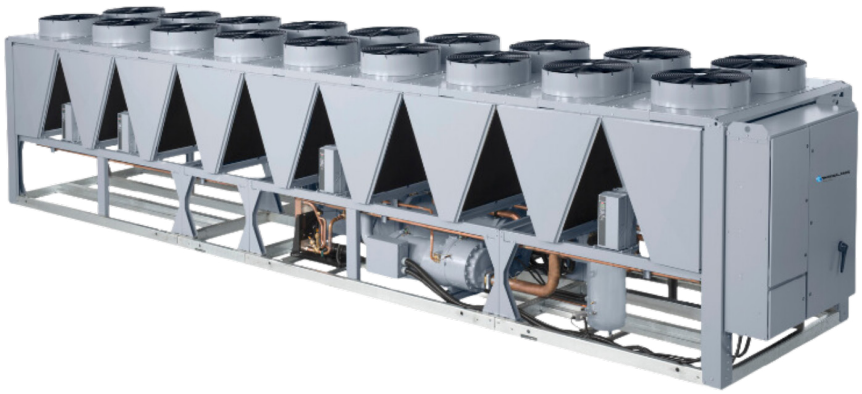
EN

Central Chiller 30XV Series

Air-Cooled Central Chiller

Benefits:

- **Refrigerant:** EPA approved low GWP R-513A refrigerant.
- **Rotary Screw Compressors:** Proven performance in industrial cooling for reliable, low maintenance, and efficient operation.
- **Variable Speed Drive:** Enhances energy efficiency by adjusting the compressor speed to match cooling demand.
- **Color Touch Screen Control Panel:** User-friendly interface with advanced diagnostics and controls.
- **Durable Construction:** Corrosion resistant materials designed for outdoor installation.
- **Quiet Operation:** Designed for low sound 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).
- **Integrated Energy Management:** Includes energy monitoring and optimization features.
- **High Efficiency:** Exceeds ASHRAE 90.1 efficiency standards.
- **Compact Design:** Space-saving design with easy installation and maintenance.
- **Integrated Pump Control:** For precise water flow management.
- **Warranty:** 1 year parts.



30XV Series Air-Cooled Central Chillers come in an all-in-one package aimed at maximizing efficiency, performance and ease of operation. Available in a capacity range from 140 to 500 tons (492 to 1,758 kW), using EPA approved low GWP R-513A refrigerant. One of its standout features is the variable speed drive (VSD) technology, which allows the compressor speed to adjust based on real time cooling demands, resulting in significant energy savings and enhanced comfort. The unit also incorporates a user-friendly touch-screen control panel that provides intuitive access to diagnostics and system settings, facilitating easier monitoring and management. Its compact design not only saves space but also offers flexibility for various installation environments, making it a versatile choice for a wide range of applications.

THERMAL CARE
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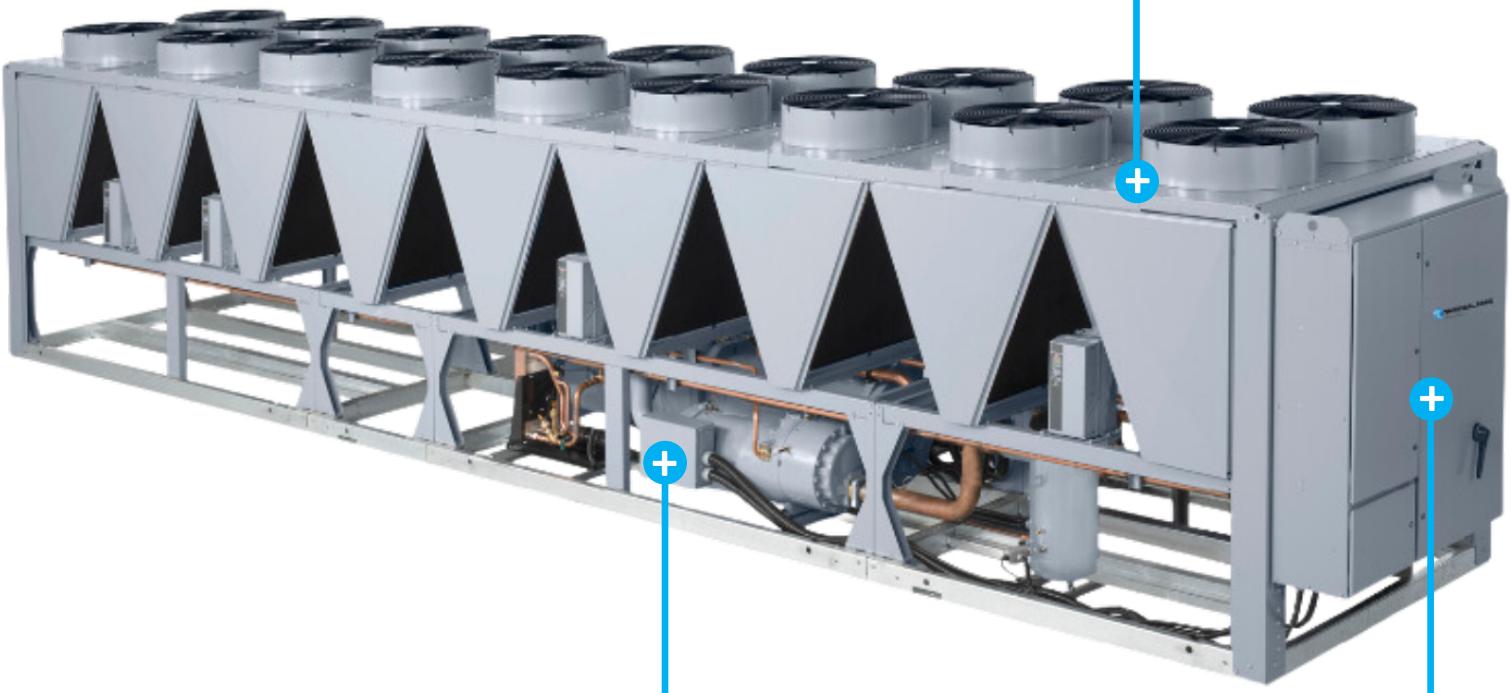
Benefits of the 30XV Series Industrial Chiller Features:

WIDE AMBIENT OPERATING RANGE

Designed for use in both extreme hot and cold weather, this industrial chiller has a wide range, from -20° to 125°F (-29° to 52°C).



INTELLIGENT ENERGY MANAGEMENT

Energy monitoring and optimization features are included in the advanced controls.

ROTARY SCREW COMPRESSORS

Provides reliable, low maintenance operation. Designed for VFD (variable frequency drive) control, these compressors achieve industry-leading efficiency as the compressor matches the changing load demands.

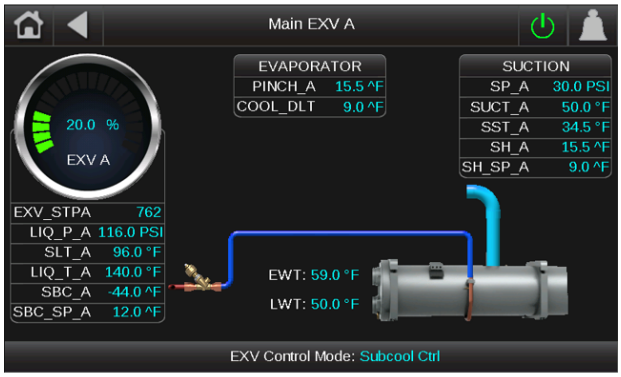
Additional Benefits:

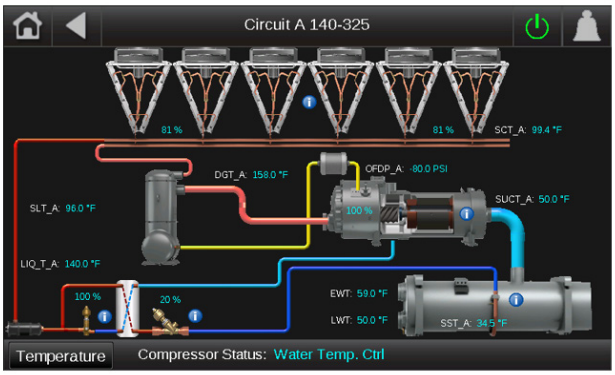
- **Ease of Maintanance:** Accessible components for simplified service.

Available Options:

- Non-fused disconnect
- Minimum load control
- Energy management modules minimize chiller energy consumption
- Coated condenser coil
- Security grilles and hail guards
- Low ambient operation

30XV Series Touch Screen

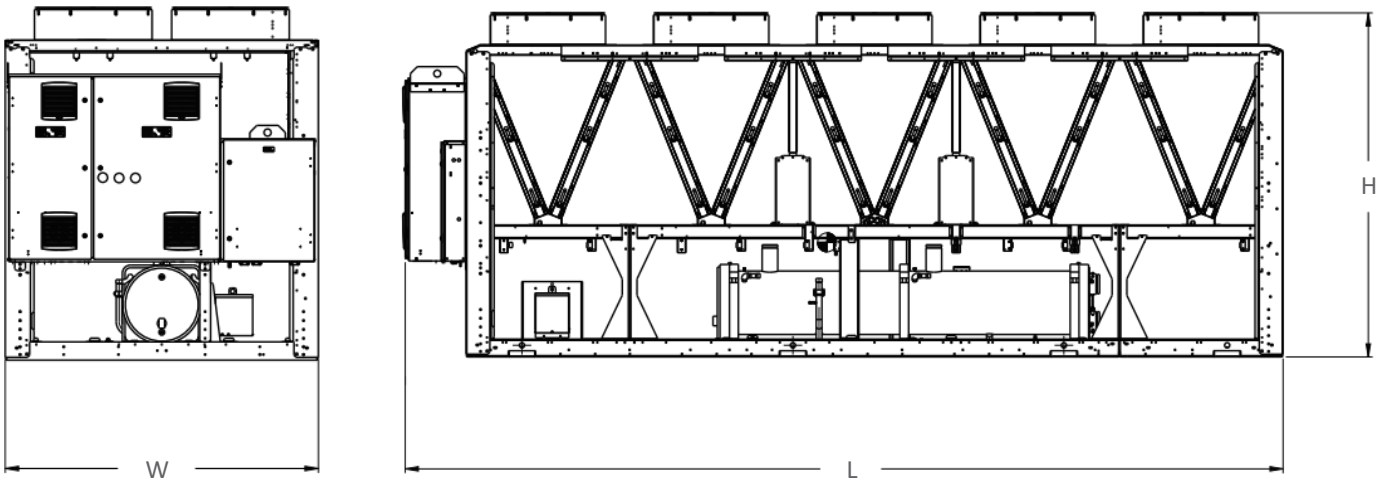




Technical Data

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)
30XV-140	144 (506)	6	2	15%	208 x 88 x 99 (5,283 x 2,235 x 2,515)	10,937 (4,961)
30XV-160	164 (577)	6	2	15%	208 x 88 x 99 (5,283 x 2,235 x 2,515)	11,506 (5,219)
30XV-180	185 (651)	6	2	15%	208 x 88 x 99 (5,283 x 2,235 x 2,515)	11,686 (5,301)
30XV-200	205 (721)	6	2	15%	255 x 88 x 99 (6,477 x 2,235 x 2,515)	12,785 (5,799)
30XV-225	231 (812)	6	2	15%	252 x 88 x 99 (6,401 x 2,235 x 2,515)	13,627 (6,181)
30XV-250	256 (900)	6	2	15%	299 x 88 x 99 (7,595 x 2,235 x 2,515)	15,893 (7,209)
30XV-275	282 (992)	6	2	15%	299 x 88 x 99 (7,595 x 2,235 x 2,515)	16,263 (7,377)
30XV-300	308 (1,083)	6	2	15%	346 x 88 x 99 (8,788 x 2,235 x 2,515)	17,164 (7,786)
30XV-325	333 (1,171)	6	2	15%	393 x 88 x 99 (9,982 x 2,235 x 2,515)	18,237 (8,272)
30XV-350	359 (1,263)	8	2	15%	406 x 88 x 99 (10,312 x 2,235 x 2,515)	21,232 (9,631)
30XV-400	410 (1,442)	8	2	15%	453 x 88 x 99 (11,506 x 2,235 x 2,515)	24,463 (11,096)
30XV-450	461 (1,621)	8	2	15%	500 x 88 x 99 (12,700 x 2,235 x 2,515)	25,567 (11,597)
30XV-500	513 (1,804)	8	2	15%	547 x 88 x 99 (13,894 x 2,235 x 2,515)	27,241 (12,356)

[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-513A 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[1]	MOP[3]	MCA[1]	MOP[3]	MCA[1]	MOP[3]
30XV-140	578.7	800	578.7	800	261.6	350	210.6	250
30XV-160	679.9	800	679.9	800	306.6	400	246.6	300
30XV-180	781.2	1,000	781.2	1,000	353.1	450	282.6	350
30XV-200	810.1	1,000	810.1	1,000	366.3	500	294.2	400
30XV-225	N/A	N/A	N/A	N/A	426.9	600	342.4	500
30XV-250	N/A	N/A	N/A	N/A	478.9	600	383.7	500
30XV-275	N/A	N/A	N/A	N/A	514.6	700	413.0	500
30XV-300	N/A	N/A	N/A	N/A	528.3	700	424.5	500
30XV-325	N/A	N/A	N/A	N/A	579.3	800	465.3	600
30XV-350	N/A	N/A	N/A	N/A	685.8	1,000	550.0	800
30XV-400	N/A	N/A	N/A	N/A	737.5	1,000	592.0	800
30XV-450	N/A	N/A	N/A	N/A	853.7	1,200	684.6	800
30XV-500	N/A	N/A	N/A	N/A	937.8	1,200	749.4	1,000

[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.