



## 70 TON COMPACT HYBRID HVAC UNIT

Unit Performance / Data



### General

CAT / CLASS 718-2230  
 Manufacturer Custom Air Products & Services, Inc.  
 Unit Model Number PPKH-70TD-0NN136KE-5E5-P2-VS1CEUP  
 Equipment Insurance Value \$115,000.00  
 Duct Connections 4 x 20" Supply Air & 8 x 20" Return Air

### Dimensions

Length (Base) 188" (15'-8")  
 Width 101" (8'-5")  
 Height 101" (8'-5")  
 Unit Weight 11,700 Lbs.

### Electrical

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

Cooling MCA 170  
 Cooling MOCP 250

Heating MCA with 136 kW 209  
 Heating MOCP with 136 kW 250

Dehumidification MCA 344  
 Dehumidification MOCP 400

### Fan Performance

CFM	TSP	MOTOR HP
22,000	4.25	25

### Heating

kW	STAGES	VOLTAGE
136	4	460 / 3 / 60

### Filter

SIZE	EFF.	TYPE
(10) 25" x 25" x 2"	30%	Pleated

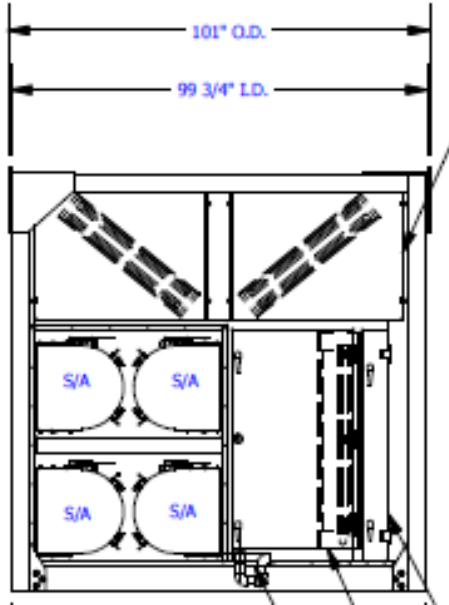
For more information contact:

Herc Rentals  
[www.hercrentals.com](http://www.hercrentals.com)  
 1 (888) 658-1718



# 70 TON COMPACT HYBRID HVAC UNIT

Unit Drawings



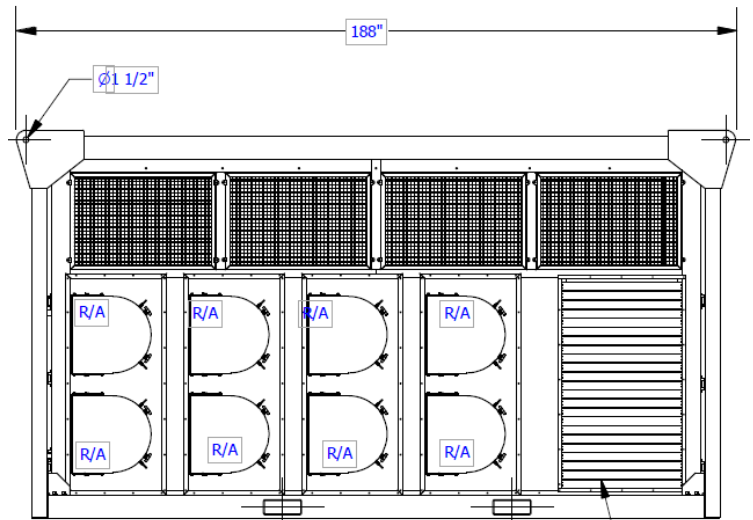
Three (3) Supply Air Connections with Dimensional Data



Control Panel View



Access Panels View



Eight (8) Return Air Connections with Dimensional Data

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



## 70 TON COMPACT HYBRID HVAC UNIT

Product Data

### 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 (136kW)
- 22,000 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
- Four (4) 20" supply air connections with duct friction locks and covers
- Eight (8) 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

### For more information contact:

**Herc Rentals**

**[www.hercrentals.com](http://www.hercrentals.com)**

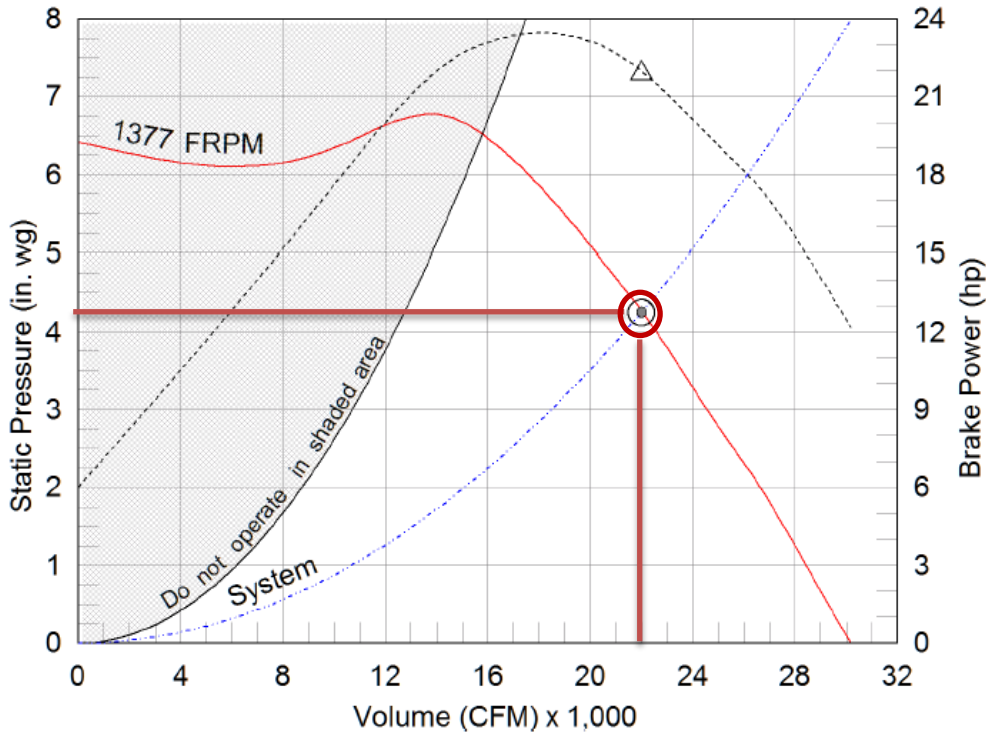
**1 (888) 658-1718**



## 70 TON COMPACT HYBRID HVAC UNIT

Unit Performance/Data – Return Air Application

### Operation Performance



### Fan Performance

Motor 25 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
22,000	517.6	79.5 / 66.3	53.7 / 53.7	846.4	612.4	6 / 10	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.
822.0	20.0	15.0	95.0	125.0	45.0	65.0	110.0	194.0	410A

For more information contact:

Herc Rentals

[www.hercrentals.com](http://www.hercrentals.com)

1 (888) 658-1718



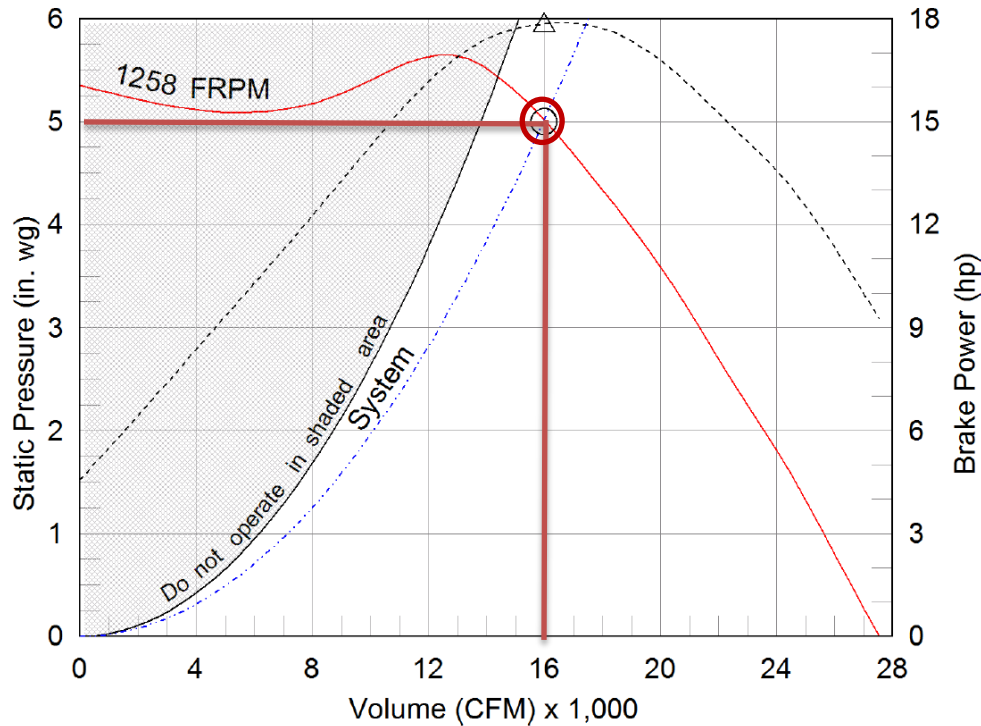
## 70 TON COMPACT HYBRID HVAC UNIT

Unit Performance/Data – Outside Air Application

### Operation Performance

### Fan Performance

#### Operating Performance



Motor 25 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
16,000	376.5	95.0 / 80.0	64.3 / 64.3	995.8	530.2	6 / 10	410A	55.3	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.
994.0	20.0	15.0	95.0	125.0	55.3	75.3	109.8	186.0	410A

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

For more information contact:

Herc Rentals

www.hercrentals.com

1 (888) 658-1718

Rev 0 - 2018