



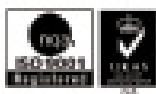
RGII Series

State-of-the-art twin-screw
compressor
designed for:

R717 and low temp.
application.

R507, R404, R134a,
R22.

Open-type Model RGII Series Screw Compressor



5580 Enterprise Pkwy., Fort Myers, FL 33905 Office (239) 694-0089 Fax: (239) 694-0031

www.mcscontrols.com

Features of RGII Open-type Compressor

Floating ECO Port for Economizer Use (RGII-200, RGII-410, RGII-620, RGII-830, RGII-1800, RGII-2280, RGII-2850)

- Enhanced cooling capacity and energy efficiency
- Efficient vapor injection through a specially-designed keyway
- Effective at full load as well as at partial load
- Pulsation-free design



High-efficiency Screw Rotor Profile

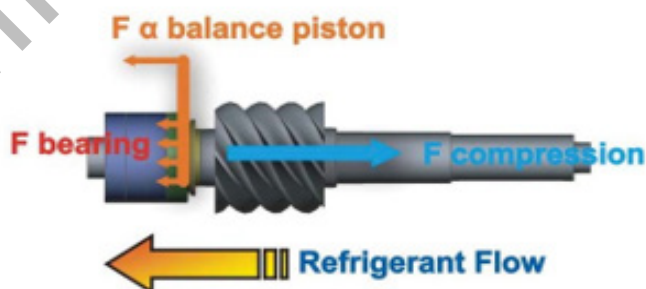
- 5-to-6 rotor profile patented in Taiwan, US ,UK and China
- Suitable in low-temp. and R717 application
- High volumetric efficiency

Dual Capacity Control

- 4-step or Stepless (25%-100%) capacity modulation
- Easy control with solenoid valve and coil
- Efficient loading/unloading oil circuit

Durable Bearing Structure

- Rigid thrust ball bearings and roller bearings
- a balance piston against axial thrust
- PEEK® bearings in R717 application
- Heavy-duty design



Wide Vi Selection

- Variable volume ratio (Vi) without over- or under-compression
- Manually adjusted volume ratio for a wide range of applications

Easy Oil Management

- Pressure-differential lubrication and capacity modulation
- Built-in oil circuit for lubrication of bearings, rotors and mechanical seal

More Features

- Flanged-on motor mounting
- Spring or bellow type mechanical seal
- Oil injection connector for extra cooling to chamber
- Discharge temperature thermistor
- Capacity indicator as optional accessory
- Low noise level and minimum vibration
- Few moving parts and easy maintenance
- Compact size on piping work

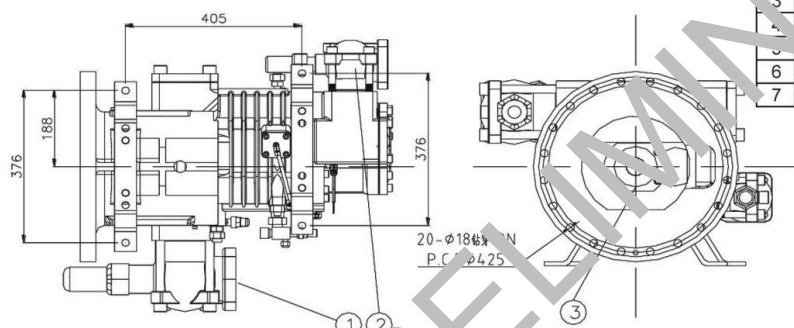
Technical Data RGII Series

FUTURE

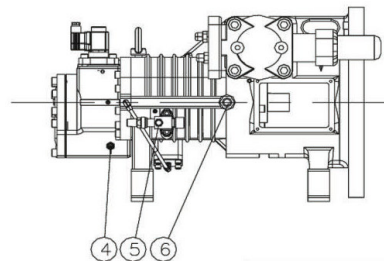
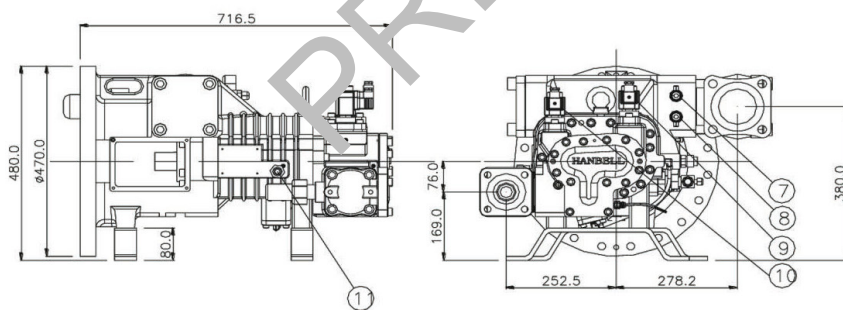
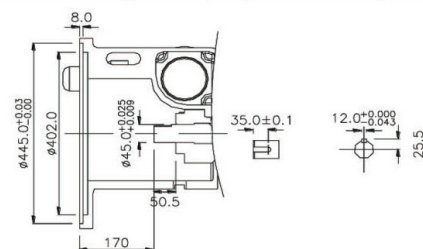
FUTURE

Model	RGII-200	RGII-410	RGII-620	RGII-830	RGII-1800	RGII-2280	RGII-2850
Power	125	160	200		250		
Rotation (r/min)	2960						
Displacement(m3/h)	254	500	746	998	2113	2724	3421
50Hz/60Hz							
Capacity control	50%/75%/100%		Stepless25%~100%; Step 25%/50%/75%/100		Stepless25%~100%		
VI range	2.6/3.5		Adjustable Vi2.6~Vi5.6				
Weight (kg)	210	330	480	520	1600	1720	1900

RGII-200 Outline



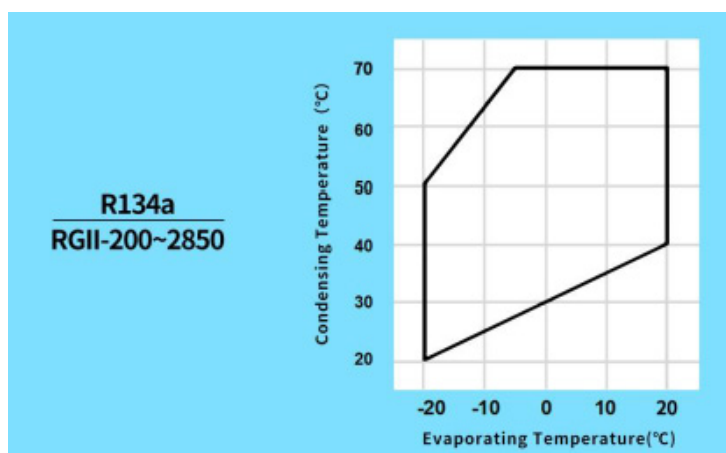
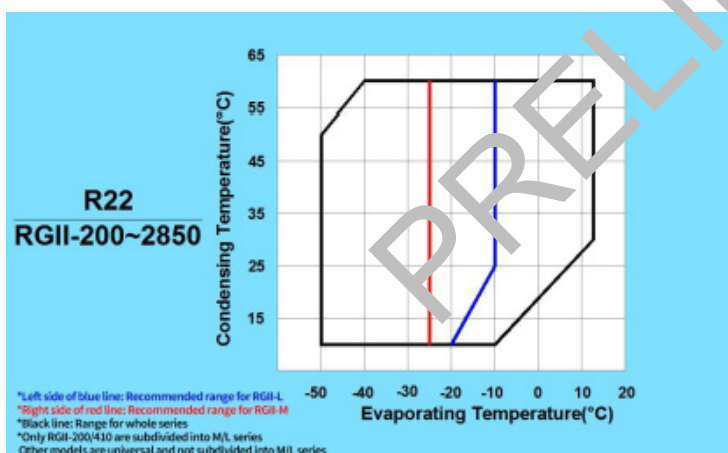
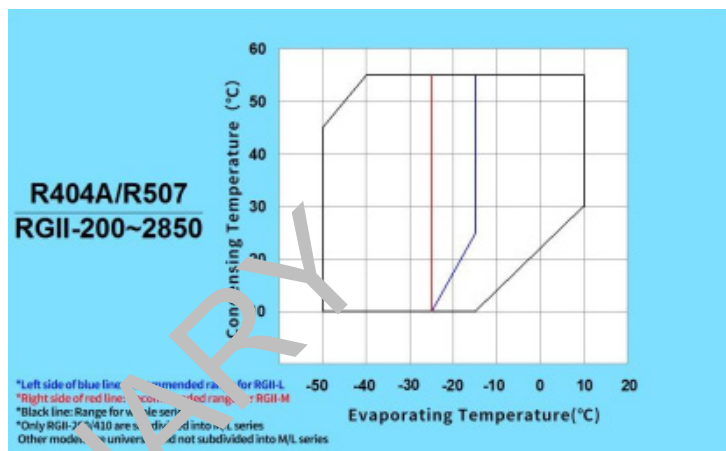
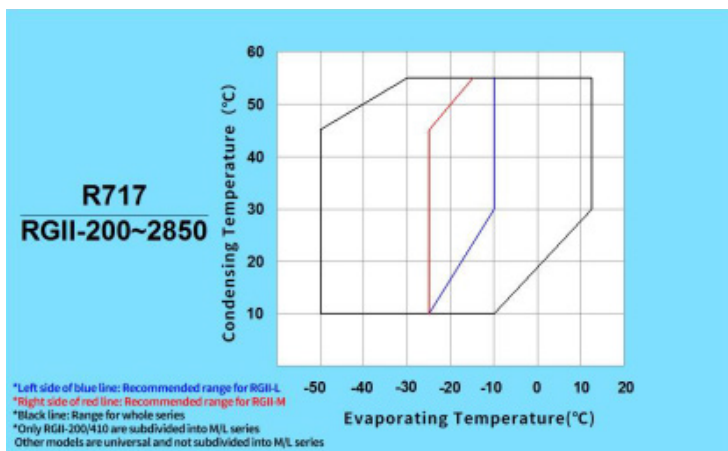
No.	Item	Remark	No.	Item	Remark
1	Suction stop valve	3"	8	Angle valve	1/4" NPT
2	Discharge stop valve	2"	9	Solenoid valve 1	
3	Oil Pipe		10	Solenoid valve 2	
4	Discharge temperature sensor	1.2m	11	Motor port	3/8" NPT
5	CO	φ22	12		
6	Oil inlet connector	5/8" φ16	13		
7	Angle valve	1/4" NPT	14		



	100%	75%	50%
SV1	●	○	○
SV2	●	●	○

**HANBELL**www.mcscontrols.com

Operation range

**HANBELL**

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