

Model TC-34

Submerged Motor Pump



Specifications

Flow Range	gpm	2 – 400
	lpm	8 – 1510
NPSHR	feet	1.5 – 12
	meter	0.5 – 4
Differential Head	feet	50 – 1,600
	meter	15 – 488
Pump Design Rating	hp	10 up to 38
	kw	7.5 up to 34
RPM Range	rpm	1,500 – 7,200

Consult ACD engineering for actual performance ratings.

Not suitable for O₂ service

Features & Benefits

- Gastight design
- 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)
- Seamless and submerged design minimizes maintenance requirements
- Vertical pump design provides greater stability and longer life
- Special design VFD motor provides broad range of operation

Applications

Use where product loss is not acceptable

- Liquid storage transfer
- Mobile delivery transfer – LAR, LN₂
- Vehicle fueling stations – LNG

Liquids Pumped

- Liquid Nitrogen
- Liquid Argon
- Methane (LNG)

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