



ROTOVANE



RC SERIES
VERSATILE COMPRESSOR
FOR ANY APPLICATION
2 - 30 TON RANGE



RUGGED CONSTRUCTION;
STRENGTH IN SIMPLICITY

JOTEK

COMPRESSOR SPECIFICATIONS

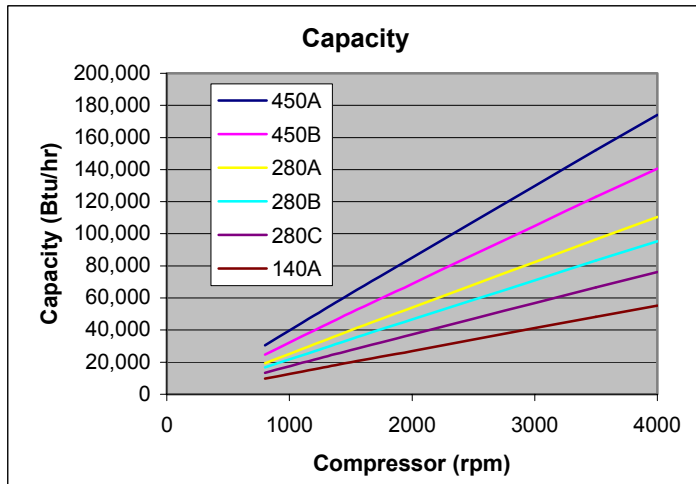
The RotoVane compressor can be integrated on a number of low, med and high temp. applications. It utilizes a unique rotary vane technology.

INHERENT DESIGN FEATURES

- Unloaded start
- Virtually vibration free
- Only one major moving part
- Mount in any orientation
- 134a, 404a, 407c, 507, 22, Ammonia
- 40% fewer parts
- NO valves
- NO metal to metal contact

VARIABLE SPEED

Linear capacity vs. rpm curve and a 5:1 turndown ratio allows fine tuning selection of capacity by changing pulley size.



CAPACITY

From 2-15 Tons, adjust your selection to your exact requirement.

R134a @ 5/55 °C, 20°C Superheat, 0 subcooling, 3000 rpm

Nom. Size	RC-SERIES	Capacity (kW)	Power (kW)	Mass Flow (kg/s)	Swept Vol.
450	RC450A	44.25	15.69	0.32	80.4
	RC450B	34.48	13.31	0.25	65
280	RC280A	28.07	10.75	0.20	51
	RC280B	23.77	8.76	0.17	44
	RC280C	18.02	6.65	0.13	35.2
140	RC140A	14.26	5.48	0.10	25.5

EASILY ADAPTED TO

- Low and high Volume applications
- Multiple circuits
- Oil cooling
- Economizer circuit
- Common oil system

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STANDARD FEATURES

PATENTED CARBON FIBER VANES



HIGH STRENGTH TO WEIGHT RATIO



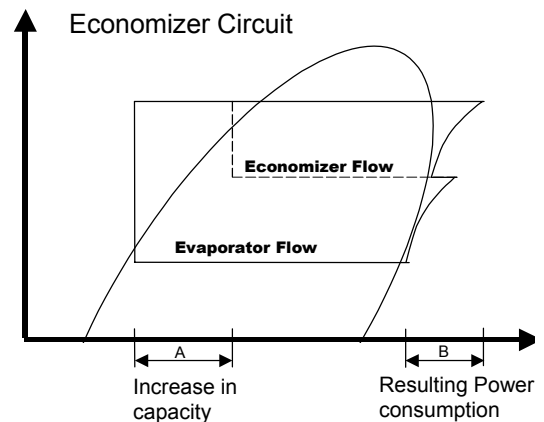
PRESSURE PLATE – VENTS LIQUID SLUGS



FLOATING ROTOR AND SELF CENTERING BEARINGS



HEAVY DUTY BELLOWS MECHANICAL SEAL



SPECIFICATIONS

MODEL	RC450	RC280	RC140
Maximum discharge pressure (Bar g)	24	24	24
Maximum discharge temperature (°C)	100	100	100
Maximum speed (rpm)	4000	4000	4000
Minimum speed (rpm)	800	800	800
Length (mm)	319	283	240
Width (mm)	264	217	217
Height (mm)	197	180	180
Shaft diameter (mm)	32	25	25
Weight (kg)	41	25.5	20
Connection sizes			
Suction	41 mm	25 mm	25 mm
Discharge	35 mm	21.5mm	21.5mm