

R290 HORIZONTAL CONDENSING UNIT



Reliable, Energy-Efficient Cooling with Horizontal Condensing Units.

A condensing unit is essential to the refrigeration cycle - removing heat to maintain stable and safe temperatures. Whether you're cooling a single walk-in freezer or managing a full network of display cases and storage systems, RIGID Refrigeration delivers dependable solutions.

RIGID built-in horizontal condensing units feature inverter technology for precise temperature control and reduced energy use, and operate with natural R290 refrigerant, making them both eco-friendly and cost-effective.

With RIGID, you benefit from flexible configurations, energy-saving innovations, and a reputation for reliability and performance trusted across the industry.

DESIGNED FOR HIGH PERFORMANCE IN DEMANDING COMMERCIAL ENVIRONMENTS:

- Supermarkets
- Cold storage warehouse
- Food processing facilities
- Walk-in cooler and freezer
- Restaurants and commercial kitchen



Condensing Unit

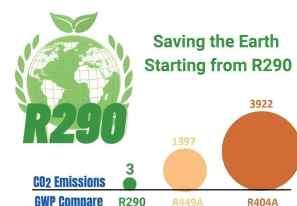
Non-Inverter R290 Condensing Unit

Model	Power supply	Horsepower
RG-HSR7.5EL	220~240V/50Hz	0.75 HP
RG-HSR10EL	220~240V/50Hz	1 HP
RG-HSR15EL	220~240V/50Hz	1.5 HP
RG-HSR20EL	220~240V/50Hz	2 HP

Inverter R290 Condensing Unit

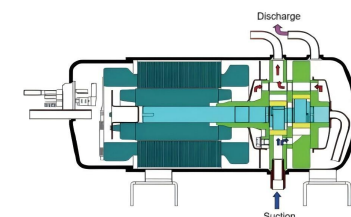
Model	Power supply	Horsepower
RG-BHSR10EL	220V	1 HP
RG-BHSR20EL	220V	2 HP
RG-BHSR30EL	220V	3 HP

>PRODUCT FEATURES



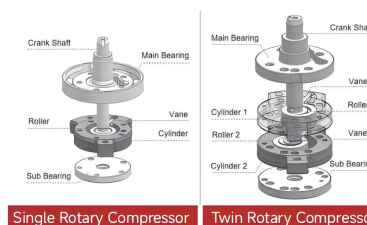
01

Adopts Natural R290 refrigerant - Delivers maximum environmental benefits as a climate-friendly, sustainable solution.



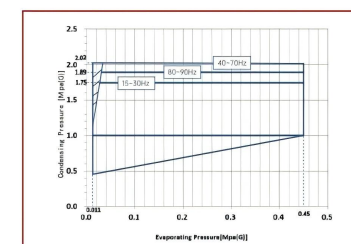
02

Sanyo Rotary Compressors - Renowned for their exceptional reliability, backed by a long-standing performance record in the Japanese market.



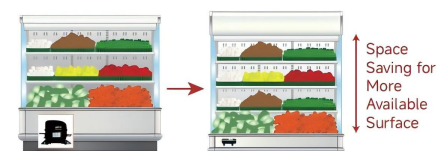
03

Dual-rotor Balanced Design - Reduces vibration typically generated by rotating components, ensuring smoother and quieter operation.



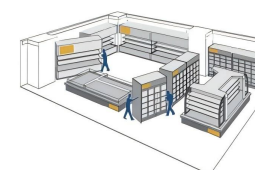
04

Versatile Compressor - Optimized for both medium & low temperature refrigeration, with outstanding performance in LBP applications.



05

Compact & Low-profile Design - Maximizes display space by allowing for a larger merchandising area per case.



06

Self-contained Mobility - Enables easy relocation of cabinets within supermarkets, eliminating the need for centralized compressor racks and freeing up valuable food space.

HORIZONTAL CONDENSING UNIT

R448A R449A R404A

MEDIUM-LOW TEMPERATURE
SINGLE PHASE 220V-240V/50HZ



Model		RG-HSN75EL	RG-HSN10EL	RG-HSN15EL	RG-HSN20EL	RG-HSN25EL	RG-HSN30EL
Nominal input (W)		780	850	1250	1550	1700	2300
Power supply		Single phase 220V-240V/50Hz					
Refrigerant max.(KG)		R404A(1.2)	R404A(1.2)	R404A(1.4)	R404A(3.0)	R404A(3.0)	R404A(3.0)
Start-up current (A)		25	27	37	50	53	60
Max. running current (A)		4.3	5.2	6.5	8.6	9.7	12.7
Evap. temp. range (°C)		-40~-5°C					
Ambient temp. (°C)		-7~43°C					
Condenser	Style	Row*Loop	4 Row 4.5 Loop	4 Row 4.5 Loop	5 Row 4.5 Loop	5 Row 4.5 Loop	6 Row 4.5 Loop
	Length		540mm	540mm	630mm	900mm	995mm
	Output power*QTY		16W*2	16W*2	16W*2	16W*3	16W*3
	Diameter (mm)*QTY		Φ230*2	Φ230*2	Φ230*2	Φ230*3	Φ230*3
	Air flow (m³/hr)		820*2	820*2	820*2	820*3	820*3
Pipe dimension	Gas inlet OD		Φ12.7(1/2")				
	Liquid outlet OD		Φ9.52(3/8")				
	Length (mm)		680	680	790	1050	1150
	Width (mm)		485	485	485	540	540
	Height (mm)		261	261	261	263	263
Installation dimension (L*W)		660*465	660*465	770*465	1030*520	1125*520	1190*550
Refrigeration capacity	Evap. temp.(°C)		Refrigeration capacity: W Ambient temp.:32°C				
	-40		505	635	840	1260	1405
	-35		655	825	1090	1580	1760
	-30		810	955	1190	1890	2110
	-25		975	1210	1545	2310	2575
	-20		1190	1440	1865	2730	3040
	-15		1430	1710	2100	3095	3450
Wiring capacity	-10		1795	2070	2426	3680	4100
	-5		2135	2370	2790	4100	4570
	Leakage protector	Rated current (A)	10	10	15	25	30
		Leak current (mA)	30	30	30	30	30
	Diameter (mm²)	In10m	2.0	2.0	2.0	4.0	4.0
		In 20m	2.0	2.0	3.5	6.0	6.0
		In 30m	3.5	3.5	3.5	6.0	8.0

Note: Single phase 220V/60HZ horizontal condensing units are available.

INVERTER CONDENSING UNIT

R448A R449A R404A

MEDIUM-LOW TEMPERATURE
SINGLE PHASE 220V



Model		RG-BHSN15EL			RG-BHSN20EL			RG-BHSN25EL		
Power supply		Single phase 220V								
Evap. temp. range (°C)		-45~0°C								
Ambient temp. (°C)		-7~43°C								
Refrigerant max. (KG)		R404A(3.0)								
Compressor		C-6RHSV63LOB			C-7RHSV113LOB			C-7RHSV153LOB		
Max working current(A)		7			9.7			13.5		
Condenser	Spec(Low*Loop*Length)	5*4.5*630			5*4.5*900			6*4.5*1060		
	Fan motor output power (W) *QTY (PCS)	16*2			16*3			16*3		
	Fan diameter (mm)	∠ 34° ϕ 230								
	Air volume (m³/hr)	820*2			820*3			820*3		
Pipe (mm)	Suction inlet OD	Φ12.7(1/2")								
	Liquid outlet OD	Φ9.52(3/8")								
Out dimension	Length (mm)	790			1050			1210		
	Width (mm)	540			540			570		
	Height (mm)	263			263			263		
Refrigeration capacity	Evap. temp.(°C)	Refrigeration capacity: W Ambient temp.:32°C								
		40HZ	60HZ	80HZ	40HZ	60HZ	80HZ	40HZ	60HZ	80HZ
	-40	420	660	920	690	1040	1385	835	1250	1670
	-35	520	820	1150	875	1310	1750	1070	1605	2140
	-30	640	1050	1420	1040	1560	2080	1357	2040	2715
	-25	700	1100	1550	1275	1912	2550	1710	2565	3420
	-20	800	1280	1780	1500	2250	3000	2035	3050	4070
	-15	980	1560	2150	1700	2550	3400	2340	3510	4680
	-10	1265	2025	2850	2025	3040	4050	2850	4275	5700
	-5	1358	2164	3015	2430	3645	4860	3340	5010	6680