Members of CRYOGENIC INDUSTRIES

Model AC/TC-30

Close Coupled Pump

Applications

- Liquid storage transfer
- Process plant
- Truck and trailer off-loading
- Tank car unloading

Features & Benefits

- Close coupled design provides:
  - low-high pressure operations at high efficiencies
  - fewer moving parts
  - lower maintenance costs
- Shaft seal design (mechanical or labyrinth) provides long life and efficient performance
- VFD compatibility allows for multiple operating speeds
- Minimum recirculation wear rings reduce maintenance requirements and improve efficiencies

Liquids Pumped

- N_2, O_2, Ar

Specifications

Flow Range

gpm	16–630
lpm	60–2350

NPSHR

feet	2–12
meters	0.6–4

Differential Head

feet	20–700
meters	6–210

Pump Design Rating

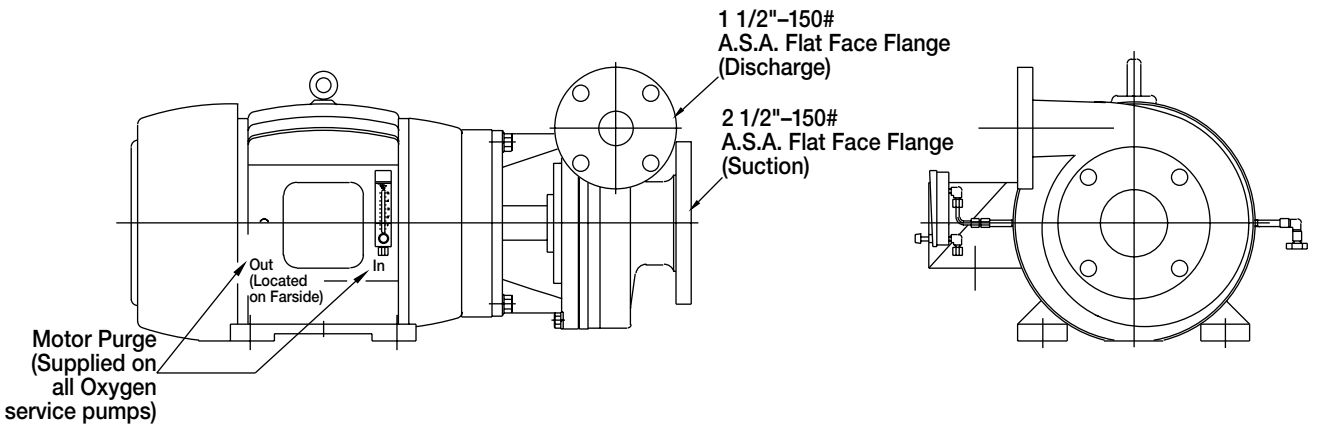
hp	3–100
kw	2.2–75

RPM Range

rpm	1450–3500

Model AC/TC-30

Dimensions



Contact ACD or ACD CRYO for dimensional information.

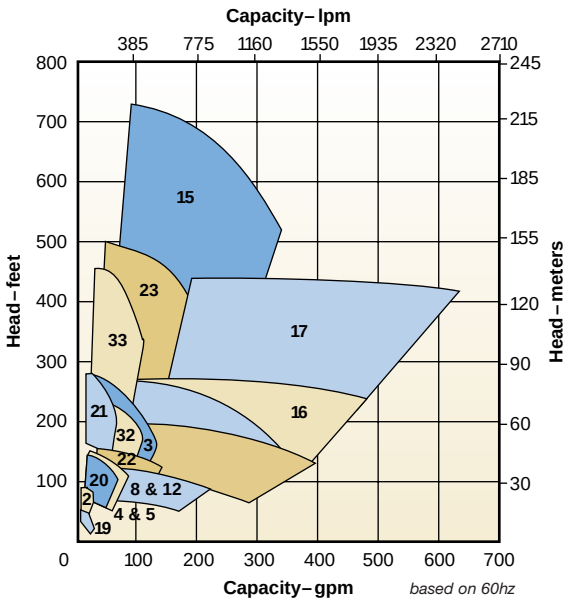
Scope of Supply

- Pump and TEFC electrical motor
- ELF mechanical seal (select models)
- Motor and seal purge ports

Optional Accessories

- Labyrinth seal (dual, single)
- Pump skid, P&ID dwg #54215
- Automatic control system
- Purge, seal and recommended spare parts kits

Pump Performance Map



Pump ID	Pump Size
2	1x2x4.5
3	1x3x8.5
4	1.5x2.5x6A
5	1.5x3x6
8	2x3x6
12	2x4x6
13	2x4x8.5
15	2x4x13
16	3x4x8.5
17	4x5x10.5
19	.75x1x4
20	1x2x6
21	1x2x6-2S
22	1.5x2.5x6C
23	1.5x2.5x10
25	2x4x7.37
32	1.5x3x7
33	1.5x3x7-2S

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