



Air-Cooled Chillers

Cooling capacity	Model and description	
<p>15 – 35 TR 50 – 125 kW</p>	<p>YCAL – scroll compressor Refrigerant: R-410A Unique features: Brazed plate heat exchanger, BAS communications, service isolation valves, high ambient kit to -10°F (-23°C), equipped with Smart Connected technology – a cloud-based analytics and monitoring system. Available options: Remote evaporator option, hot gas bypass, factory-mounted hydronic pump kit, low ambient kit to 0°F (-18°C).</p>	
<p>40 – 230 TR 140 – 800 kW</p>	<p>YLAA – scroll compressor Refrigerant: R-410A Unique features: Brazed plate heat exchanger, microchannel condenser, BAS communications, high ambient kit to 125°F (52°C), equipped with Smart Connected technology – a cloud-based analytics and monitoring system. Available options: Heat recovery capability, remote evaporator option, hot gas bypass, factory-mounted VSD hydronic pump kit, low ambient kit to 10°F (-23°C), optional VSD fans.</p>	
<p>150 – 575 TR 525 – 2,020 kW</p>	<p>YVAA – VSD screw compressor Refrigerant: R-134a and R-513A Unique features: Variable speed drive, hybrid falling film evaporator, microchannel condenser, operation is from -10°F (-23°C) to 131°F (55°C) ambient, capacity turndown to 10 percent load, BAS communications, equipped with Smart Connected technology – a cloud-based analytics and monitoring system. Available options: Industry-leading IPLVs, sound reduction packages, condenser options including electrostatic coating and tube and fin type.</p>	
<p>150 – 450 TR 530 – 1,580 kW</p>	<p>YVFA Free-Cooling – VSD screw compressor Refrigerant: R-134a Unique features: Variable speed drive, high-efficiency air-to-liquid free-cooling coils, hybrid mode, optimized liquid circuit, BAS communications, operation from -20°F (-29°C) to 131°F (55°C). Available options: Quick start, sound reduction package, open loop, closed loop.</p>	
<p>150 – 450 TR 530 – 1,580 kW</p>	<p>YCIV – screw compressor Refrigerant: R-134a and R-513A Unique features: Variable speed drive, DX evaporator, tube and fine condenser, operation is from 0°F (-17°C) to 125°F (51°C) ambient, capacity turndown to 10 percent load, BAS communications. Available options: Remote evaporator, low temperature brine, sound reduction packages.</p>	

Air-Cooled Condensing Units

Cooling capacity	Model and description	
15 – 80 TR 50 – 280 kW	YCUL – scroll compressor Refrigerant: R-410A Unique features: BAS communications, service isolation valves, high ambient kit to 125°F (52°C), equipped with Smart Connected technology – a cloud-based analytics and monitoring system. Available options: Hot gas bypass, low ambient kit to 0°F (-18°C).	
80 – 160 TR 280 – 560 kW	YLUA – scroll compressor Refrigerant: R-410A Unique features: Conventional tube and fin coils, BAS communications, high ambient kit to 125°F (52°C), equipped with Smart Connected technology – a cloud-based analytics and monitoring system. Available options: Hot gas bypass, low ambient kit to 0°F (-18°C).	

Note:

Smart Connected Chillers is a cloud-based analytics and monitoring system. It is part of our Smart Equipment range, which signals the next generation of HVAC equipment technology. For more information on Smart Equipment, please visit <https://www.johnsoncontrols.com/hvac-equipment/smart-equipment>.



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