

## 50 Ton Air Cooled Screw Chiller

MODEL ARS050-411



All FENJI Air Cooled Chillers are available with heat reclaim or heat pump configurations. Our chillers are the toughest, most reliable and user friendly chillers in the world. Seasoned service technicians will quickly identify the simplicity and quality of FENJI water chillers. No laptop computer or specialized software required. Our extremely high quality FENJI chillers are designed by technicians - for technicians.

The standard refrigerant is environmentally friendly R407C or we can provide 134A as well as others. Each chiller is available with eco-friendly heat recovery exchangers which can provide 130 deg. F to 140 deg. F hot water free of charge. FENJI air cooled screw chillers are widely used in chemical plant processes, pharmaceutical manufacturing plants, Data Center Cooling, municipalities, hotels, supermarkets, hospitals and offices building to mention a few.

### FEATURES

- FENJI air cooled screw chillers come standard with the world's most reliable screw compressor from Hanbell. With an industry exclusive 5:6 ratio, the Hanbell is the quietest and most reliable screw compressor on the market. Step less capacity control ensures precise and constant temperature control leading to many years of trouble free dependable service. FENJI chillers come standard with industry leading shell and tube evaporators with inner-fin high efficiency copper tubes. Custom applications and alternative/specialty evaporators are available upon request.
- FENJI air cooled chillers utilize durable and high efficiency copper coils with mechanically bonded rippled aluminum fins. The performance of the condenser is further enhanced with the low noise performance of metal, multi-blade high volume-fans, powered by the indestructible design of low speed, external rotor motors. Low ambient options are available on all FENJI air cooled chillers.
- Extremely reliable performance and user friendly control is tantamount at FENJI. We strive to provide the best user experience with an easy to operate, state of art touch-screen microprocessor control system with comprehensive diagnostics and precision proportional temperature control capabilities. Troubleshooting is simple and fast. No laptop computer or specialized software required. Our chillers are designed by technicians, for technicians.

# FENJI PRODUCT SPECIFICATIONS

<b>Air Cooled Screw Chiller</b>	
Model	ARS050-411
Cooling Capacity (tons)	48.50 tons
Cooling Capacity (kw)	170.6
Input Power (kw)	60.1
Capacity Control	Stepless 0% - 100%
Power Supply	460v-3ph-60hz
Protection Devices	Phase/Voltage Protection - High Discharge Gas Thermostat - High & Low Pressure Cutouts - Flow Switch, Freeze Protection
Compressor Type	Hanbell Hermetic Rotary Screw
Evaporator Type	Shell & Tube
Condenser Type	High Efficiency Rippled Aluminum Fins/Copper Tubes
Refrigerant Type	R-407C
Chilled water flow	129.88
Number of Axial Fans	4
Number of Refrigerant Circuits	1
Evaporator Piping Connection Sizes In/Out	3"
Evaporator Water Pressure Drop	4.79 PSID
Sound	68 db(A)
Total Dry Weight	3814 Pounds
Total Operating Weight	4233 Pounds
Dimensions	L-88.58in. x W-82.68in. x H-86.61in.
Note: Rated cooling capacity based on:	Chilled water in 53.6 F out 44.6 F
	Dry Bulb 95 F Ambient 75.2 Wet Bulb
	Power input 460v-3ph-60hz
	120 volt 1ph control voltage
	Refrigerant R-407C