

# 40 TON AC/DEHUMIDIFIER W/ VFD



The outdoor rated Smart Family 40 ton is a powerful and versatile portable air conditioning system that has the ability to provide cooling, heating and dehumidification for construction, industrial & commercial applications.

The variable frequency drive provides precise fan speed control and can be adjusted based on load requirements. With 6.5" static pressure it is possible to condition hard to reach spaces. Additionally, this unit can operate on 100% outside air when return air duct runs are not feasible.

## TECHNICAL SPECS

BTU / Hr Input	480,000 (40ton)
Voltage	460V
Phase	3
Cooling Amps	81.6A @ 460V
Heating Amps	131.6A @ 460V (48kW)
DH Mode Amps	141.6A @ 460V
Connections	Cam-lok
Air Delivery	3200 CFM - 8000 CFM
Blower	7.5hp
Compressor	Scroll

## TECHNICAL SPECS

Supply Air Outlet	(2) 20" Round
Return Air Inlet	(2) 20" Round
Condenser Outlet	N/A
Filter Type	2" Washable Media
Weight	7200 lbs
Dimensions	88"L x 96"W x 99.75"H
Forklift Pockets	YES
Lifting Eyes	YES
Casters	NO
Cerifications	ETL, UL, CSA

# 40 TON AC/DEHUMIDIFIER W/ VFD

## Unit Features:

- Direct drive High Static plenum fan with 10hp TEFC motor
- Maximum rated static pressure of 6.5 in-wg
- Rated cooling air flow of 6,000 cfm with 100% Outside Air
- Air flow range of 3,200 – 8,000 cfm
- Stainless steel hardware
- 2 Independent stages of Dehumidification
- 2 Independent stages of Reheat, each stage can be isolated

## Package Features:

- Phase monitor/Incorrect phase indicator light (red)
- Circuit Breakers on all motors
- Blower VFD with inline starter and bypass switch
- Speed Potentiometer for Blower VFD to adjust speed from 40Hz to 78Hz
- Full tubular rental frame with fork pockets & tie down points
- Overhead certified lift frame
- Entering and leaving air temperature sensors
- Duct doors factory installed for all supply/return connections
- Quiet operation
- Manual (hand) option for running stages 1 & 2
- Marked center of gravity
- Separate control panel for High Voltage components, 100V components and customer controls
- East to operate PLC controller, controlled via entering air conditions, leaving air conditions, or remotely
- Installed emergency stop
- Airflow meter
- Installed static pressure gauge

