

# 500 TON WATER COOLED CHILLER

Energy Rental Solutions offers centrifugal water-cooled chillers that are simple to operate and very energy efficient. These chillers are the perfect solution for your comfort cooling application needs and provide temperatures down to 38F. Additionally, they can be used for large cooling augmentation and process cooling projects.



## PACKAGE FEATURES

- Star/Delta reduced voltage starters
- 6" 150# flanged inlet and outlet evaporator
- 6" 150# flanged inlet and outlet condenser
- Voltage and phase protection
- Vent and drain ports for chiller and condenser
- Four point overhead lifting capability
- Structural fork-lifting skid
- Chilled water and condenser water temperature and pressure indication (inlet and outlet)
- Single point 460V/3PH/60HZ Cam-lok power connections, accommodating 2) 4/0 runs per phase

## PACKAGE FEATURES

- York water cooled YK centrifugal chiller
- 500-ton performance @ ARI conditions
- R-134a refrigerant
- 460-volt, 3 phase, and 60 Hz
- One open-drive centrifugal compressor
- WP11 open drive compressor motor
- NEMA 4X electrical classification (entire unit)
- Simple to operate OptiView graphic control panel
- Hot gas bypass down to 10% load
- Evaporator DWP 300-psig (water side)
- Condenser DWP 150-psig (water side)

## PHYSICAL DATA

Length	276" (23')
Width	78" (6'-6")
Height	102" (8'-6")
Unit Weight	24,000 lbs

## ELECTICAL DATA

Certification	UL/ASME listed equipment and components
Single Point Power Supply	460V/3PH/60HZ
Connections	Parallel feed utilizing two sets of Cam-Lock per phase
Amperage Data	502 MCA (FLA 401)
Inrush Amps	1037
Breaker Size	800

## EVAPORATOR DATA

Water Press Drop (ft/hd)	16
Connections: 6" Flange	1in/1out
Max Water Side Pressure, PSIG	300
Designed Chilled Water Flow Rate, GPM	1200
Design EWT (°F)	54.00
Design LWT (°F)	44.00

## CONDENSER DATA

Water Press Drop (ft/hd)	17.4
Connections: 6" Flange	2in/2out
Max Water Side Pressure, PSIG	150
Designed Chilled Water Flow Rate, GPM	1500
Design EWT (°F)	85.00
Design LWT (°F)	94.24

**24-HOUR SERVICE**  
**877-291-3354**  
[www.ers-cat.com](http://www.ers-cat.com)

**Energy Rental  
Solutions**

