenance requirements
- Vertical pump design provides greater stability and longer life
- Designed VFD motor provides broad range of operation

Liquids Pumped

- N_2, Ar, methane (LNG)

Specifications

Flow Range

gpm	2–90
lpm	8–340

NPSHR

3–12 feet
1–4 meters

Differential Head

50–1600 feet
15–488 meters

Pump Design Rating

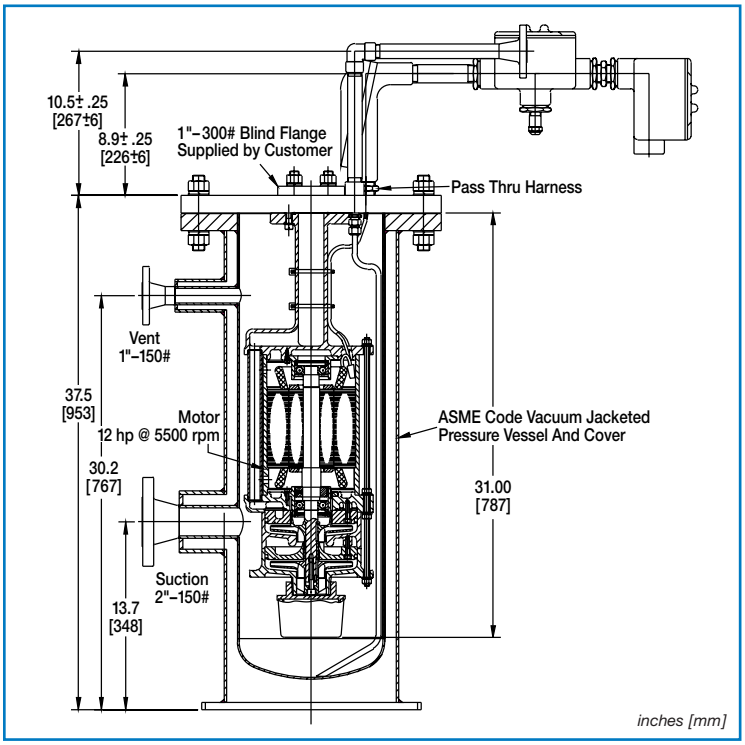
hp	15 or 25
kw	11 or 18.5

RPM Range

rpm	1500–6000

Model TC-34

Dimensions



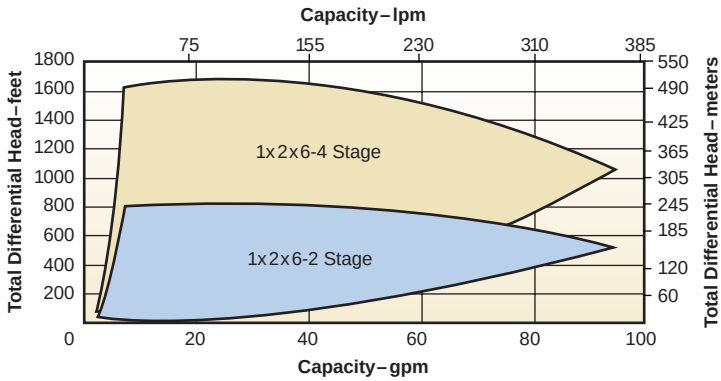
Scope of Supply

- Pump and integral VFD designed motor with hermetically sealed lead through
- Mounting flanges for mating connections

Optional Accessories

- Vacuum jacketed sump
- Variable frequency drive
- Differential pressure gauge
- Loss of prime detector (cavitation protection)
- Safety relief valve
- Dual conduit box per NFPA standards for LNG service

Pump Performance Map



based on 60hz

Speed Range –1500 to 6000 rpm

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