



40 TON COMPACT HYBRID HVAC UNIT

Unit Performance / Data



General

CAT / CLASS 718-1830
 Manufacturer Custom Air Products & Services, Inc.
 Unit Model Number PPKH-40TD-0NN120KE-5E5-P2-VS1CEUP
 Equipment Insurance Value \$85,000.00
 Duct Connections 3 x 20" Supply Air & 6 x 20" Return Air

Dimensions

Length (Base) 134" (11'-2")
 Width 84" (7')
 Height 101" (8'-5")
 Unit Weight 7,000 Lbs.

Electrical

Single Point Power Supply 460V / 3PH / 60HZ
 Connections 4 Cam-Lok connectors

Cooling MCA 111
 Cooling MOCP 150

Heating MCA with 117 kW 174
 Heating MOCP with 117 kW 200

Dehumidification MCA 263
 Dehumidification MOCP 300

Fan Performance

CFM	TSP	MOTOR HP
14,000	4.25	15

Heating

kW	STAGES	VOLTAGE
117	3	460 / 3 / 60

Filter

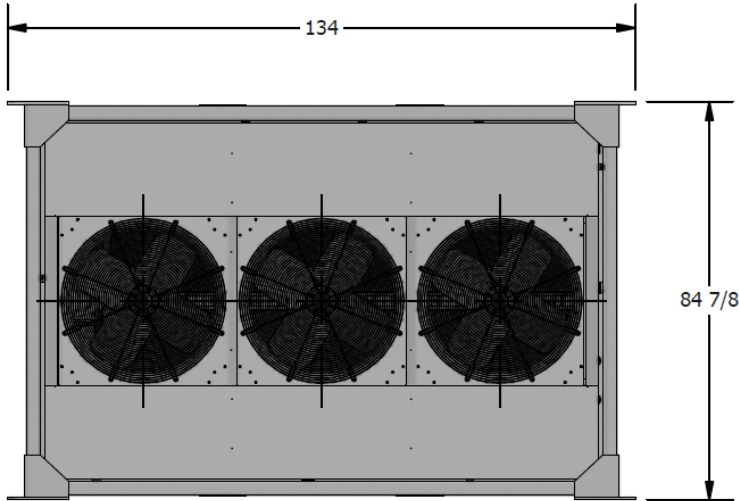
SIZE	EFF.	TYPE
(12) 20" x 20" x 2"	30%	Pleated

For more information contact:
 Herc Rentals
www.hercrentals.com
 1 (888) 658-1718



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Unit Drawings



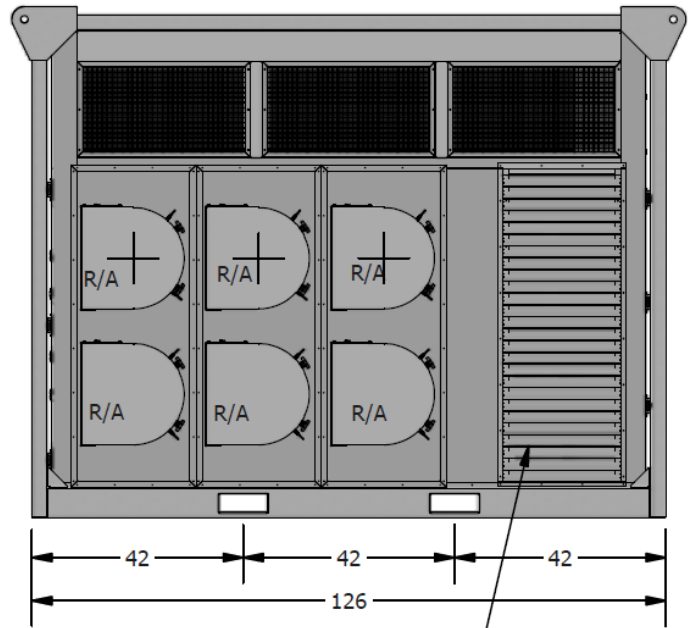
Plan View with Dimensional Data



Three (3) Supply Air Connections



Control Panel



Six (6) Return Air Connections with Dimensional Data

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Compact Hybrid HVAC Unit Features:

- Two (2) stages of refrigeration capacity control
- Four (4) stages of heating capacity control
- Dual independent refrigerant circuits utilizing scroll compressors
- Electrical heat (117kW)
- 14,000 CFM static constant volume fan rated at 4.25 TSP
- VFD air volume control
- Direct drive condenser fans
- Environmentally safe 410A refrigerant
- Stainless steel condensate pan – connection size 1" FPT
- Easy access panels for efficient serviceability
- Heavy duty skid with dual forklift slots
- Coated Lifting / Stacking cage
- Rugged design built for rental duty
- Corrosion resistant condenser coil guards
- 1" Cabinet insulation
- Three (3) 20" supply air connections with duct friction locks and covers
- Six (6) 20" return air connections with duct friction locks and covers

Compact Hybrid HVAC Unit Functions:

- Single point 460V/3PH/60HZ power application power connection utilizing four (4) Cam-Lock power cables
- Panel mounted high voltage disconnect
- Main power on indicator light (green)
- Phase monitor and phase fail indicator light (red)
- Heating status and cooling status lights (blue)
- Master On/Off switch lights (amber)
- Low ambient condenser fan cycling switch
- Hour meters for each refrigerant circuit
- DDC compressor protection module
- Common trouble alarm terminal
- High and low pressure safety switches
- Air flow differential pressure safety switch
- Heater safety control circuit and limits
- Micro processor temperature controller
- DH operation utilizing a single enable control switch
- Two (2) stage thermostat

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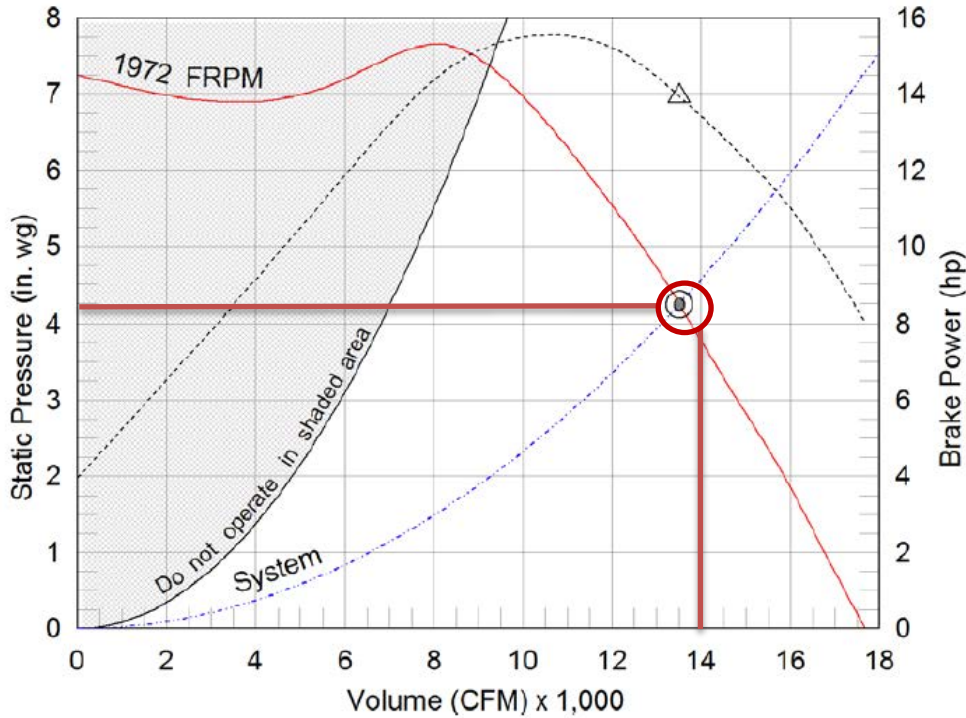
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Operation Performance



Fan Performance

Motor 15 HP
 Motor Type TEFC
 Drive Configuration Belt
 Belt Size TBD

Cooling Coil Performance

CFM	FPM	EDB/EWB	LDB/LWB	MBH Total	MBH Sens.	ROW/FIN	REFG.	SUCT. TEMP	SUPER HEAT
14,000	504.9	79.8 / 66.5	54.8 / 54.4	504.7	363.3	6 / 9	410A	45.0	20.0

Compressor Performance

MBH TOTAL CAPACITY	SUPER HEAT	SUB-COOLING	AMBIENT AIR OVER	COND TEMP	EVAP TEMP	RETURN GAS TEMP	LIQUID LINE TEMP	DISCHARGE TEMP	REFG.
510.0	20.0	15.0	95.0	125.0	45.0	65.0	110.0	198.0	410A

Equipment specifications are based manufactures published data; capacity may vary based upon field conditions

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