EN

Central Chiller 30RC Series

Air-Cooled Central Chiller

Benefits:

- **Refrigerant:** EPA approved low GWP R-454B refrigerant.
- **Scroll Compressors:** Hermetically sealed scroll compressors with proven performance in industrial cooling for reliable, low maintenance, and efficient operation.
- **Color Touch Screen Display:** Microprocessor control system for optimal performance and diagnostics.
- **Stainless Steel Evaporator:** High efficiency stainless steel plates with copper brazing provide maximum performance, long life, and an enhanced level of protection from harsh process conditions.
- **Durable Construction:** Corrosion resistant materials designed for outdoor installation.
- **Quiet Operation:** Low sound levels for installation in areas requiring low noise levels.
- **Wide Ambient Operating Range:** Delivers reliable cooling performance in both extreme hot and cold weather from approximately -20° to 125°F (-29° to 52°C).
- **Modular Design:** Allows for easy expansion by adding additional units as cooling needs grow, without requiring a complete system overhaul.
- **Warranty:** 1 year parts.

30RC Series Air-Cooled Central Chillers come in an all-in-one package and are easy to install, operate and maintain. Available in a capacity range from 130 to 260 tons (457 to 914 kW), using EPA approved low GWP R-454B refrigerant. The 30RC Series features robust scroll compressors, durable construction designed for outdoor installations, and a microprocessor control system for precise operation and diagnostics. Its modular design allows for flexible installation and scalability, while its low sound levels make it ideal for noise-sensitive environments. The chiller's efficient performance and ease of maintenance make it a popular choice for various cooling needs.

THERMAL CARE
PiovanGroup

847.966.2260 \ sales@thermalcare.com \ www.thermalcare.com

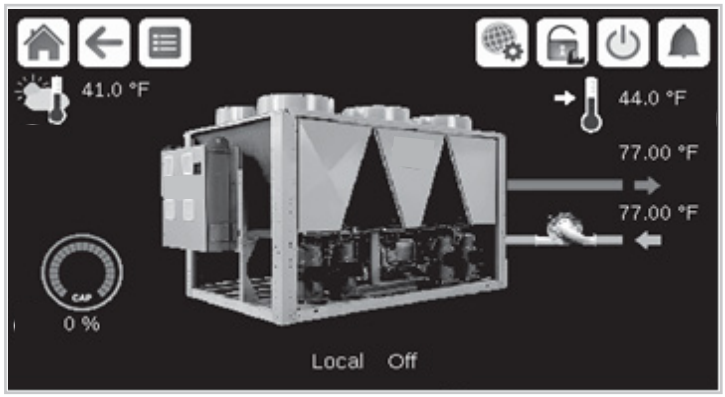
Additional Benefits:

- **Small Footprint:** Compact unit design for applications with restricted space requirements.
- **Energy Efficiency:** Designed to meet or exceed industry efficiency standards.
- **Ease of Maintenance:** Accessible components for simplified service.

Available Options:

- **Non-fused disconnect**
- **Variable speed drive (VSD)**
- **High efficiency coils**

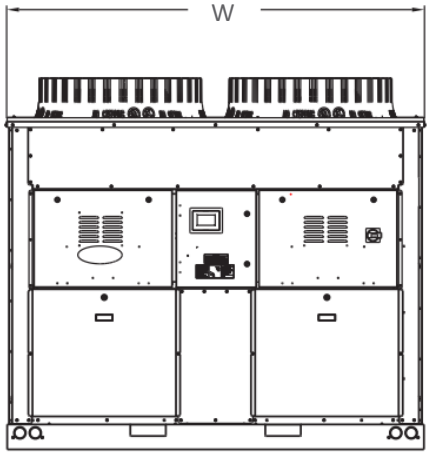
30RC Series Touch Screen

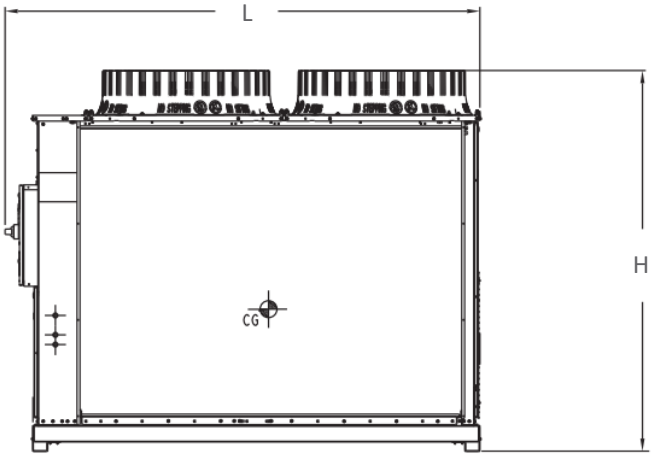


TECHNICAL DATA

Model[1]	Cooling Capacity Tons (kW)[2]	Process In & Out Size (Inch)	Compressor Qty	Min Unloaded Capacity	Dimensions L x W x H inch (mm)	Shipping Weight lbs (kg)
30RC-132C	133 (468)	5	6	15%	152 x 88 x 99 (3,861 x 2,235 x 2,515)	5,562 (2,523)
30RC-132	136 (478)	5	6	15%	199 x 88 x 99 (5,055 x 2,235 x 2,515)	6,331 (2,872)
30RC-152C	154 (542)	5	5	17%	152 x 88 x 99 (3,861 x 2,235 x 2,515)	5,662 (2,568)
30RC-152	156 (549)	5	5	17%	199 x 88 x 99 (5,055 x 2,235 x 2,515)	6,435 (2,919)
30RC-162C	163 (573)	5	4	25%	199 x 88 x 99 (5,055 x 2,235 x 2,515)	6,486 (2,942)
30RC-162	166 (584)	5	4	25%	247 x 88 x 99 (6,274 x 2,235 x 2,515)	7,300 (3,311)
30RC-182C	183 (644)	5	5	20%	247 x 88 x 99 (6,274 x 2,235 x 2,515)	7,804 (3,540)
30RC-182	187 (657)	5	5	20%	294 x 88 x 99 (7,468 x 2,235 x 2,515)	8,545 (3,876)
30RC-202C	203 (714)	5	5	20%	247 x 88 x 99 (6,274 x 2,235 x 2,515)	7,945 (3,604)
30RC-202	207 (728)	5	5	20%	294 x 88 x 99 (7,468 x 2,235 x 2,515)	8,686 (3,940)
30RC-232C	233 (819)	5	6	17%	294 x 88 x 99 (7,468 x 2,235 x 2,515)	9,101 (4,128)
30RC-232	238 (837)	5	6	17%	341 x 88 x 99 (8,661 x 2,235 x 2,515)	9,890 (4,486)
30RC-252C	253 (890)	5	6	17%	294 x 88 x 99 (7,468 x 2,235 x 2,515)	9,101 (4,128)
30RC-252	258 (907)	5	6	17%	341 x 88 x 99 (8,661 x 2,235 x 2,515)	9,890 (4,486)

[1]All chillers have one process fluid circuit and two refrigeration circuits.
[2]Tons based upon 50°F (10°C) leaving water, 95°F (35°C) ambient air entering the condenser, R-454B refrigerant, operating at sea level.





ELECTRICAL DATA

Model	Rated Voltage[1] FLA @ 208/3/60		Rated Voltage[1] FLA @ 230/3/60		Rated Voltage[1] FLA @ 460/3/60		Rated Voltage[1] FLA @ 575/3/60	
	MCA[2]	MOP[3]	MCA[2]	MOP[3]	MCA[2]	MOP[3]	MCA[2]	MOP[3]
30RC-132C	524.4	600	524.4	600	238.6	250	190.5	200
30RC-132	536.4	600	536.4	600	243.8	250	194.7	200
30RC-152C	608.4	700	608.4	700	276.4	300	220.7	250
30RC-152	619.4	700	619.4	700	281.6	300	224.9	250
30RC-162C	630.4	700	630.4	700	318.2	350	255.5	300
30RC-162	641.4	700	641.4	700	323.4	350	259.7	300
30RC-182C	802.2	1,000	802.2	1,000	366.1	400	293.9	300
30RC-182	813.2	1,000	813.2	1,000	371.3	400	298.1	300
30RC-202C	778.4	800	778.4	800	392.4	450	314.9	350
30RC-202	789.4	800	789.4	800	397.6	450	319.1	350
30RC-232C	954.7	1,000	954.7	1,000	435.3	450	349.3	350
30RC-232	965.7	1,000	965.7	1,000	440.5	500	353.5	400
30RC-252C	926.4	1,000	926.4	1,000	466.6	500	374.3	400
30RC-252	937.4	1,000	937.4	1,000	471.8	500	378.5	400

[1]Allowable voltage is ± 10% from rated voltage.
[2]MCA is Minimum Circuit Amps, used for minimum wire size requirement.
[3]MOP is Maximum Overcurrent Protection, used for sizing main power protection device.

MANUFACTURED WITH PRIDE

Thermal Care is ISO 9001 Certified
Manufacturer reserves the right to change specification or design without notification or obligation.