

**MEDIUM/HIGH BACK PRESSURE COMPRESSORS**

Compressors models 压缩机型号	Nominal power(H.P.) 名义马力(匹)			REFRIGERATION CAPACITY AT 50Hz rated @ 54.5°C/130°F Cond. Temp 50Hz 电源 54.5°C/130°F 冷凝温度下制冷量 Watts Evaporating Temperature 蒸发温度											
	气缸排气量	Displacement(cm³/r)		R22	Refrigerant 制冷剂	Oil charge(cm³) 加油量	Power source 电源	-25°C -13°F	-15°C +5°F	-10°C -14°F	0°C +32°F	+7.2°C +45°F	+15°C +59°F		
		重量	Weight(kg)												
			制											Refrigerant	
														Oil charge(cm³)	
QR-44	2	44	31	R22	1500	220V/3 φ /60Hz	1320*	1960	2480	4300	5770	7830			
QR3-52	2-1/2	52	31			380V/3 φ /50Hz	1610*	2370	3180	5300	7050	9200			
QR3-58	3	58.2	33			460V/3 φ /60Hz	1820*	2720	3680	5950	7900	10300			
QR3-62	3	62.7	33			380V/3 φ /60Hz	1950*	2890	3830	6300	8500	11450			
QR3-74	3-1/2	74.2	33				2038*	3000	4300	7330	9860	12900			
QR44	2	44	33		1500	220-240V/1 φ /50Hz	1320*	1960	2480	4300	5770	7830			
QR52	2-1/2	52	33			208-230V/1 φ /60Hz	1610*	2370	3180	5300	7050	9200			
QR58	3	58.2	35				1820*	2720	3680	5950	7900	10300			
QR62	3	62.7	35				1950*	2890	3830	6300	8500	11450			
QR3-90	4	90.2	46		2000	220V/3 φ /60Hz	1330*	3100	4370	7840	11250	16000			
QR3-100	4-1/2	100.7	46			380V/3 φ /50Hz	1530*	3880	5310	9100	12930	18400			
QR3-112	5	112.5	46			460V/3 φ /60Hz	2060*	4470	6130	10600	14900	20660			
QR3-124	6	124.4	48	380V/3 φ /60Hz		2500*	5160	6970	11860	16640	23360				
QR3-134	7	134.8	48			2800*	5630	7500	12630	17800	25200				

1.蒸发温度范围 -25~15°C

Evaporating Temp. Range

冷凝温度范围 ≅ 65°C

Condensing Temp. Range

2.压缩机保护装置采用内置式保护器和安全阀

Compressor Internal Protectors: Internal Motor Protector and pressure Relife Valve

3.60Hz 时制冷量等于 50Hz 时制冷量的 1.2 倍

To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

\*冷凝温度: 45°C

Condensing Temp:45°C

名义工况条件 Rating Conditions °C

蒸发温度 Evaporating Temp.	冷凝温度 Condensing Temp.	吸气温度 Return Gas Temp	过冷温度 Liquid Temp	环境温度 Ambient Temp
7.2	54.4	18.3	46.1	35

## MEDIUM/HIGH BACK PRESSURE COMPRESSORS

Compressors models 压缩机型号	Nominal power(H.P.)				REFRIGERATION CAPACITY AT 50Hz rated																															
	名义马力 (匹)	Displacement(cm <sup>3</sup> /r)			重量	制冷剂	加油量	Power source 电源	@ 54.5°C/130°F Cond. Temp 50Hz 电源 54.5°C/130°F 冷凝温度下制冷量																											
		气缸排气量	Weight(kg)						Watts																											
			制	Refrigerant					Evaporating Temperature 蒸发温度																											
				冷					Oil charge(cm <sup>3</sup> )					-25°C -13°F	-15°C +5°F	-10°C -14°F	0°C +32°F	+7.2°C +45°F	+15°C +59°F																	
QR-44	2	44	33	R404A	1500	220-240V/1 φ/50Hz 208-230V/1 φ/60Hz	1379*	1850	2580	4370	5977	8110																								
QR52	2-1/2	52	33										1500	220-240V/1 φ/50Hz 208-230V/1 φ/60Hz	1508*	2260	3240	5400	7146	9320																
QR58	3	58.2	34																		1500	220-240V/1 φ/50Hz 208-230V/1 φ/60Hz	1635*	2390	3310	5720	7967	10240								
QR62	3	62.7	34																										R404A	1500	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	1379*	1850	2580	4370	5977
QR3-44	2	44	31	1500	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	1508*	2260	3240	5400	7146	9320																									
QR3-52	2-1/2	52	31									1500	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	1635*	2390	3310	5720	7967	10240																	
QR3-58	3	58.2	33																	1500	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	1998*	2970	3960	6420	8613	11540									
QR3-62	3	62.7	33																									R404A								
QR3-74	3-1/2	74.2	33	2000	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	1438*	2806	4296	7956	11300	15719																									
QR3-90	4	90.2	46									2000	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	2774*	3461	4922	8958	12800	17880																	
QR3-100	4-1/2	100.7	46	2000	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	3965*	4360	5890	10450	14780	20230																									
QR3-112	5	112.5	46																	2000	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	5146*	5320	7080	11970	16650	22760									
QR3-124	6	124.4	48																									2000	220V/3 φ/60Hz 380V/3 φ/50Hz 460V/3 φ/60Hz 380V/3 φ/60Hz	5453*	5780	7710	13120	18230	24806	
QR3-134	7	134.8	48																																	

1. 蒸发温度范围                    -25 ~ 15°C

Evaporating Temp. Range

冷凝温度范围                    ≅ 65°C

Condensing Temp. Range

2. 压缩机保护装置采用内置式保护器和安全阀

Compressor Internal Protectors: Internal Motor Protector and pressure Relife Valve

3. 60Hz 时制冷量等于 50Hz 时制冷量的 1.2 倍

To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

\*冷凝温度: 45°C

Condensing Temp: 45°C

## MEDIUM/HIGH BACK PRESSURE COMPRESSORS

Compressors models 压缩机型号	Nominal power(H.P.)				REFRIGERATION CAPACITY AT 50Hz rated @ 54.5°C/130°F Cond. Temp 50Hz 电源 54.5°C/130°F 冷凝温度下制冷量 Watts  Evaporating Temperature 蒸发温度													
	名义马力 (匹)	Displacement(cm <sup>3</sup> /r)			重量	Refrigerant		加油量	Power source 电源	-25°C -13°F	-15°C +5°F	-10°C -14°F	0°C +32°F	+7.2°C +45°F	+15°C +59°F			
		气缸排气量	Weight(kg)			制冷剂												
			油	Oil charge(cm <sup>3</sup> )														
				R22			1200											
QR31	1-1/2	30.5	24.1	R22	1200	220-240V/1 φ /50Hz 208-230V/1 φ /60Hz	860*	1280	1600	2660	3690	4980						
QR35	2	35.0	24.5										1100*	1550	1950	3250	4520	6120
QR41	2	41.4	25.4															
QR49	2-1/2	49.1	26.8										1462*	2150	2860	4700	6380	8520
QR57	3	56.6	28.1			1670*	2560	3310	5610	7610	10150							
QR3-31	1-1/2	30.5	24.1									380V/3 φ /50Hz 460V/3 φ /60Hz	860*	1280	1600	2660	3690	4980
QR3-35	2	35.0	24.5			1100*	1550	1950	3250	4520	6120							
QR3-41	2	41.4	25.4															
QR3-49	2-1/2	49.1	26.8			1462*	2150	2860	4700	6380	8520							
QR3-57	3	56.6	28.1															

1. 蒸发温度范围                    -25~15°C

Evaporating Temp. Range

冷凝温度范围                    ≅ 76°C

Condensing Temp. Range

2. 压缩机保护装置采用内置式保护器和安全阀

Compressor Internal Protectors: Internal Motor Protector and pressure Relife Valve

3. 60Hz 时制冷量等于 50Hz 时制冷量的 1.2 倍

To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

\*冷凝温度: 45°C

Condensing Temp: 45°C

R22 MEDIUM/HIGH BACK PRESSURE 50Hz 中高回压								
型号 MODEL	QR44H	QR58H	QR3-58H	QR3-74H	QR3-90H	QR3-112H	QR3-124H	QR3-134H
功率 HORSE POWER	2HP	3HP	3HP	3.5HP	4HP	5HP	6HP	7HP
制冷量 NOMINAL CAPACITY	3200	5000	5000	6000	7000	8000	8800	9200
排量 DISPLACEMENT	44	58.2		74	90.2	112.5	124.4	134.8
外型 OUTLINE SIZE	980×400×790	1060×465×990			1060×465×1400			
毛重 (kg) GROSS WEIHGT	82	92	92	93	93	125	127	130
净重 (kg) NET WEIGHT	80	86	86	87	87	118	120	123
接口管径 PIPE (mm)	IN φ 16OUT φ 10					IN φ 19OUT φ 12		
风机尺寸 FAN SIZE(mm)	1Ad.400mm	4Ad.450mm			2Ad.450mm			
电源 POWER SUPPLY	220-240V~50Hz		380V/3 φ ~50Hz					
制冷剂 REFRIGERANT	R22							
冷冻油 OIL	SUNISO3GS				SUNISO4GS			
噪声 1 米处 NOISE(dB)(at 1m)	56	57	57	57	58	62	63	64
制冷剂充注 REFERIGERANT CHARGE(kg)	2-2.5	2.5-3.5	2.5-3.5	2.5-3.5	3-4	5.5-6.5	6-7	6.5-7.5
制冷体积 REFRIGERANT COOL VALUME	25	40	40	45	50	70	80	90
REFERENCE EVAPORATING (m <sup>2</sup> )	20-25	25-30	25-30	35	25-35	30-45	40-48	40-55

RATED CONDITION(°C)			
EVAPORATING TEMP.	CONDENSING TEMP.	LIQUID TEMP.	AMBIENT TEMP.
-6.7	48.9	40.6	43

NOTE: when it turn in 60Hz,the date of cooling capacity and reference cool volume and evaporator dimension are 1.2 times  
注: 在 60Hz 时, 制冷量和制冷体积及蒸发器面积是 50Hz 时的 1.2 倍

R2404A MEDIUM/HIGH BACK PRESSURE 50Hz 中高回压								
型号 MODEL	QR44H	QR58H	QR3-58H	QR3-74H	QR3-90H	QR3-112H	QR3-124H	QR3-134H
功率 HORSE POWER	2HP	3HP	3HP	3.5HP	4HP	5HP	6HP	7HP
制冷量 NOMINAL CAPACITY	3200	5000	5000	6000	7000	8000	8800	9200
排量 DISPLACEMENT	44	58.2		74	90.2	112.5	124.4	134.8
外型 OUTLINE SIZE	980×400×790	1060×465×990			1060×465×1400			
毛重 (kg) GROSS WEIHGT	82	92	92	93	93	125	127	130
净重 (kg) NET WEIGHT	80	86	86	87	87	118	120	123
接口管径 PIPE (mm)	IN φ 16OUT φ 10					IN φ 19OUT φ 12		
风机尺寸 FAN SIZE(mm)	1Ad.400mm	4Ad.450mm			2Ad.450mm			
电源 POWER SUPPLY	220-240V~50Hz		380V/3 φ ~50Hz					
制冷剂 REFRIGERANT	R404A							
冷冻油 OIL	RL-32H							
噪声 1 米处 NOISE(dB)(at 1m)	56	57	57	57	58	62	63	64
制冷剂充注 REFERIGERANT CHARGE(kg)	2-2.5	2.5-3.5	2.5-3.5	2.5-3.5	3-4	5.5-6.5	6-7	6.5-7.5
制冷体积 REFRIGERANT COOL VALUME	25	40	40	45	50	70	80	90
REFERENCE EVAPORATING (m <sup>2</sup> )	20-25	25-30	25-30	35	25-35	30-45	40-48	40-55

RATED CONDITION(°C)			
EVAPORATING TEMP.	CONDENSING TEMP.	LIQUID TEMP.	AMBIENT TEMP.
-6.7	48.9	40.6	43

NOTE: when it turn in 60Hz,the date of cooling capacity and reference cool volume and evaporator dimension are 1.2 times

注: 在 60Hz 时, 制冷量和制冷体积及蒸发器面积是 50Hz 时的 1.2 倍