



Model AC-48

Heavy Duty Gearbox Pump

Applications

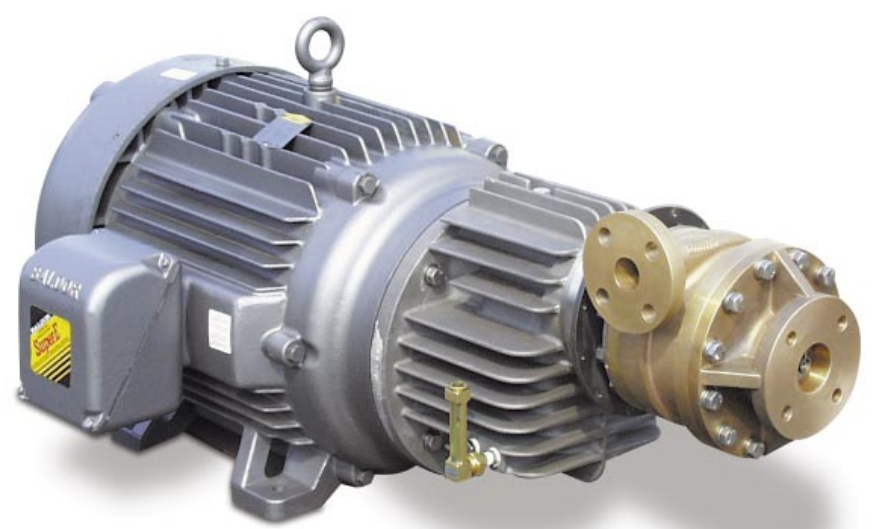
- ▶ Pipeline back up
- ▶ Process send out
- ▶ High pressure transfer

Features & Benefits

- ▶ Pump designed exclusively for process conditions tolerant of piping strains and minimal cavitation
- ▶ Heavy duty gearbox construction provides:
 - reliable operation and installation tolerance
 - improved efficiencies at higher speeds
 - higher operating range, flow rates
- ▶ Shaft design allows for vibration-free operation
- ▶ Shaft seals (mechanical or labyrinth) operating at suction pressure are state-of-the-art and prolong operation without leakage

Liquids Pumped

- ▶ N₂, O₂, Ar



Specifications

Flow Range

gpm	30-390
lpm	114-1475

NPSHR

feet	2-8
meters	0.6-2.5

Differential Head

feet	400-2000
meters	120-610

Pump Design Rating

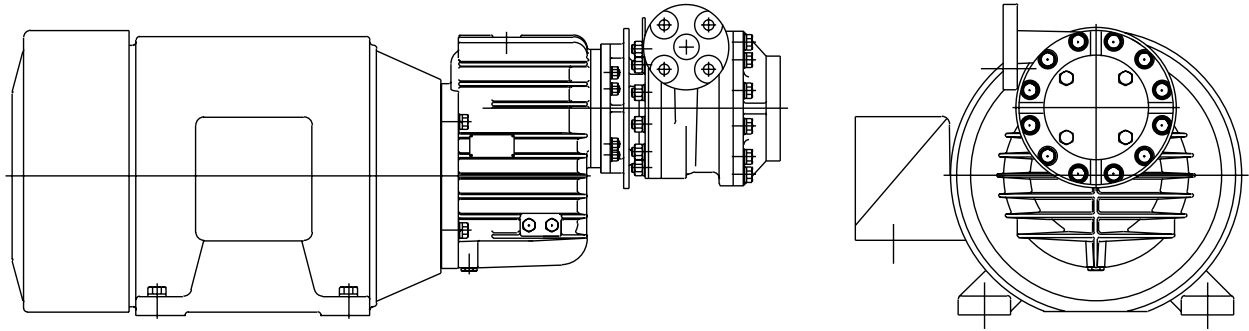
hp	25-125
kw	18.5-90

RPM Range

rpm	3900-7500
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Dimensions



Contact ACD or ACD CRYO for dimensional information.

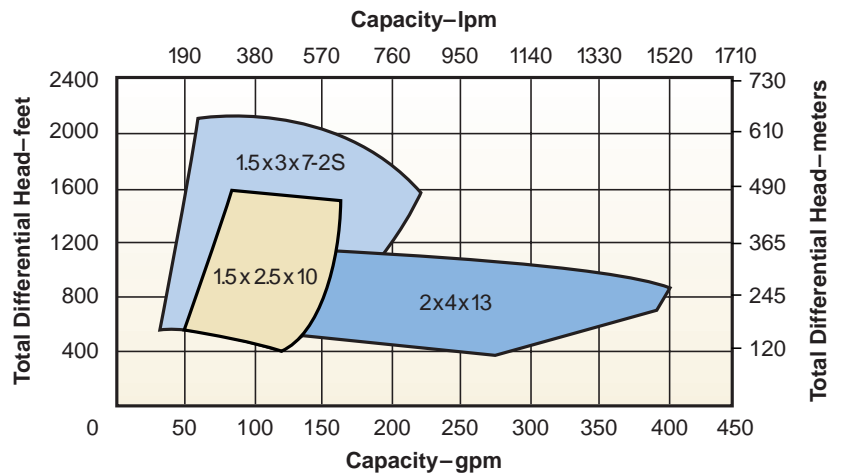
Scope of Supply

- ▶ Pump, high performance gearbox with purge ports, TEFC motor
- ▶ Mechanical seal with provision for purge gas
- ▶ Closure plate
- ▶ Integrated lube oil system (oil shipped loose)

Optional Accessories

- ▶ Pump system, P&ID dwg #54215
- ▶ Oil heater
- ▶ Gearbox purge
- ▶ Auto control system
- ▶ Labyrinth seal with gas regulators
- ▶ Seal gas panel (labyrinth)
- ▶ Liquid level sensor

Pump Performance Map



Speed Range:

1.5x3x7-2S	3900 to 7500 rpm
1.5x2.5x10	3900 to 6200 rpm
2x4x13	3600 to 4400 rpm

based on 60hz

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