

30TON AC/DEHUMIDIFIER W/ VFD



The outdoor rated Smart Family 30ton 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 8" max external 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	357,600 (29.8ton) - Cooling 246,000 - Heating
Voltage	460V
Phase	3
Cooling Amps	62A @ 460V
Heating Amps	101.6A @ 460V (72kW)
DH Mode Amps	107A @ 460V
Connections	Cam-lok
Air Delivery	4,200 CFM - 10,000 CFM
Blower	10hp TEFC Direct Drive
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	5000 lbs
Dimensions	133"L x 88"W x 69"H
Forklift Pockets	YES
Lifting Eyes	YES
Casters	NO
Cerifications	UL, CSA

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Industrial AC unit (with heat and DH mode)

Unit Features:

- Single 12.5HP Copeland Scroll Compressor per circuit, 2 total
- Direct drive plenum fan with 10hp TEFC motor
- Maximum rated static pressure of 8.0 in-wg
- Rated cooling air flow of 8,000 cfm & 10,000 cfm
- Air flow range of 4,200 – 10,000 cfm
- (2) 36kW stages (72kW total) of Stainless Steel sheathed, finned tubular ELECTRIC HEAT SECTION
- Hydrophilic coated, non-lanced condenser fins
- Hydrophilic coated evaporator fins
- Stainless steel hardware
- Stainless Steel drain pan
- Permanently installed drain pan P-trap (protected within unit base)

Package Features:

- Phase monitor and Incorrect phase indicator light (red)
- Circuit Breakers on all motors
- High and low pressure safety switches
- R-410a refrigerant
- Full tubular rental frame with fork pockets & tie-down points
- Hot-dipped galvanized
- Overhead certified lift frame
- Entering and leaving air temperature sensors
- Cooling unit may run in HAND (manual) MODE of LOCAL (via PLC control) MODE
- Unit can control off supply or return air temperature via RS/SA switch
- Duct Doors factory installed for all supply/return connections

Blower Data:

