

A e r o S y s

I n c o r p o r a t e d

Thru-the-wall Air Cooled Condensing Units

***AeroCon THDC Series
R-410A refrigerants***



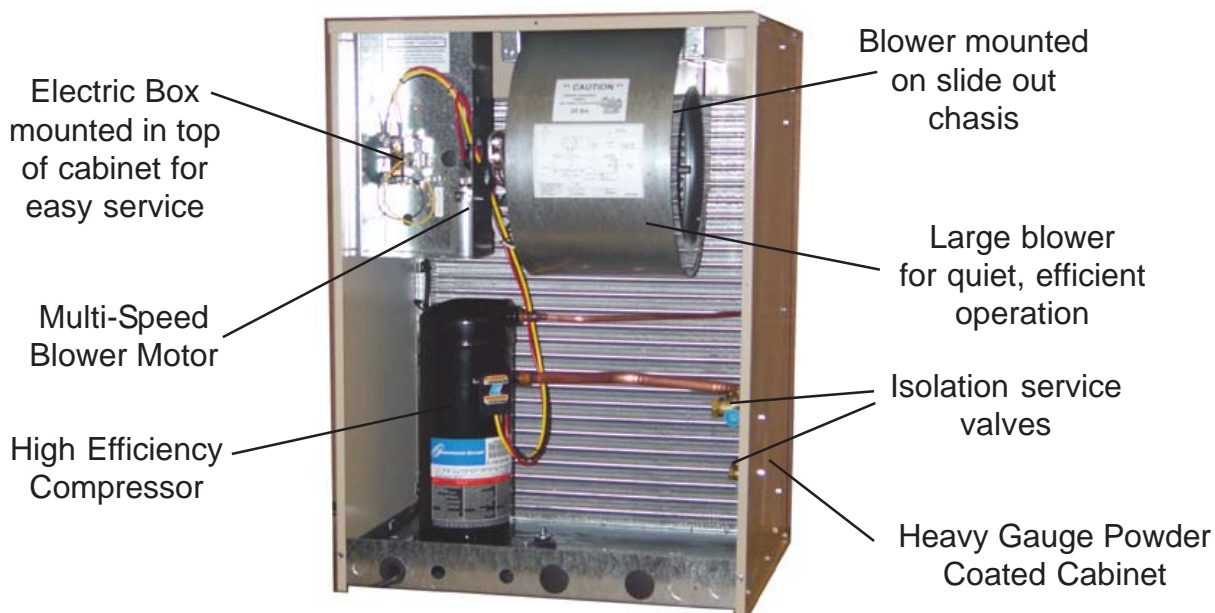
AeroSys, Inc.

929 Eldridge Drive, Hagerstown, Maryland, 21740

Tel (301) 620-0002 Fax (301) 620-0685

www.aerosysinc.com

System View



Design Features

High Efficiency Scroll Compressor
Advanced coil design
Powder coat over galvaneal, after the metal is sheared, punched and formed for superior corrosion protection
Safety screen painted to match unit
Low RPM blower

Multi-speed blower motor
No proprietary components
Factory piped service valves and pressure ports
5 year compressor warranty
Easy, full front access for service
THDC systems are available in 4 cabinet sizes for customer flexibility.

Guide Specifications

General- factory tested prior to shipment. The system is listed and labeled in compliance with UL Std. 1995 for Heating and Cooling Equipment by a Nationally Recognized Laboratory.

Cabinet Construction- constructed from heavy gauge steel and powder-coated with a neutral color for attractiveness and corrosion protection. The coil and blower discharge are protected with a heavy gauge screen.

Coil- constructed of copper tubes and aluminum fins and cased with heavy duty galvanized steel header plates.

Motor- permanent split capacitor (PSC), continuous duty air-over design with internal thermal protection and flexible mounts.

Blower- galvanized treated for corrosion protection and shall be statically and dynamically balanced to minimize vibration and noise. Blowers shall be selected for low rpm and low sound characteristics.

Selected Optional Equipment

Architectural Grille- extruded aluminum anodized architectural louver grille. The grille can be powder coated to match the color requirements of the project.

Low Ambient Control- Blower speed control allows system to operate down to 20°F ambient.

High and Low Pressure Switches- Factory piped and wired safety pressure switches add additional safeguards against loss of refrigerant or high refrigerant system pressures.



410A Performance Data

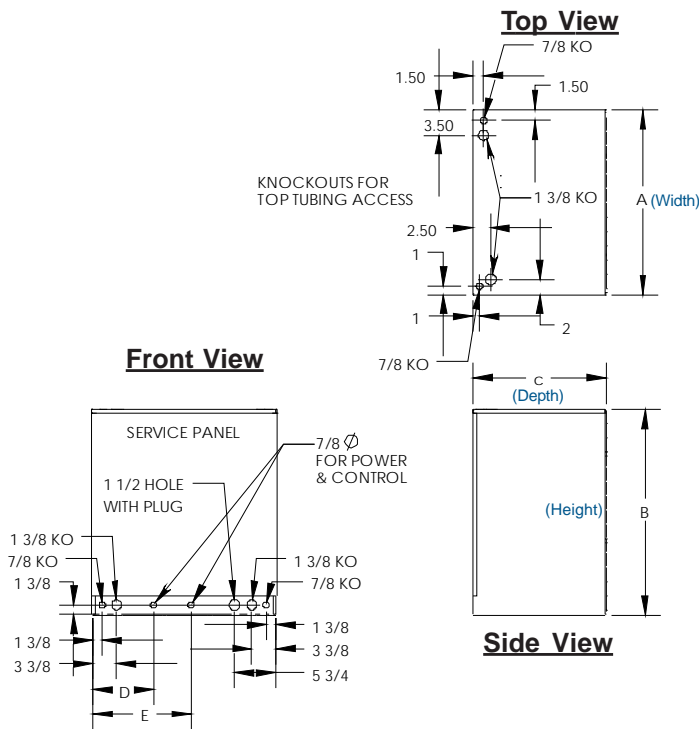
	BTU's	SEER
"P" Series Condensing Units		
THDC-18PG	19,400	10.9
THDC-24PG	23,800	10.9
THDC-30PG	27,400	10.9
"Runt" Series Condensing Units		
THDC-18RG	19,400	10.9
THDC-24RG	23,800	10.9
THDC-30RG	27,400	10.9
"Short" Series Condensing Units		
THDC-18SG	19,500	10.9
THDC-24SG	24,000	10.9
THDC-30SG	27,900	10.9
"Tall" Series Condensing Units		
THDC-18TG	19,500	10.9
THDC-24TG	24,100	10.9
THDC-30TG	27,900	10.9

ARI 210/240 conditions

R-410A Electrical/Physical Data

Data@208-230/1/60	THDC-18()	THDC-24()	THDC-30()
Full Load Amps	8.1	9.7	11.2
Min. Circuit Amps	13.5	19.1	19.8
Max Fuse Size	20AMP	30Amp	30 Amp
Motor FLA	1.7	1.7	1.7
Comp RLA/LRA	9.0/48.0	13.5/58.3	14.1/73
Liquid Line Conn.	3/8"ODS	3/8"ODS	3/8"ODS
Suction Line Conn.	3/4"ODS	3/4"ODS	3/4"ODS
Compressor, qty 1	Scroll	Scroll	Scroll
Wt, lbs. (net/ship)	170/175	179/185	191/198

Dimensional Data



MODEL	Width Height Depth				
	A	B	C	D	E
THDC-18PG	33 ³ / ₄	19	18 ¹ / ₂	25	32
THDC-18RG	29 ¹ / ₂	23	18 ¹ / ₂	8 ¹ / ₂	13 ³ / ₄
THDC-18SG	26	28 ⁵ / ₈	18 ¹ / ₂	8 ¹ / ₂	13 ³ / ₄
THDC-18TG	23 ³ / ₄	32	18 ¹ / ₂	6	10
THDC-24PG	33 ³ / ₄	19	18 ¹ / ₂	25	32
THDC-24RG	29 ¹ / ₂	23	18 ¹ / ₂	8 ¹ / ₂	13 ³ / ₄
THDC-24SG	26	28 ⁵ / ₈	18 ¹ / ₂	8 ¹ / ₂	13 ³ / ₄
THDC-24TG	23 ³ / ₄	32	18 ¹ / ₂	6	10
THDC-30PG	33 ³ / ₄	19	18 ¹ / ₂	25	32
THDC-30RG	29 ¹ / ₂	23	18 ¹ / ₂	8 ¹ / ₂	13 ³ / ₄
THDC-30SG	26	28 ⁵ / ₈	18 ¹ / ₂	8 ¹ / ₂	13 ³ / ₄
THDC-30TG	23 ³ / ₄	32	18 ¹ / ₂	6	10



THDC-() PG series

FOUR CABINETS TO SELECT FROM



Standard
Grille



Optional Wall
Sleeve mounted
on unit



Optional Wall
Sleeve only



Optional
Architectural
Grille

Other AeroSys Products

CeilMate Ceiling mounted critical cooling application air conditioners in sizes from 1 ton to 5 ton capacities.



AeroCon THHP Series heat pumps in sizes from 1- $\frac{1}{2}$ ton to 2- $\frac{1}{2}$ ton capacities.

AeroCon Commercial centrifugal condensing units from 3 to 5 tons

AeroCool DCW Series chilled water air handlers in sizes from 1- $\frac{1}{2}$ ton to 2- $\frac{1}{2}$ ton capacities.

AeroPure Refrigerants, reclaimed and re certified to ARI 700.



Listing # E112295

Complies with
UL 1995
Heating and Cooling
Equipment

Accepted for
Use
City of NY
Dept. of Bldgs
MEA-85-04-E