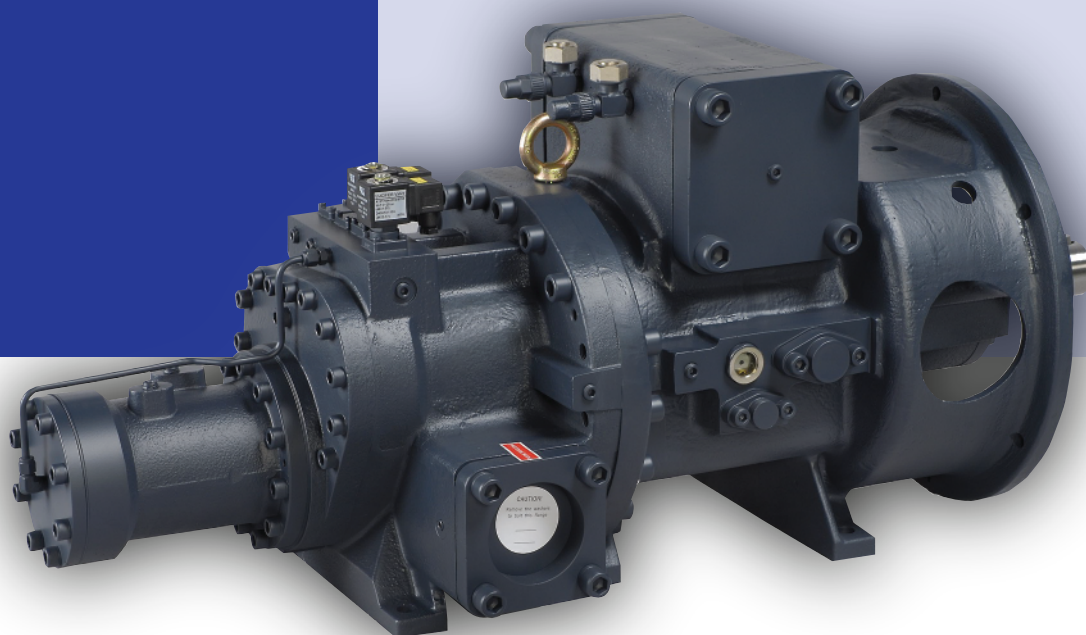


State-of-the-art technology
Screw compressor universal for
Ammonia and other gases

Open-type Model RG Series Screw Compressor



Highlights of RG Series Open-type Compressor

Economizer Operation With Floating ECO Port (RG-200, RG-410, RG-620, RG-830)

- Enhance cooling capacity as well as energy efficiency
- Sustain optimum medium pressure by vapor injection through specially-designed keyway in slide valve
- Effective under partial load and full load
- Pulsation-free design



High-efficiency Screw Rotor Profile

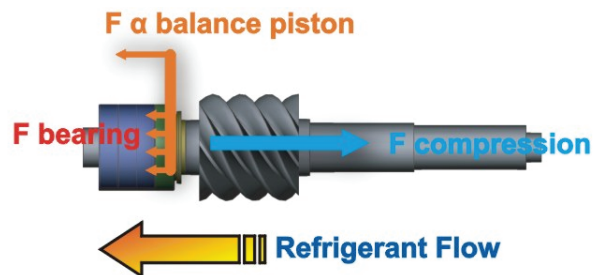
- 5-to-6 rotor profile patented in Taiwan, US, UK, and China
- Design according to characteristics of refrigerants
- Hyper volume efficiency and minimum clearance

Dual Capacity Control

- Flange-on solenoid coil easy for installation
- 4-step or continuous (25%-100%) capacity control system

Durable Bearing Structure

- 11 high-quality bearings (radial and axial resistance)
- Additional two bearings for backward rotation
- α balance piston against axial thrust
- Heavy-duty design



Wide Vi Selection

- Variable volume ratio (V_i) from 2.6 to 5.1 by manual adjustment for RG-200, RG-410, RG-620, RG-830
- Variable volume ratio (V_i) from 2.6 to 5.6 by manual adjustment for RG-1270
- Exactly match pressure ratio without over-or under-compression

Easy Oil Management

- Pressure-differential-driven lubrication and modulation
- Built-in internal oil lubrication to bearings, screw rotors and mechanical seal

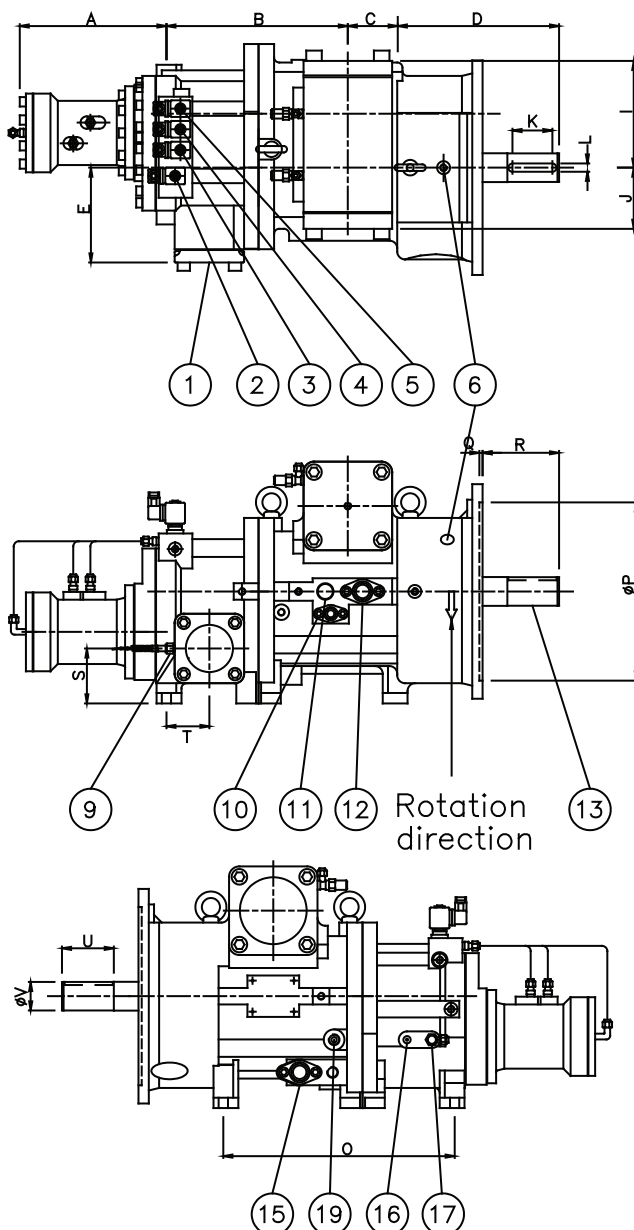
Major features

- Flanged-on motor mounting available
- Multiple spring type mechanical seal which ensures even loading of seal surface
- Oil or liquid injection to chamber for additional cooling
- Discharge temperature thermistor for compressor protection
- Capacity indicator as option
- Low noise level and minimum vibration
- Fewer moving parts and easy for maintenance and overhaul
- Compact size and easy for layout

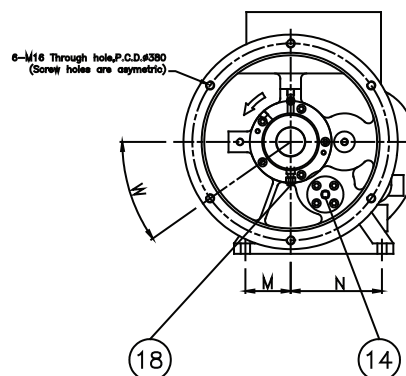
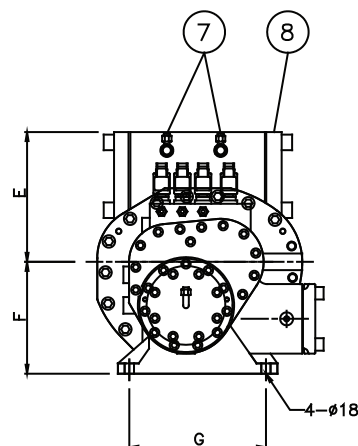
Technical Data RG Series

Model		RG-200	RG-410	RG-620	RG-830	RG-1270
Displacement at 50Hz	m ³ /hr	190	402	619	816	1268
Number of lobes per rotor MR/FR	-	5/6	5/6	5/6	5/6	5/6
Speed, max	rpm	4500	4500	4500	4500	3600
Speed, min	rpm	1500	1500	1500	1500	1500
Range of capacity control	-	25~100%	25~100%	25~100%	25~100%	20~100%
Range of Vi-adjustment	-	2.6~5.1	2.6~5.1	2.6~5.1	2.6~5.1	2.6~5.6
Sound pressure level	dB(A)	86	88	88	90	90

RG-200~830 Outline



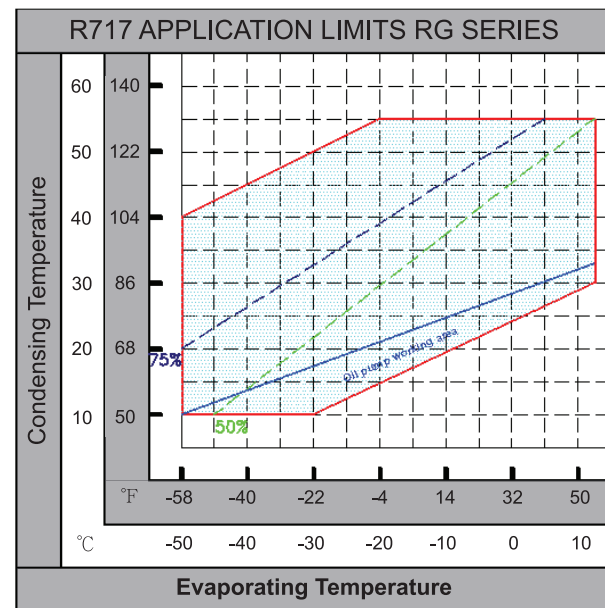
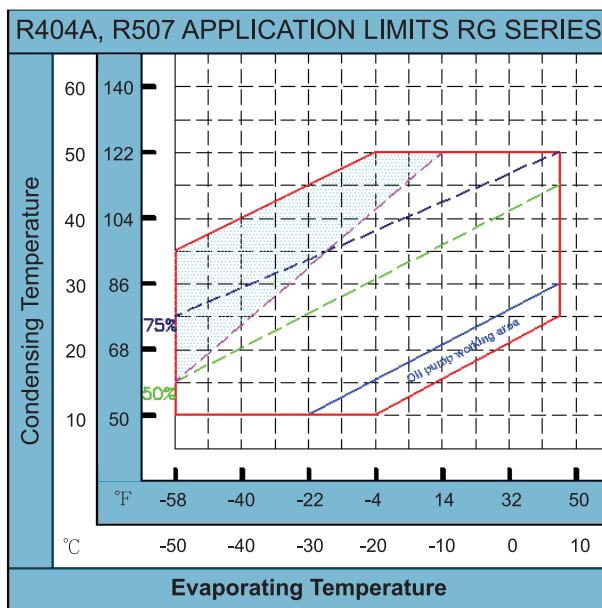
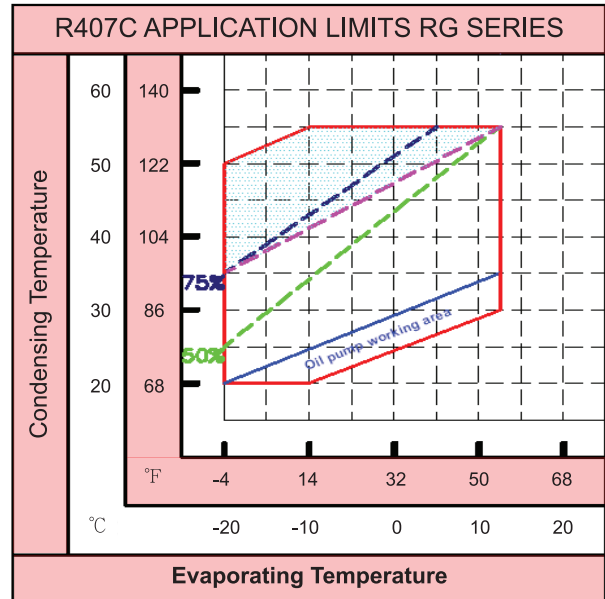
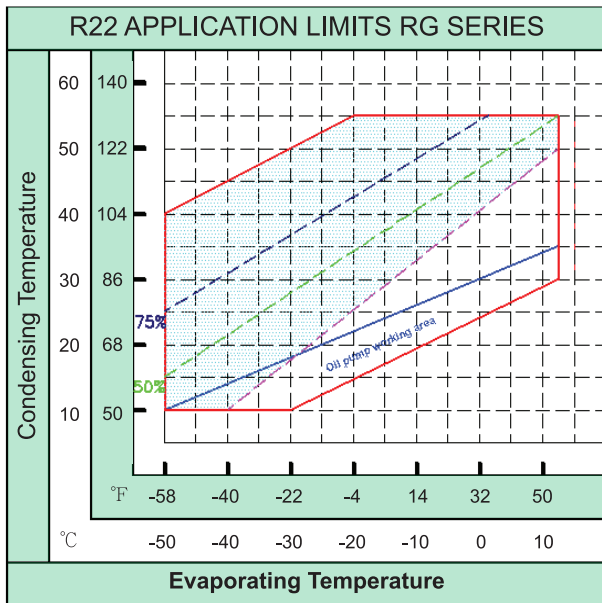
No.	Name	Note	No.	Name	Note
1	Discharge flange		11	Oil sight glass	
2	Solenoid valve	Stepless,NC	12	Oil inlet	1 1/8"ODF
3	Solenoid valve	25%,NC	13	Compressor Shaft	Ø55, m5
4	Solenoid valve	50%,NC	14	Vi adjustment	2.6~5.1
5	Solenoid valve	75%,NC	15	Economizer port	1 1/8"ODF
6	Plug		16	Plug	
7	Angle valve(Low side)	1/4"F	17	Angle valve(High side)	1/4"F
8	Suction flange		18	Oil drain	
9	Discharge temp. sensor	PTC	19	Capacity indicator plug	1/2"NPT
10	Compression chamber liquid/oil injection port	5/8"ODF			



	A	B	C	D	E	F	G	H	I	J	K	L
RG-200	217.5	282	89	272.8	223	199	264	170.5	154	76	50	12
RG-410	283.5	350.5	96.5	311.7	250.5	216	264	183	206	118	77	16
RG-620	316	385	153	292	318	250	350	211	231.5	121.5	77	16
RG-830	316	438	158	321.4	318	250	350	213	233.5	119.5	77	16

	M	N	O	P	Q	R	S	T	U	V	W	
RG-200	93	171	371	Ø294	6.4	146.8	101	79	100	Ø45	40	
RG-410	87.5	176.5	447	Ø344	6.4	147.7	106	83	100	Ø45	35	
RG-620	118	121	537	Ø380	6.4	150	116	103	100	Ø60	35	
RG-830	118	232	596	Ø380	6.4	150.4	123.5	104	100	Ø60	35	

Application Limits



SHANGHAI HANBELL PRECISE MACHINERY CO., LTD

No.8289, Tingfeng RD, Fengjing Area, JinShan District, Shanghai
 TEL:+86-21-57350280 FAX:+86-21-57352004
<http://www.shahanbell.com.cn>
 E-mail:sales@shahanbell.com

CONG TY THNN MAY CHINH XAC HANBELL VIET NAM

Lo 28-30-32 Duong So 11, Khu Cong Nghiep Tan Duc, Xa Huu Thanh, Huyen Duc Hoa Tinh Long An.
 TEL: (072) 3769688 FAX: (072) 3769690

HANBELL PRECISE MACHINERY CO., LTD.

NO.5 Kongsan Road, Kuan-Yin Industrial Park, Kuan-Yin Shiang, Tao-Yuan Hsien, Taiwan, R.O.C.
 TEL:+886-3-4836215
 FAX:+886-3-4836223
<http://www.hanbell.com>
 E-mail:sales@hanbell.com

HANBELL EUROPE

Via dei Campazzi 25 / 27, 21040 Gerezano (VA), Italia
 TEL:+39-02-962-80188
 FAX:+39-02-962-48011
<http://www.comer-srl.com>
 E-mail:vincentyen@hanbell.com
 E-mail:michellletseng@hanbell.com



HBCE-RG-12-B(1000)