VERANO®
BY MDL SOLUTIONS
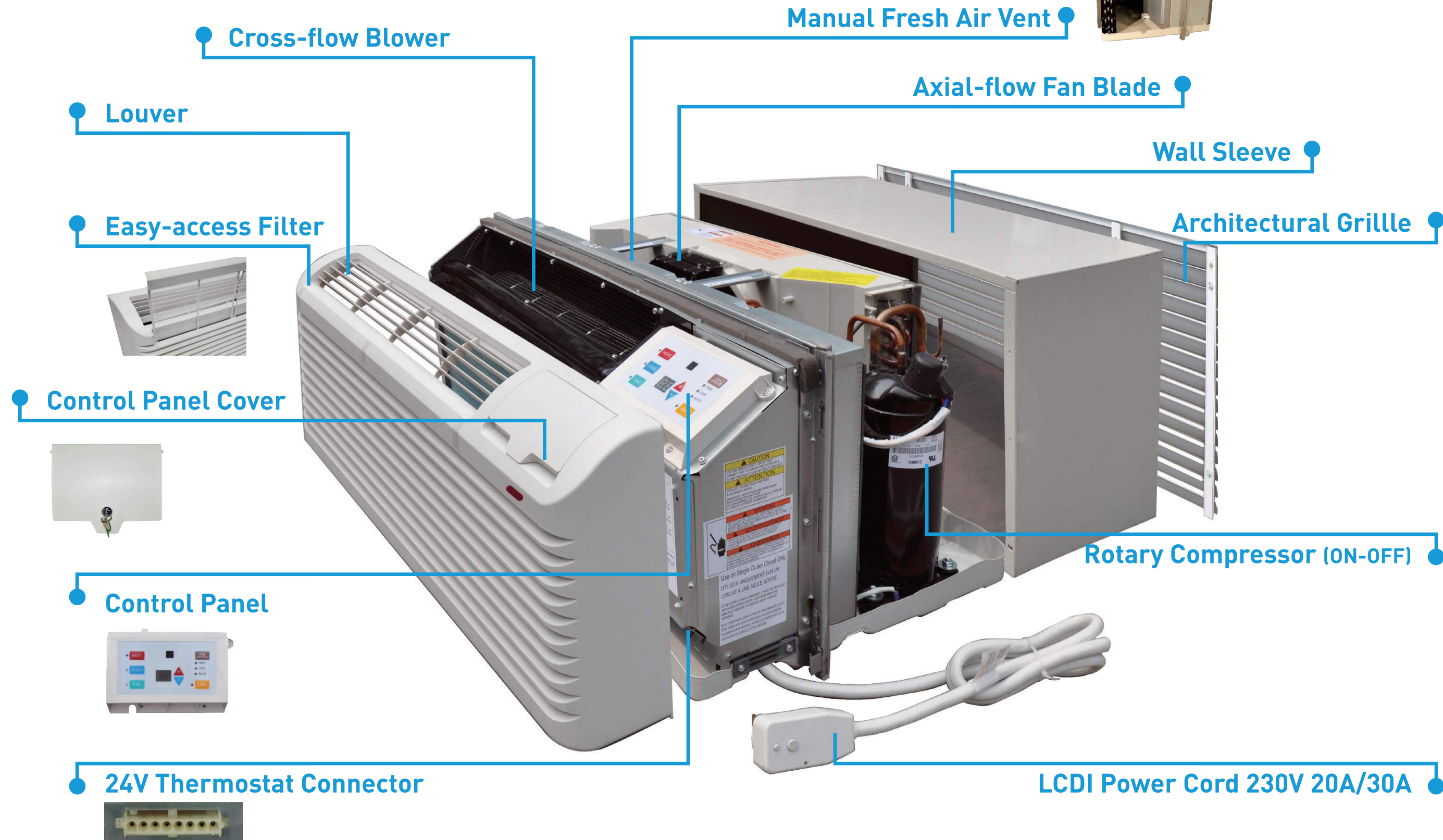COMPACT LOWER VOLTAGE FAN COILS AND HYDRONIC HEAT | MDLSOLN.COM

PTAC VTAC

HORIZONTAL & VERTICAL PACKAGED TERMINAL UNITS TECHNICAL CATALOG

YOUR SATISFACTION, OUR OBJECTIVE

PTAC Key Components

Cross-flow Blower

Manual Fresh Air Vent

Axial-flow Fan Blade

Louver

Wall Sleeve

Easy-access Filter

Architectural Grillle

Control Panel Cover

Rotary Compressor (ON-OFF)

Control Panel

24V Thermostat Connector

LCDI Power Cord 230V 20A/30A

AHRI CERTIFIED®
www.ahridirectory.org
Packaged Terminal AC
AHRI Standard 310/380

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c   us

PTAC Standard Features

1 **HIGH ENERGY EFFICIENCIES**

Efficient design with EER as high as 13.0 and COP of 3.55.
Exceeds current AHRI standards and DOE requirements.

2 **OUTLET DESIGN**

Optimized air discharge configurations with large axial blower wheels and lower blower speeds resulting in lower sound levels in occupied spaces.

3 **COMPRESSOR AND EVAPORATOR FREEZE PROTECTION**

Temperature sensors are used to detect if the compressor or evaporator is too cold and then signal to stop the operation of the unit.

4 **SELF DIAGNOSTIC**

Unit will perform self diagnostics and display appropriate error code.

5 **RAPID HEAT MODE**

When in Rapid Heat Mode electric heat will be engaged to raise the room temperature quickly. When room temperature is met, the unit will revert to standard heat pump mode.

6 **FACTORY TESTED**

All units are thoroughly tested before shipping to ensure proper functionality.

**7** **EASY INSTALLATION AND MAINTENANCE**

Cover is one piece including discharge grille and louvers.
PCB is in enclosed electrical box and outdoor components are within molded enclosure. MERV3 filters are easily accessed for cleaning and replacement.
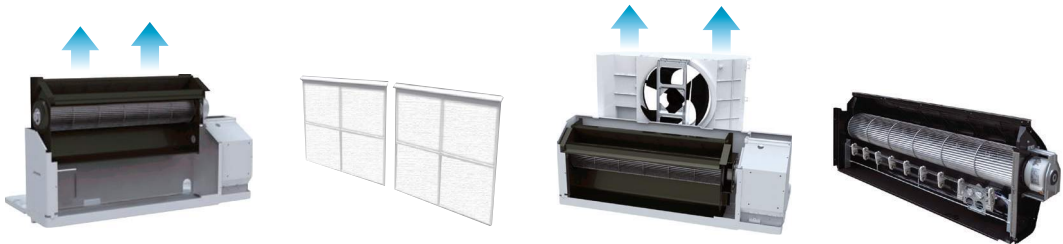
8 **TWO-STAGE ELECTRIC HEATER**

Electric heaters are available in the sizes indicated in the table.

ELECTRIC HEATER OPTIONS					
Capacity (208-230V)	2 kW	2.5 kW	3 kW	3.6 kW	5
LCDA-I Power Cord	20A - 230V				30A - 230V
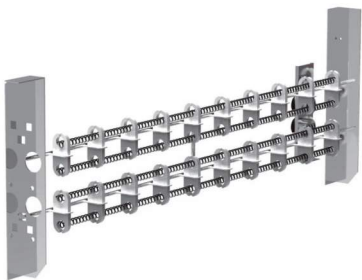
9 **USER FRIENDLY CONTROLLER**

Standard control panel shown as below. Compatible with remote controller and wired wall thermostat.

PTAC Standard Features

10 | ### DUAL FAN MOTORS

All PTAC units have two fan motors with quiet operation and maximum efficiency. Motors are permanently lubricated to reduce maintenance and totally enclosed to keep dirt and water out of the motor windings.

11 | ### QUIET AND ENERGY EFFICIENT COMPRESSOR

Smooth operation for quiet, dependable service and high efficiency.

12 | ### SUPERIOR TEMPERATURE CONTROL

Microprocessor controls are programmed to interface with the temperature sensors to maximize comfort conditions for the room occupant and provide outstanding features.

13 | ### OPERATION MEMORY RESTART AFTER POWER FAILURE

The unit setting before any power outage will be memorized and resume after power supply restarts.

14 | ### FRONT DESK CONTROL

The PTAC unit can be turned ON or OFF by front desk control before the tenant moves into the room or after leaving the room.

15 | ### CONTINUOUS FRESH AIR INTAKE

Fresh air is drawn into the PTAC unit through a manually set fresh air vent.

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18 GAUGE INSULATED WALL SLEEVE

• Industry standard dimensions of 42" wide x 16" high x 14" deep.
• Sleeves may be shipped folded for more efficient packing.
• Upon request, wall sleeves can be provided with or without foam insulation.

Folded Wall Sleeve   16"   42"   14"   Assembled Wall Sleeve
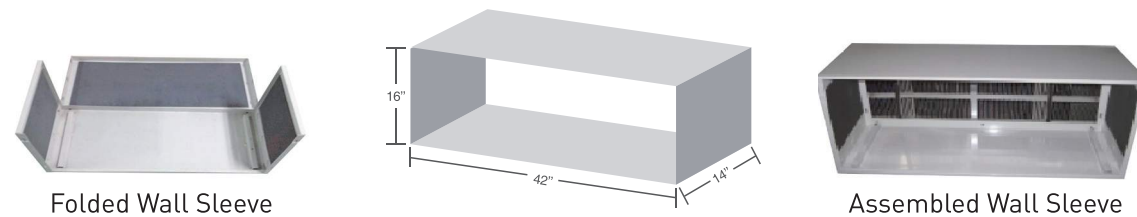
OUTDOOR GRILLES

• Stamped aluminum grille to attach to wall sleeve.
• Silver aluminum architectural grille with a minimum size of 42" wide x 15.5" high.

Stamped Aluminum
Exterior Rear Grille

Aluminum Architectural
Outdoor Grille
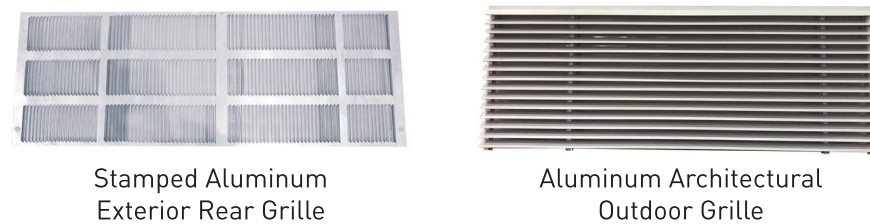
PANEL COVER LOCK

• Panel cover with lock to ensure safety and security.

CONDENSATE DRAINAGE HOSE KIT

• Can be attached to the wall sleeve drain pan for the disposal of condensate water.
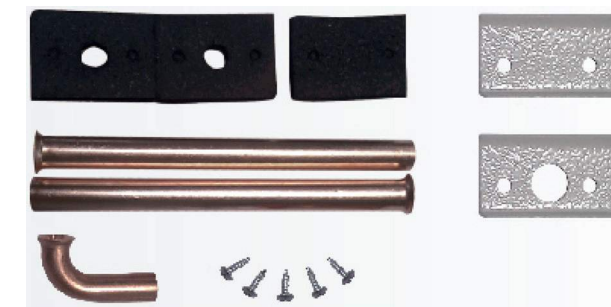
OPTIONAL CONTROLLERS

• To use additionally to the standard control panel on the unit.

Wired controller

Remote controller
(works with panel control)
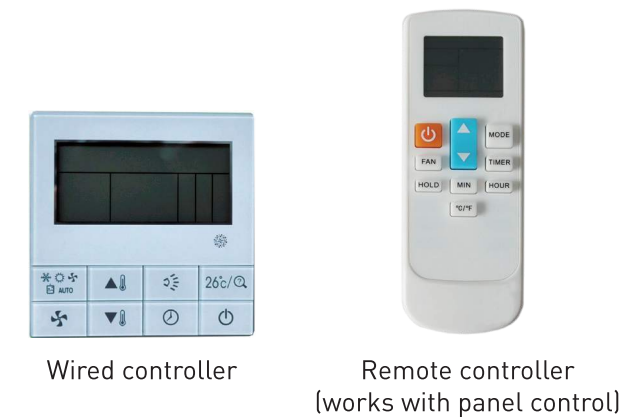
LEVELING LEGS

•Heavy gauge steel black leveling legs with adjustable height of 3 1/4 to 5 1/2 inches from finished floor. Easy to mount and secure to standard wall sleeve.

PTAC Accessories

ELECTRICAL SUBBASE KIT

• Easy to mount and secure to standard wall sleeve, with adjustable height of 3 1/4 to 5 1/2 inches from finished floor.
• Contains a prewired NEMA receptacle outlet. With multiple electrical knockouts for fast and easy installation.
• Decorative side skirting for finished appearance as well as an optional field installed pre-wired disconnect switch and fuse kits.

ELECTRICAL SUBBASE						
Voltage	230 V			265 V		
Current Rating	15A	20A	30A	15A	20A	30A
Material	Steel					
Dimensions (L x D x H)	42" x 4 5/8" x 3 1/4"					

230V Electrical Subbase   265V Electrical Subbase

NON-ELECTRICAL SUBBASE KIT

• Easy to mount and secure to standard wall sleeve, with adjustable height of 3 1/4 to 5 1/2 inches from finished floor.
• With decorative side skirting for finished appearance.
• Dimensions are 42" L x 1 1/2" D x 3 1/4" H.

PTAC Product Specifications

Standard Models

COOLING WITH ELECTRIC HEATER

PTAC-CEH			07-X	09-X	12-X	15-X
Power Supply		V/Ph/Hz	208-230 / 1 / 60			
Cooling	Capacity	BTU/H	6800/7200	9300/9500	11800/12000	14300/14500
	EER	BTU/w.h	11.9/11.9	11.7/11.4	10.7/10.5	10.2/10.2
	Power Input	W	570/605	795/835	1100/1140	1400/1420
	Rated Current	A	2.8/2.7	3.9/3.7	5.4/5.1	6.8/6.3
Electric Heater		kW	230V 3kW			230V 5 kW
Power cable specification		A	240V / 20A			240V / 30A
Maximum input power		W	740	1040	1460	1760
Maximum current		A	3.9	5.1	7.3	8.9
Operation Control (optional)			Remote controller, wired controller, 24V thermostat or external controller			
Indoor fan motor	Input	W	55		64	
	Capacitor	uF	1.5			
	Speed (H/L)	RPM	750/650		1050/850	
Indoor air flow (H/L)		CFM	410/365		470/410	
Indoor noise level (H/L)		dB(A)	46/36		48/42	
Compressor	Type		Rotary			
	Capacitor	uF	15	25		40
Outdoor fan motor	Input	W	95			100
	Capacitor	uF	3			
	Speed	RPM	1600			1680
Outdoor noise level		dB(A)	67			
Refrigerant	Type		R410A			
	Charge	oz	30	33	31	35
Recommended operation temperature range		ºF	60-90			
Recommended ambient temperature range			50-115			
Application area		ft²	<107	107-193		193-269
Net dimensions (W x H x D)		in.	42 x 15 15/16 x 21 3/8			
Packing dimensions (W x H x D)			45 1/4 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	97	100	108	110
	Ship		110	114	121	123
Loading Quantity (20' / 40' / 40' HQ)		units	72 / 152 / 190			

Note: Dimensions are approximate, within 1/16˝.

PTAC-CEH			07-Z	09-Z	12-Z	15-Z
Power Supply		V/Ph/Hz	265 / 1 / 60			
Cooling	Capacity	BTU/H	7000	9200	12000	15000
	EER	BTU/w.h	12.1	11.5	10.6	10.1
	Power Input	W	580	800	1130	1485
	Rated Current	A	2.3	3.3	4.5	5.7
Electric Heater		kW	3			5
Power cable specification		A	277V / 20 A			277V / 30A
Maximum input power		W	770	995	1400	1745
Maximum current		A	2.9	3.9	5	7
Operation Control (optional)			Remote controller, wired controller, 24V thermostat or external controller			
Indoor fan motor	Input	W	55		56	
	Capacitor	uF	1.2		1	
	Speed (H/L)	RPM	940/740		970/800	
Indoor air flow (H/L)		CFM	383/259		400/312	
Indoor noise level (H/L)		dB(A)	45/36		47/40	
Compressor	Type		Rotary			
	Capacitor	uF	15	25	30	25
Outdoor fan motor	Input	W	95		100	
	Capacitor	uF	2			
	Speed	RPM	1600		1640	
Outdoor noise level		dB(A)	66		67	68
Refrigerant	Type		R410A			
	Charge	oz	30	31	30	34
Recommended operation temperature range		ºF	60-90			
Recommended ambient temperature range			50-115			
Application area		ft²	108-140	145-194	189-252	236-312
Net dimensions (W x H x D)		in.	42 x 15 15/16 x 21 3/8			
Packing dimensions (W x H x D)			45 1/4 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	97	106	108	117
	Ship		110	119	121	128
Loading Quantity (20' / 40' / 40' HQ)		units	72/152/190			

Note: Dimensions are approximate, within 1/16˝.

Standard Models

HEAT PUMP WITH ELECTRIC HEATER

PTAC-HEH			07-X	09-X	12-X	15-X
Power Supply		V/Ph/Hz	208-230 / 1 / 60			
Cooling	Capacity	BTU/H	6800/7200	9300/9500	11800/12000	14300/14500
	EER	BTU/w.h	11.9/11.9	11.7/11.4	10.7/10.5	10.2/10.2
	Power Input	W	570/605	795/835	1100/1140	1400/1420
	Rated Current	A	2.8/2.7	3.9/3.7	5.4/5.1	6.8/6.3
Heating	Capacity	BTU/H	6100/6400	8300/8500	10800/11000	13200/13600
	COP	W/W	3.34/3.35	3.55/3.51	3.51/3.39	3.35/3.38
	Power Input	W	535/560	685/710	900/950	1155/1180
	Rated Current	A	2.6/2.5	3.3/3.1	4.5/4.2	5.6/5.2
Electric Heater		kW	230V 3kW			230V 5 kW
Power cable specification		A	240V / 20A			240V / 30A
Maximum input power		W	740	1040	1460	1760
Maximum current		A	3.9	5.1	7.3	8.9
Operation Control (optional)			Remote controller, wired controller, 24V thermostat or external controller			
Indoor fan motor	Input	W	55		64	
	Capacitor	uF	1.5			
	Speed (H/L)	RPM	750/650		1050/850	
Indoor air flow (H/L)		CFM	410/365		470/410	
Indoor noise level (H/L)		dB(A)	46/36		48/42	
Compressor	Type		Rotary			
	Capacitor	uF	15	25		40
Outdoor fan motor	Input	W	95			100
	Capacitor	uF	3			
	Speed	RPM	1600			1680
Outdoor noise level		dB(A)	67			
Refrigerant	Type		R410A			
	Charge	oz	30	33	31	35
Recommended operation temperature range		°F	60-90			
Recommended ambient temperature range			50-115			
Application area		ft²	<107	107-193		193-269
Net dimensions (W x H x D)		in.	42 x 15 15/16 x 21 3/8			
Packing dimensions (W x H x D)			45 1/4 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	97	100	108	110
	Ship		110	114	121	123
Loading Quantity (20' / 40' / 40' HQ)		units	72 / 152 / 190			

Note: Dimensions are approximate, within 1/16".

PTAC-HEH			07-Z	09-Z	12-Z	15-Z
Power Supply		V/Ph/Hz	265 / 1 / 60			
Cooling	Capacity	BTU/H	7000	9200	12000	15000
	EER	BTU/w.h	12.1	11.5	10.6	10.1
	Power Input	W	580	800	1130	1485
	Rated Current	A	2.3	3.3	4.5	5.7
Heating	Capacity	BTU/H	6100	8500	11400	14000
	COP	W/W	3.40	3.51	3.34	3.16
	Power Input	W	525	710	1000	1300
	Rated Current	A	2.1	2.9	3.9	4.9
Electric Heater		kW	3			5
Power cable specification		A	277V / 20 A			277V / 30A
Maximum input power		W	770	995	1400	1745
Maximum current		A	2.9	3.9	5	7
Operation Control (optional)			Remote controller, wired controller, 24V thermostat or external controller			
Indoor fan motor	Input	W	55		56	
	Capacitor	uF	1.2		1	
	Speed (H/L)	RPM	940/740		970/800	
Indoor air flow (H/L)		CFM	383/259		400/312	
Indoor noise level (H/L)		dB(A)	45/36		47/40	
Compressor	Type		Rotary			
	Capacitor	F	15	25	30	25
Outdoor fan motor	Input	W	95		100	
	Capacitor	uF	2			
	Speed	RPM	1600		1640	
Outdoor noise level		dB(A)	66		67	68
Refrigerant	Type		R410A			
	Charge	oz	30	31	30	34
Recommended operation temperature range		°F	60-90			
Recommended ambient temperature range			50-115			
Application area		ft²	108-140	145-194	189-252	236-312
Net dimensions (W x H x D)		in.	42 x 15 15/16 x 21 3/8			
Packing dimensions (W x H x D)			45 1/4 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	99	108	110	119
	Ship		112	121	123	130
Loading Quantity (20' / 40' / 40' HQ)		units	72/152/190			

Note: Dimensions are approximate, within 1/16".

PTAC Product Specifications

High Efficiency Models
COOLING WITH ELECTRIC HEATER

iPTAC-CEH			07-X	09-X	12-X	15-X
Power Supply		V/Ph/Hz	208-230 / 1 / 60			
Cooling	Capacity	BTU/H	6800/7200	9300/9500	12280/12750	14300/14500
	EER	BTU/w.h	13/12.8	12.1/12.1	11.7/11.7	10.6/10.6
	DOE minimum EER		11.96/11.84	11.21/11.15	10.32/10.18	9.71/9.65
	Power Input	W	520/560	765/785	1050/1090	1345/1365
	Rated Current	A	2.6/2.5	3.8/3.6	5.3/4.9	6.3/5.9
Electric Heater		kW	230V 3kW			230V 5 kW
Power cable specification		A	240V / 20A			240V / 30A
Maximum input power		W	740	1040	1460	1760
Maximum current		A	3.9	5.1	7.3	8.9
Operation Control (optional)			Remote controller, wired controller, 24V thermostat or external controller			
Indoor fan motor	Input	W	55		64	
	Capacitor	uF	1.5			
	Speed (H/L)	RPM	750/650		1050/850	
Indoor air flow (H/L)		CFM	410/365		470/410	
Indoor noise level (H/L)		dB(A)	46/36		48/42	
Compressor	Type		Rotary			
	Capacitor	uF	15	20	40	
Outdoor fan motor	Input	W	95			100
	Capacitor	uF	3			
	Speed	RPM	1600			1680
Outdoor noise level		dB(A)	67			
Refrigerant	Type		R410A			
	Charge	oz	30	33	31	35
Recommended operation temperature range		ºF	60-90			
Recommended ambient temperature range			50-115			
Application area		ft²	<107	107-193		193-269
Net dimensions (W x H x D)		in.	42 x 15 15/16 x 21 3/8			
Packing dimensions (W x H x D)			45 1/4 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	97	100	108	110
	Ship		110	114	121	123
Loading Quantity (20' / 40' / 40' HQ)		units	72 / 152 / 190			

iPTAC-CEH			07-Z	09-Z	12-Z	15-Z
Power Supply		V/Ph/Hz	265 / 1 / 60			
Cooling	Capacity	BTU/H	7200	9500	12500	15000
	EER	BTU/w.h	12.3	12.1	11.7	10.4
	DOE minimum EER		11.84	11.15	10.25	9.5
	Power Input	W	585	785	1065	1435
	Rated Current	A	2.3	3.0	4.1	5.4
Electric Heater		kW	3			5
Power cable specification		A	277V / 20A			277V / 30A
Maximum input power		W	770	995	1400	1745
Maximum current		A	2.9	3.9	5	7
Operation Control (optional)			Remote controller, wired controller, 24V thermostat or external controller			
Indoor fan motor	Input	W	55		56	
	Capacitor	uF	1.2		1	
	Speed (H/L)	RPM	940/740		970/800	
Indoor air flow (H/L)		CFM	383/259		400/312	
Indoor noise level (H/L)		dB(A)	45/36		47/40	
Compressor	Type		Rotary			
	Capacitor	uF	15	25	30	25
Outdoor fan motor	Input	W	95			100
	Capacitor	uF	2			
	Speed	RPM	1600			1640
Outdoor noise level		dB(A)	66		67	68
Refrigerant	Type		R410A			
	Charge	oz	30	31	30	34
Recommended operation temperature range		ºF	60-90			
Recommended ambient temperature range			50-115			
Application area		ft²	113-150	150-201	198-264	236-312
Net dimensions (W x H x D)		in.	42 x 15 15/16 x 21 3/8			
Packing dimensions (W x H x D)			45 1/4 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	97	106	108	117
	Ship		110	119	121	128
Loading Quantity (20' / 40' / 40' HQ)		units	72 / 152 / 190			

Note: Dimensions are approximate, within 1/16".

Note: Dimensions are approximate, within 1/16".

PTAC Product Specifications

High Efficiency Models

HEAT PUMP WITH ELECTRIC HEATER

iPTAC-HEH			07-X	09-X	12-X	15-X
Power Supply		V/Ph/Hz	208-230 / 1 / 60			
Cooling	Capacity	BTU/H	6800/7200	9300/9500	12280/12750	14300/14500
	EER	BTU/w.h	13/12.8	12.1/12.1	11.7/11.7	10.6/10.6
	Power Input	W	520/560	765/785	1050/1090	1345/1365
	Rated Current	A	2.6/2.5	3.8/3.6	5.3/4.9	6.3/5.9
Heating	Capacity	BTU/H	6300/6400	8300/8500	11000/11400	13200/13600
	COP	W/W	3.55/3.54	3.55/3.51	3.52/3.51	3.36/3.38
	Power Input	W	520/530	685/710	915/950	1150/1180
	Rated Current	A	2.5/2.3	3.3/3.1	4.7/4.4	5.6/5.2
Electric Heater		kW	230V 3kW			230V 5 kW
Power cable specification		A	240V / 20A			240V / 30A
Maximum input power		W	740	1040	1460	1760
Maximum current		A	3.9	5.1	7.3	8.9
Operation Control (optional)			Remote controller, wired controller, 24V thermostat or external controller			
Indoor fan motor	Input	W	55		64	
	Capacitor	uF	1.5			
	Speed (H/L)	RPM	750/650		1050/850	
Indoor air flow (H/L)		CFM	410/365		470/410	
Indoor noise level (H/L)		dB(A)	46/36		48/42	
Compressor	Type		Rotary			
	Capacitor	uF	15	20	40	
Outdoor fan motor	Input	W	95		100	
	Capacitor	uF	3			
	Speed	RPM	1600		1680	
Outdoor noise level		dB(A)	67			
Refrigerant	Type		R410A			
	Charge	oz	30	33	31	35
Recommended operation temperature range		°F	60-90			
Recommended ambient temperature range		°F	50-115			
Application area		ft²	<107	107-193		193-269
Net dimensions (W x H x D)		in.	42 x 15 15/16 x 21 3/8			
Packing dimensions (W x H x D)		in.	45 1/4 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	97	100	108	110
	Ship	Lbs	110	114	121	123
Loading Quantity (20' / 40' / 40' HQ)		units	72 / 152 / 190			

Note: Dimensions are approximate, within 1/16¨.

iPTAC-HEH			07-Z	09-Z	12-Z	15-Z
Power Supply		V/Ph/Hz	265 / 1 / 60			
Cooling	Capacity	BTU/H	7200	9500	12500	15000
	EER	BTU/w.h	12.3	12.1	11.7	10.4
	Power Input	W	585	785	1065	1435
	Rated Current	A	2.3	3.0	4.1	5.4
Heating	Capacity	BTU/H	6100	8500	11400	14000
	COP	W/W	3.44	3.51	3.40	3.16
	Power Input	W	520	710	980	1300
	Rated Current	A	1.9	2.7	3.7	4.9
Electric Heater		kW	3			5
Power cable specification		A	277V / 20A			277V / 30A
Maximum input power		W	770	995	1400	1745
Maximum current		A	2.9	3.9	5	7
Operation Control (optional)			Remote controller, wired controller, 24V thermostat or external controller			
Indoor fan motor	Input	W	55		56	
	Capacitor	uF	1.2		1	
	Speed (H/L)	RPM	940/740		970/800	
Indoor air flow (H/L)		CFM	383/259		400/312	
Indoor noise level (H/L)		dB(A)	45/36		47/40	
Compressor	Type		Rotary			
	Capacitor	uF	15	25	30	25
Outdoor fan motor	Input	W	95		100	
	Capacitor	uF	2			
	Speed	RPM	1600		1640	
Outdoor noise level		dB(A)	66		67	68
Refrigerant	Type		R410A			
	Charge	oz	30	31	30	34
Recommended operation temperature range		°F	60-90			
Recommended ambient temperature range		°F	50-115			
Application area		ft²	113-150	150-201	198-264	236-312
Net dimensions (W x H x D)		in.	42 x 15 15/16 x 21 3/8			
Packing dimensions (W x H x D)		in.	45 1/4 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	99	108	110	119
	Ship	Lbs	112	121	123	130
Loading Quantity (20' / 40' / 40' HQ)		units	72 / 152 / 190			

Note: Dimensions are approximate, within 1/16¨.

VERANO®
BY MDL SOLUTIONS
COMPACT LOWER VOLTAGE FAN COILS AND HYDRONIC HEAT | MDLSOLN.COM

Electric Heater

Manual Fresh Air Vent

Front Discharge Louver

Wall Sleeve

Outdoor Coil

Control Panel

Rotary Compressor (ON-OFF)

Control Box

LCDI Power Cord 230V 15A/20A/30A

DOE LISTED

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SPTAC Standard Features

VERANO®
BY MDL SOLUTIONS
COMPACT LOWER VOLTAGE FAN COILS AND HYDRONIC HEAT | MDLSOLN.COM

1 | ### HIGH ENERGY EFFICIENCIES
Units meet or exceed current DOE energy efficiency requirements.

2 | ### COMPACT DESIGN
Standard 26" wide x 15 9/16" high x 21 9/16" deep overall size to accommodate industry standard wall sleeves.

3 | ### COMBINED PANEL AND BI-DIRECTIONAL AIR ADJUSTMENT
Newly designed front panel allows easy access to the air filter and control panel. Furthermore, the front louver can be adjusted to discharge air from 15-55° vertically.

4 | ### SELF DIAGNOSTIC
Unit will perform self diagnostics and display appropriate error code which will be shown on LED display.

5 | ### RAPID HEAT MODE
When in Rapid Heat Mode electric heat will be engaged to raise the room temperature quickly. When room temperature is met, the unit will revert to standard heat pump mode.

6 | ### QUIET OPERATION
The indoor fan operates quietly with three speeds to choose from. The outdoor fan operates with two speeds. The compressor is acoustically isolated to minimize sound transmittance to the occupied space. Sleep mode allows the fan to operate at low speed while delivering comfort and energy savings.

7 | ### OPTIMIZED OUTDOOR FAN OPERATION
While in cooling mode, the outdoor axial blower will direct condensate across the face of the condenser coil, resulting in increased operating efficiency.

8 | ### EASY INSTALLATION AND MAINTENANCE
Filters are easily accessed for cleaning.
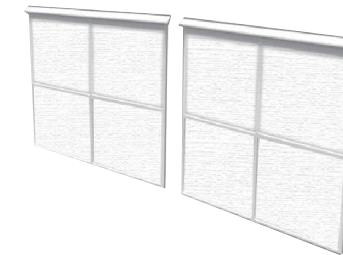
9 | ### USER FRIENDLY CONTROLLER
Standard onboard control panel shown as below. Compatible with remote controller.

SPTAC Standard Features

10 | ### ENERGY SAVER MODE (AUTO FAN)
When auto fan mode is selected, the unit will automatically choose the optimal running speed for energy saving.

11 | ### FAN CYCLE SWITCH
When the unit is ON the fan will run continuously. In auto mode, the fan will be turned on or off according to the operating status of compressor and electric heater.

12 | ### DUAL FAN MOTORS
All SPTAC units have two fan motors with quiet operation and maximum efficiency. Motors are permanently lubricated to reduce maintenance and totally enclosed to keep dirt and water out of the motor windings.

13 | ### SLIDE OUT CHASSIS
Chassis can slide in and out of the wall sleeve for ease of installation or maintenance.

14 | ### OPERATION MEMORY RESTART AFTER POWER FAILURE
The unit setting before any power outage will be memorized and resume after power supply restarts.

15 | ### CONTINUOUS FRESH AIR INTAKE
Fresh air is drawn into the SPTAC unit through a manually set fresh air vent.

INSULATED WALL SLEEVE

• Industry standard dimensions of 26" width x 15 3/4" height x 16 13/16" depth.
• Sleeves may be shipped folded for more efficient packing.
• Upon request, wall sleeves can be provided with or without foam insulation.

OUTDOOR GRILLES

• Stamped aluminum grille to attach to wall sleeve.

OPTIONAL CONTROLLER

• To use additionally to the standard control panel on the unit.

Remote controller
(works with control panel)

SPTAC Product Specifications

COOLING WITH ELECTRIC HEATER

SPTAC-CEH			09-X	12-X
Power Supply		V/Ph/Hz	208-230 / 1 / 60	
Cooling	Capacity	BTU/H	9400/9300	11800/116000
	EER	BTU/w.h	10.0/10.2	10.0/10.1
	Power Input	W	940/910	1185/1145
	Rated Current	A	4.1/4.4	5.2/5.6
Electric Heater		kW	230V 3.4kW	
Indoor air flow (H)		CFM	271	
Indoor noise level (H)		dB(A)	60	
Compressor	Type		Rotary	
Refrigerant	Type		R410A	
	Charge	oz	20	21
Recommended operation temperature range		°F	60-90	
Recommended ambient temperature range			50-115	
Net dimensions (W x H x D)		in.	26 x 15 9/16 x 21 9/16	
Packing dimensions (W x H x D)			30 1/8 x 18 7/8 x 24 13/16	
Unit Weight	Net	Lbs	83	84
	Ship		93	94
Loading Quantity (20' / 40' / 40' HQ)		units	108 / 216 / 285	

COOLING ONLY

SPTAC-CO			09-X	12-X	09-Y	12-Y
Power Supply		V/Ph/Hz	208-230 / 1 / 60		115 / 1 / 60	
Cooling	Capacity	BTU/H	9400/9300	11800/11600	9000	11800
	EER	BTU/w.h	10.0/10.2	10.0/10.1	9.8	9.8
	Power Input	W	940/910	1185/1145	920	1200
	Rated Current	A	4.1/4.4	5.2/5.6	8.1	10.6
Indoor air flow (H)		CFM	271		288	
Indoor noise level (H/L)		dB(A)	60		59	
Compressor	Type		Rotary			
Refrigerant	Type		R410A			
	Charge	oz	20	21	19	29
Recommended operation temperature range		°F	60-90			
Recommended ambient temperature range			50-115			
Net dimensions (W x H x D)		in.	26 x 15 9/16 x 21 9/16			
Packing dimensions (W x H x D)			30 1/8 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	80	82	80	84
	Ship		90	91	90	94
Loading Quantity (20' / 40' / 40' HQ)		units	108 / 216 / 285			

Note: Dimensions are approximate, within 1/16".

HEAT PUMP WITH ELECTRIC HEATER

SPTAC-HEH			07-X	09-X	12-X	09-Y
Power Supply		V/Ph/Hz	208-230 / 1 / 60			115 / 1 / 60
Cooling	Capacity	BTU/H	7400/7200	9300/9100	11700/11500	9000
	EER	BTU/w.h	10.3/10.6	9.9/10.0	9.6/9.6	9.8
	Power Input	W	720/680	940/910	1220/1200	920
	Rated Current	A	3.2/3.4	4.1/4.4	5.6/6.1	8.1
Heating	Capacity	BTU/H	6800/6600	8800/8600	11400/11200	8500
	COP	W/W	3.1/3.1	3.1/3.1	2.9/2.9	3.1
	Power Input	W	640/620	830/810	1160/1140	805
	Rated Current	A	2.8/3.0	3.6/3.9	5.4/5.9	7.1
Electric Heater		kW	230V 3.4kW			115V 1.2kW
Indoor air flow (H)		CFM	271		271	
Indoor noise level (H)		dB(A)	60		59	
Compressor	Type		Rotary			
Refrigerant	Type		R410A			
	Charge	oz	18	20	32	19
Recommended operation temperature range		°F	60-90			
Recommended ambient temperature range			50-115			
Net dimensions (W x H x D)		in.	26 x 15 9/16 x 21 9/16			
Packing dimensions (W x H x D)			30 1/8 x 18 7/8 x 24 13/16			
Unit Weight	Net	Lbs	84	84	97	84
	Ship		94	94	110	94
Loading Quantity (20' / 40' / 40' HQ)		units	108 / 216 / 285			

Note: Dimensions are approximate, within 1/16".

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VTAC Standard Features

1 HIGH ENERGY EFFICIENCIES

Efficient design with EER as high as 12.1 and COP of 3.55 exceeding current DOE requirements.

2 CAPABLE OF REPLACING OTHER BRANDS

Our VTAC units can be used as replacements for other manufacturers. Its size of 23"W x 32"H x 23"D and its slide-out chassis makes installation easy.

3 COMPRESSOR AND EVAPORATOR FREEZE PROTECTION

Temperature sensors are used to detect if the compressor or evaporator is too cold and then signal to stop the operation of the unit.

4 SELF DIAGNOSTIC

Unit will perform self diagnostics and display appropriate error code.

5 RAPID HEAT MODE

When in Rapid Heat Mode electric heat will be engaged to raise the room temperature quickly. When room temperature is met, the unit will revert to standard heat pump mode.

6 FACTORY TESTED

All units are thoroughly tested before shipping to ensure proper functionality.

7 QUIET OPERATION

The brushless DC motor design operates quietly with a stepless configuration and stable operation.

8 TWO-STAGE ELECTRIC HEATER

The electric heater is installed on the indoor air outlet to prevent insufficient air volume and internal overheating.

9 FLEXIBILITY

Our vertical design saves space compared to traditional PTAC units. With its external air duct, one unit can supply conditioned air to several rooms.

10 QUIET AND ENERGY EFFICIENT COMPRESSOR

Smooth operation for quiet, dependable service and high efficiency.

11 SUPERIOR TEMPERATURE CONTROL

Microprocessor controls are programmed to interface with the temperature sensors to maximize comfort conditions for the room occupant and provide outstanding features.

12 OPERATION MEMORY RESTART AFTER POWER FAILURE

The unit setting before any power outage will be memorized and resume after power supply restarts.

VTAC Standard Features

13 | ### FRONT DESK CONTROL

The VTAC unit can be turned ON or OFF by front desk control before the tenant moves into the room or after leaving the room.

14 | ### DUAL FAN MOTORS

All VTAC units have two fan motors with quiet operation and maximum efficiency. Motors are permanently lubricated to reduce maintenance and totally enclosed to keep dirt and water out of the motor windings.

15 | ### CONTINUOUS FRESH AIR INTAKE

Fresh air is drawn into the VTAC unit through a manually set fresh air vent.

VTAC Accessories

18 GAUGE WALL PLENUM

• Industry standard dimensions of 19 3/4" wide x 32" high.
• The depth of the plenum is adjustable from 6" to 15" deep.

OUTDOOR GRILLES

• Architectural grille with a minimum size of 19 3/4" wide x 32" high x 1 1/4" deep.

OPTIONAL CONTROLLER

• 24V wired thermostat or external controller.

Standard Models

HEAT PUMP WITH ELECTRIC HEATER

VTAC-HEH			09-X	12-X	18-X
Power Supply		V/Ph/Hz	208-230 / 1 / 60		
Cooling	Capacity	BTU/H	9300/9100	11700/11500	17000/16800
	EER	BTU/w.h	12.1/12.1	11.8/11.8	11.0/11.0
	Power Input	W	770/750	990/975	1545/1525
Heating	Capacity	BTU/H	8500/8300	10500/10300	15700/15500
	COP	W/W	3.51/3.55	3.50/3.50	3.30/3.30
	Power Input	W	710/685	880/860	1395/1375
Electric Heater		kW	3.6		5
Power cable specification		A	230V / 20A		230V / 30A
Maximum input power		W	917	1332	1800
Maximum current		A	4.80	7.59	11.63
Operation Control (optional)			24V thermostat or external controller		
Indoor fan motor	Input	W	130		
	Speed (H/L)	RPM	630/530		
Indoor air flow (H/L)		CFM	355/257	456/371	436/355
Indoor external static pressure		in.wg	0.1		
Compressor	Type		Rotary On-Off		
	Capacitor	uF / VAC	25 / 370	30 / 370	35 / 370
Outdoor fan motor	Input	W	89		
	Speed	RPM	1200		
Refrigerant	Type		R410A		
	Charge	oz	37	34	45
Recommended operation temperature range		°F	60-90		
Recommended ambient temperature range			35 - 115		
Net dimensions (W x H x D)		in.	22 13/16 x 29 5/16 x 22 13/16		
Packing dimensions (W x H x D)			26 3/16 x 32 1/4 x 26 3/16		
Unit Weight	Net	Lbs	116	121	132
	Ship		135	140	151
Loading Quantity (20' / 40' / 40' HQ)		units	48/102/102		

ESP VS AIR FLOW SPECIFICATIONS

VTAC-HEH			09-X				
ESP (in. water)			0.0	0.1	0.2	0.3	0.4
Indoor Fan	High Fan	CFM	418	355	273	-	-
	Low Fan		342	257	257	-	-
VTAC-HEH			12-X				
ESP (in. water)			0.0	0.1	0.2	0.3	0.4
Indoor Fan	High Fan	CFM	515	456	386	295	-
	Low Fan		435	371	276	-	-
VTAC-HEH			18-X				
ESP (in. water)			0.0	0.1	0.2	0.3	0.4
Indoor Fan	High Fan	CFM	500	436	363	290	-
	Low Fan		417	355	273	-	-

Note: Dimensions are approximate, within 1/16″.

Note: All the information or data in this catalogue may be changed without notice.