

15 – 20 Ton Chillers

8400 - 8456



UNITROL

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Distributed By:

AUTOMOTIVE GRADE CHILLERS

Designed to operate 24/7 under the most demanding industrial conditions. These chillers are for inside installation with ambient temperature between 40°F and 100°F. Outside and split versions are available on request.

	15 TON	20 TON
MODEL NUMBER(S)	8400 8401 8406	8450 8451 8456
MODULE DESIGN	Consists of one 10-ton module and one 5-ton module, with water pump in one module and water tank in the second. All interconnecting plumbing and control lines supplied	Consists of two 10-ton modules with water pump in one module and water tank in the second. All interconnecting plumbing and controls lines are supplied
NOMINAL CAPACITY	180,000 BTU/hr (15 tons) @ 90°F ambient	240,000 BTU/hr (20 tons) @ 90°F ambient
CONTROL	Staged digital temperature controller for maximum efficiency	
PUMP	3HP centrifugal, stainless steel with maximum output of 80gpm @35psi	5HP centrifugal, stainless steel with maximum output of 180gpm @35psi
WATER BYPASS	Internally set pressure bypass valve to allow for low gpm water usage	
EVAPORATOR	Two stainless steel brazed plates with expansion valves	
CONDENSER	<ul style="list-style-type: none"> ◆ Dual scroll compressors and fans ◆ Horizontal air intake and discharge 	
FILTERS	<ul style="list-style-type: none"> ◆ Washable air intake filter ◆ Water return inline filter with flush valve 	
TANK	30-gallon non-metallic	48 gallon non-metallic
WATER MAKEUP	Automatic, water float valve	
SAFETY SYSTEM	<ul style="list-style-type: none"> ◆ Low water flow switch with indicating light ◆ Low-pressure Freon switch with indicating light ◆ High-pressure Freon switch with indicating light ◆ Overload protection for compressor ◆ Overload protection for water pump 	
ANTI-FLOWBACK WATER SYSTEM	Solenoid valve and check valve prevent flooding when chiller is turned off	
SERVICE HOT ABILITY	Can be inspected and serviced while running with all panels removed	
INTERNAL PLUMBING	Brass and PVC to eliminate rust	
VOLTAGE	Model 8400: 480V, 3Ø, one module = 25A, one module = 14A, full load Model 8401: 230V, 3Ø, one module = 49A, one module 29A, full load Model 8406: 575V, 3Ø, one module = 21A, one module = 12A, full load	Model 8450: 480V, 3Ø, one module = 23A, one module = 20A, full load Model 8451: 230V, 3Ø, one module = 45A, one module = 40A, full load Model 8456: 575V, 3Ø, one module = 19A, one module = 16A, full load
SIZE	2 modules each 50" X 52" X 44" (L X W X H) field spaced 18" apart.	
SHIPPING WEIGHT	one module 1,325 lbs., one module 1,285 lbs.	one module 1,285 lbs., one module 1,235 lbs.

OPTIONS

8001-01	Manual Water Refill with sight glass and low tank water level safety switch
8001-03	Dew Point Protection control to prevent water condensation from damaging welder transformer
8001-12	Caster set, 5" diameter
8001-23	Split system with remote outside condensers, inside water system and controls
8001-42	Pump upsize for 8400-8406. Increases pump to 5HP
8001-42A	Pump upsize for 8450-8456. Increases pump to 7-1/2HP
8510	Stacking stand to place one module over the other. Reduces floor footprint to 50" X 60"
8001-61	High ambient kit for locations having ambient temperature from 100°F – 115°F

Specifications are subject to change without notice.