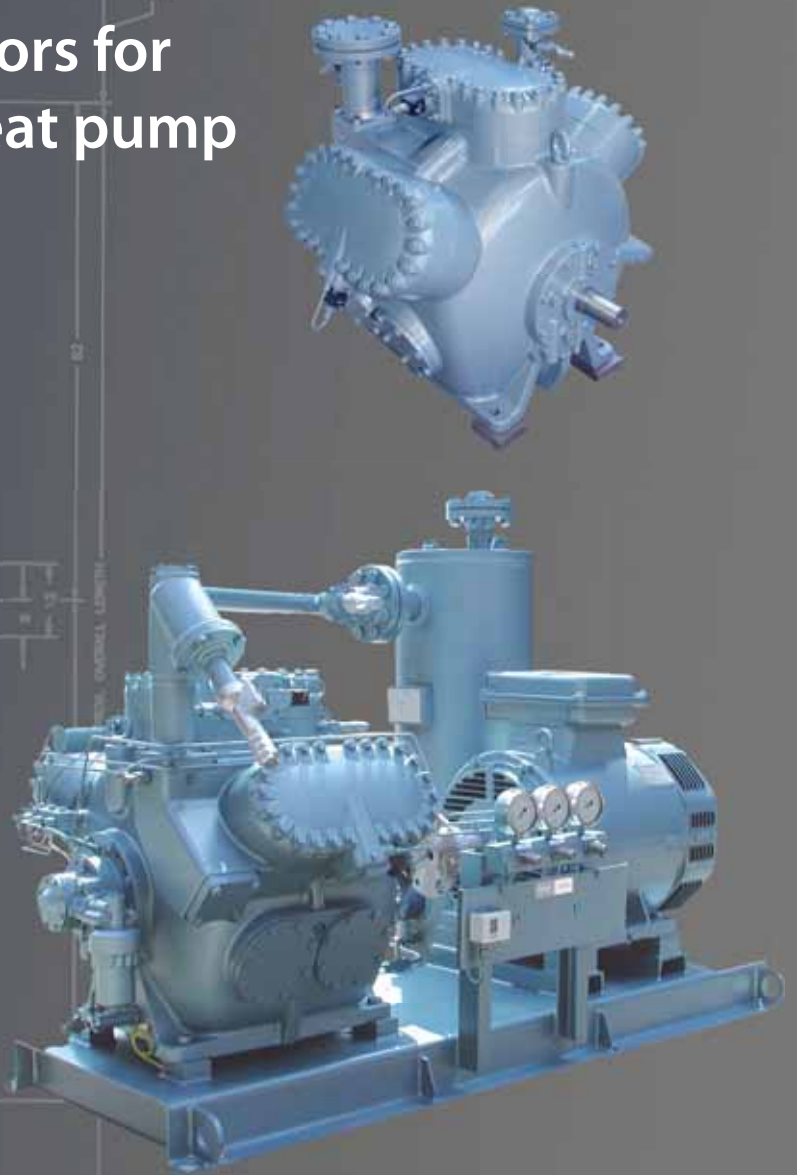




5HP Series

Reciprocating compressors for
CO₂ freezing and NH₃ heat pump
applications

60 CFM to 120 CFM



GEA Refrigeration / GEA FES, Inc.

5HP Product Range

Since its introduction in 2006, the 5HP series high pressure reciprocating compressor, for use in CO₂ cascade refrigeration systems, has become a well accepted and reliable product in the industrial refrigeration market. Four (4) models, ranging from 3 to 6 cylinders, cover a wide range of capacities. The 725 psig design allows for CO₂ hot gas defrost in most cases.

With the high pressure design features, the 5HP series reciprocating compressor has been developed for use in the emerging NH₃ heat pump applications. At 725 psig design pressure, water temperatures close to 170°F are possible.

Features of the 5HP series:

- 725 psi discharge design pressure for high intermediate temperatures
- Up to 435 psi pressure difference across compressor
- Suitable for variable speed, 500 to 1500 RPM
- Capacity control steps per cylinder
- Heavy duty thrust bearing for longer bearing life
- Peek valves optimized for extended valve life and improved efficiency
- Hot gas defrost capabilities



Model (Single stage)	Swept volume at 1500 RPM (CFM)	CO ₂		NH ₃	
		Cooling cap. -60°F/0°F TR	Cooling cap. -40°F/20°F TR	Heating cap. 95°F/175°F (MBH)	Heating cap. 95°F/160°F (MBH)
35HP	59	30	44	915	950
45HP	79	40	58	1215	1265
55HP	99	50	72	1510	1575
65HP	119	60	86	1820	1900

GEA FES, Inc.

3475 Board Road
York, PA 17406

PH: 717-767-6411 FAX: 717-764-3627

E-Mail: sales.fes@geagroup.com



Form: CO2-0310