



## 30 TON PORTABLE AIR COOLED CHILLER PACKAGE

Unit Performance / Data



### General

CAT Class	718-1750
Manufacturer	Custom Air Products & Services, Inc.
Unit Model Number	PCHH-30TC-0NN0NN-5E5-0-PG2CEUP
Equipment Insurance Value	\$78,000.00
Filter Requirements	N/A

### Dimensions

Length (Cage)	178" (14'-10")
Length (Base)	184" (15'-4")
Width	55" (4'-7")
Height	66" (5'-6")
Unit Weight	4,550 Lbs.

### Estimated Electrical

Certification	UL Listed equipment and components
Single Point Power Supply	460V/3PH/60HZ
Connections	1 @ Series 16 Male per conductor
Min. Circuit Ampacity (MCA)	78 (MCA must be used for circuit sizing-includes pump)
Max. Overcurrent Protection (MOCP)	90

### Estimated Evaporator Flow

Water Volume, Gals.	3.2
Max Water Side Pressure, PSIG	150
Max Refrigerant Side Pressure, PSIG	650
Min Chilled Water Flow Rate, GPM	30
Max Chilled Water Flow Rate, GPM	150

For more information contact:

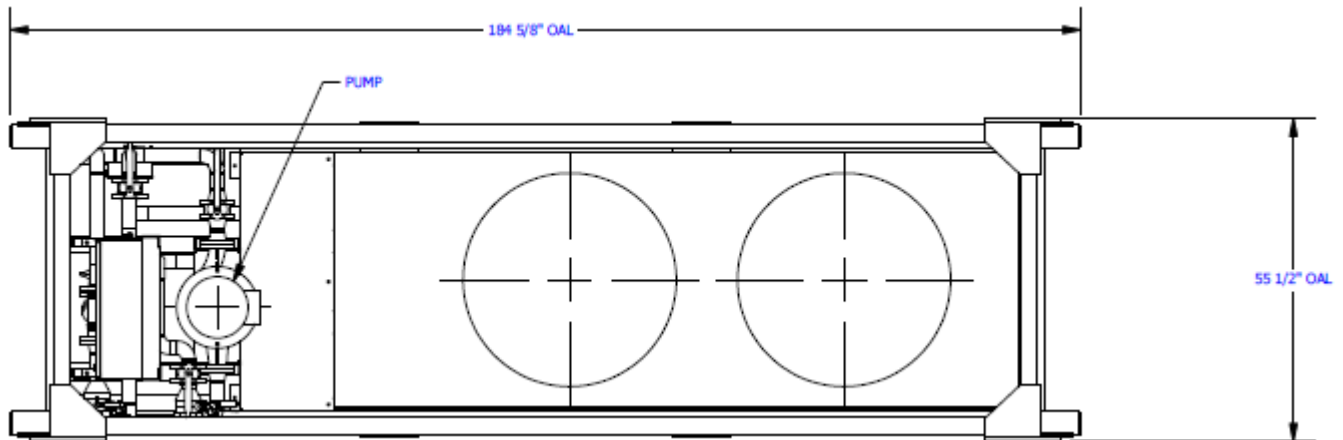
**Herc Rentals**  
**www.hercrentals.com**  
**1 (888) 658-1718**

*More unit performance data on page 4*



## 30 TON PORTABLE AIR COOLED CHILLER PACKAGE

Unit Drawings / Photos



Plan View with Dimensional Data



Lifting/Stacking Structural Skid & Cage



Chiller Control Panel End View

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



## 30 TON PORTABLE AIR COOLED CHILLER PACKAGE

Product Data

### Chiller Features:

- York YCAL0033EE46XEB air cooled chiller
- TEAO condenser fan motors
- Direct drive suction gas cooled, hermetic, scroll compressors
- Brazed plate heat-exchanger
- Super quiet design
- High efficiency/performance
- R410A refrigerant
- Freeze protection to -20F with 3/4" foam insulated evaporator & protective aluminum jacketing, and refrigerant isolation valves (discharge valve)
- Suitable for high ambient operation up to 125°F with high ambient option
- Suitable for low ambient operation down to 0°F with low ambient option
- Enhanced capacity control with hot gas bypass option
- Dual circuit machine for staging and efficiency
- Louvered condenser coil guards
- Standalone York DDC temperature controls
- ETL / cETL listed to US and Canadian safety standard
- ASHRAE 90.1 compliance
- ARI Standard 550/590
- ANSI/NFPA Standard 70

### Package Features:

- Phase monitor and phase fail indicator light (red)
- Main power on indicator light (green)
- Master On/Off switch
- One (1) hour compressor crank case heater lock out timer
- Common trouble alarm terminal
- Integrated main power wiring with Cam-Lock electrical connections and associated wiring
- Single point 460V/3PH/60HZ power application power connection for Chiller/Pump package
- Additional differential pressure safety switch for chiller protection
- EnergyGuard condenser coil corrosion protection
- Temperature and pressure gauges (Inlet & Outlet)
- Chiller provided with hydronic isolation and drain valves.
- Hot dip galvanized certified structural lifting/stacking skid and integrated tie-downs
- 4" Dixon type quick connect fittings (Inlet & Outlet)
- 4" Butterfly Valve for system balancing on Outlet
- Chilled water temperature and pressure indication (Inlet & Outlet)
- Integrated 100 GPM @ 100' TDH system pump with bypass for local or remote pump application

For more information contact:

Herc Rentals

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

1 (888) 658-1718

Rev 1 - 2017



## 30 TON PORTABLE AIR COOLED CHILLER PACKAGE

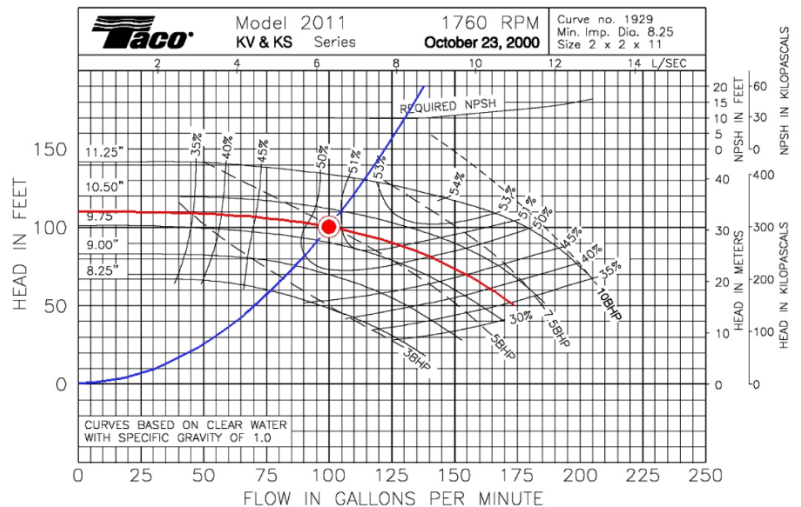
Unit Performance/Data

MODEL: YCAL0033EE															IPLV = 14.5	
AIR TEMPERATURE ON CONDENSER (°F)																
LCWT (°F)	75.0			80.0			85.0			90.0			95.0			
	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	
40.0	29.7	23.8	13.3	29.0	25.0	12.4	28.3	26.3	11.6	27.5	27.7	10.8	26.7	29.2	10.0	
42.0	30.7	24.0	13.6	30.0	25.2	12.8	29.2	26.5	11.9	28.5	27.9	11.1	27.6	29.4	10.2	
44.0	31.7	24.2	14.0	31.0	25.4	13.1	30.2	26.7	12.2	29.4	28.1	11.3	28.6	29.6	10.5	
45.0	32.2	24.4	14.1	31.5	25.6	13.2	30.7	26.9	12.3	29.9	28.3	11.5	29.0	29.8	10.6	
46.0	32.7	24.5	14.3	32.0	25.7	13.4	31.2	27.0	12.5	30.4	28.4	11.6	29.5	29.9	10.8	
48.0	33.7	24.8	14.6	33.0	26.0	13.7	32.2	27.3	12.8	31.4	28.7	11.9	30.5	30.2	11.0	
50.0	34.8	25.1	14.9	34.0	26.3	14.0	33.2	27.6	13.0	32.3	29.0	12.1	31.4	30.5	11.3	

MODEL: YCAL0033EE															IPLV= 14.5			
AIR TEMPERATURE ON CONDENSER (°F)																		
LCWT (°F)	100.0			105.0			110.0			115.0			120.0			125.0		
	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER
40.0	25.9	30.8	9.2	25.0	32.5	8.5	24.1	34.3	7.8	23.2	36.2	7.1	22.2	38.3	6.4	11.6	18.3	6.5
42.0	26.8	31.0	9.5	25.9	32.7	8.7	24.9	34.5	8.0	24.0	36.5	7.3	23.0	38.5	6.6	12.1	18.4	6.8
44.0	27.7	31.2	9.7	26.8	33.0	8.9	25.8	34.8	8.2	24.8	36.7	7.5	23.8	38.8	6.8	12.5	18.4	7.0
45.0	28.1	31.4	9.8	27.2	33.1	9.0	26.2	34.9	8.3	25.2	36.8	7.6	24.2	38.9	6.9	12.7	18.5	7.1
46.0	28.6	31.5	9.9	27.7	33.2	9.2	26.7	35.0	8.4	25.7	37.0	7.7	24.6	39.0	7.0	13.0	18.5	7.2
48.0	29.5	31.8	10.2	28.6	33.5	9.4	27.6	35.3	8.6	26.5	37.2	7.9	25.4	39.3	7.2	13.4	18.6	7.5
50.0	30.5	32.1	10.4	29.5	33.8	9.6	28.5	35.6	8.9	27.4	37.5	8.1	14.5	17.8	8.4	13.9	18.7	7.7

### Pump Performance

Motor	7.5 HP
Motor Type	TEFC
Configuration	Vertical In-Line
Variable Speed	N/A
Gallon Per Min.	100
Total Discharge Head	100'



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