CALM Series

410A

INDUSTRY STANDARD SLEEVE **16 x 42”**

Applied Comfort

Packaged Terminal AIR CONDITIONERS

Technology Options

C42 fixed amperage

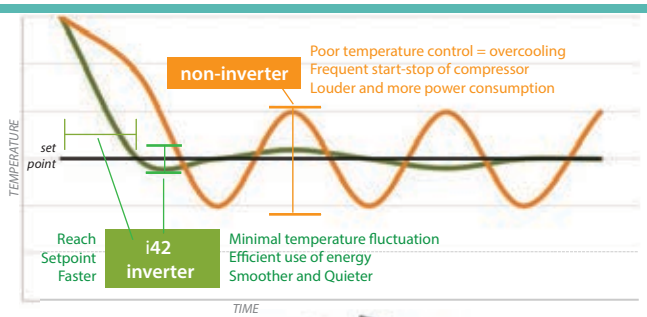
Fixed Cord/Amperage
-- non-inverter chassis in 20amp and 30amp fixed cord configurations.

U42 flexible amperage

Flexible Amperage/Heater
-- non-inverter chassis, flexible to use 15, 20, or 30A cords for 2, 3 or 5kW of electric heat.

i42 inverter

Highest Efficiency & Incredibly Quiet
-- modulating inverter chassis for quiet industry leading efficiency.



Dependable by Design.

Premium Components -- components are carefully selected and integrated into designs to provide exceptional reliability, durability, low sound, and long-life.

Loaded with Features.

Easy to Configure -- dipswitches and simple LED touchpad controls make versatile chassis easy to configure to specific applications.

Room Freeze Protection -- automatically maintains room above freezing.

Front Desk Ready -- front desk control by standard 24 VAC signals.

Fan Cycle Control -- select continuous fan or fan cycling.

Electronic Temperature Limiting -- flexible heat and cool range limits.

Filtered Fresh Air Intake -- by concealed manual control.

Random Compressor Restart -- prevent power surges after power outages.

Electronic Defrost Control -- more run time in the heat pump mode.

SIX YEAR WARRANTY*

* 1ST YEAR PARTS AND LABOR
2ND TO 6TH YEAR COMPRESSOR PARTS
FREE PARTS SHIPPING
OPTIONAL 6 YEAR COMPRESSOR LABOR

Accessories.

Stamped Grille - durable light-weight aluminum
Architectural Grille - aluminum louvers+ high tensile rods.
Wall Sleeve Foldable - insulated powder-coated galvanized steel
Wall Sleeve Assembled - insulated powder-coated galvanized steel
Duct Kit - insulated powder-coated galvanized steel
Sub-Base - powder-coated galvanized steel
Wall Thermostats - wireless & wired
Drain Kit






Distributed by:

C42 fixed amperage

INDUSTRY STANDARD SLEEVE **16 x 42”**

Fixed Cord/Amperage -- non-inverter chassis.

The c42 is new PTAC Series with durability and ease-of-service as the drivers of engineering design.

c42 has a new large indoor cross-flow fan designed to produce both higher static pressure airflow, and class-leading sound characteristics.

A new room enclosure was designed for a modern subtle clean look, with durability in mind, and for easy access to filters on the tilt-out filter door.

C42EC Air Conditioner with Electric Resistance Heat

			Cooling					Reverse-Cycle Heat		Resistance Heat			Min. Circuit	MOP* Fuse	Electrical Plug	Indoor dB(A)	Indoor CFM	Vent	Wt.lbs.
Model	Voltage	Hz	BTU/Hr.	EER	Amps	Watts	Pts/hr.	BTU/Hr.	COP	BTU/Hr.	kW	Amps	Amps	Amps	(NEMA)	H/L	H/L°	CFM	Nt/Grss
C42EC07K00E6	230-208	60	7200/7000	12	2.8/2.6	600/585	1.0	NA	NA	N/A	N/A	N/A	3.5	15	#6-15P	43/35	352/323	50	97/113
C42EC07K25E6	"	"	"	"	"	"	"	"	"	8600/7100	2.5/2.1	11.6/10.5	14.4	"	"	"	"	"	"
C42EC07K30E7	"	"	"	"	"	"	"	"	"	10236/8372	3.0/2.8	13.2/12.2	16.5	20	#6-20P	"	"	"	"
C42EC09K00E6	"	"	9200/9000	12	3.7/3.3	765/750	1.3	"	"	N/A	N/A	N/A	3.7	15	#6-15P	43/35	352/323	50	106/119
C42EC09K25E6	"	"	"	"	"	"	"	"	"	8600/7100	2.5/2.1	11.6/10.5	14.4	"	"	"	"	"	"
C42EC09K36E7	"	"	"	"	"	"	"	"	"	12280/10130	3.6/3.3	17.5/15.8	19.1	20	#6-20P	"	"	"	"
C42EC12K00E6	"	"	12200/12000	11.1	5.2/4.8	1100/1080	2.5	"	"	N/A	N/A	N/A	5.2	15	#6-15P	44/36	405/333	75	108/121
C42EC12K25E6	"	"	"	"	"	"	"	"	"	8600/7100	2.5/2.1	11.6/10.5	14.4	"	"	"	"	"	"
C42EC12K36E7	"	"	"	"	"	"	"	"	"	12280/10130	3.6/3.3	17.5/15.8	19.1	20	#6-20P	"	"	"	"
C42EC12K50E8	"	"	"	"	"	"	"	"	"	17000/13900	5.0/4.1	22.4/20.4	28	30	#6-30P	"	"	"	"
C42EC15K00E6	"	"	14900/14700	10.5	6.8/6.0	1420/1400	3.4	"	"	N/A	N/A	N/A	6.8	15	#6-15P	44/36	405/333	75	110/123
C42EC15K25E6	"	"	"	"	"	"	"	"	"	8600/7100	2.5/2.1	11.6/10.5	14.4	"	"	"	"	"	"
C42EC15K36E7	"	"	"	"	"	"	"	"	"	12280/10130	3.6/3.3	17.5/15.8	19.1	20	#6-20P	"	"	"	"
C42EC15K50E8	"	"	"	"	"	"	"	"	"	17000/13900	5.0/4.1	22.4/20.4	28	30	#6-30P	"	"	"	"
C42EC07R00E2	277	"	7000	12.1	2.3	580	1.0	"	"	N/A	N/A	N/A	2.3	15	#7-20P	43/35	352/323	50	97/113
C42EC07R20E2	"	"	"	"	"	"	"	"	"	7200	2.0	8.0	9.9	"	"	"	"	"	"
C42EC07R30E2	"	"	"	"	"	"	"	"	"	10600	3.0	11.6	14.7	"	"	"	"	"	"
C42EC09R00E2	"	"	9000	11.3	3.1	795	1.5	"	"	N/A	N/A	N/A	3.1	"	"	"	"	"	106/119
C42EC09R20E2	"	"	"	"	"	"	"	"	"	7200	2.0	8.0	9.9	"	"	"	"	"	"
C42EC09R30E2	"	"	"	"	"	"	"	"	"	10600	3.0	11.6	14.7	"	"	"	"	"	"
C42EC12R00E2	"	"	12000	10.3	4.5	1154	2.8	"	"	N/A	N/A	N/A	4.5	"	"	44/36	405/333	75	108/121
C42EC12R20E2	"	"	"	"	"	"	"	"	"	7200	2.0	8.0	9.9	"	"	"	"	"	"
C42EC12R30E2	"	"	"	"	"	"	"	"	"	10600	3.0	11.6	14.7	"	"	"	"	"	"
C42EC15R00E2	"	"	15000	9.6	5.8	1560	4.2	"	"	N/A	N/A	N/A	5.8	"	"	"	"	"	110/123
C42EC15R20E2	"	"	"	"	"	"	"	"	"	7200	2.0	8.0	9.9	"	"	"	"	"	"
C42EC15R30E2	"	"	"	"	"	"	"	"	"	10600	3.0	11.6	14.7	"	"	"	"	"	"
C42EC15R50EN	"	"	"	"	"	"	"	"	"	17000	5.0	19.6	24.7	30	hard-wire	"	"	"	"

C42HC Heat Pump with Electric Resistance Backup Heat

			Cooling					Reverse-Cycle Heat		Resistance Heat			Min. Circuit	MOP* Fuse	Electrical Plug	Indoor dB(A)	Indoor CFM	Vent	Wt.lbs.
Model	Voltage	Hz	BTU/Hr.	EER	Amps	Watts	Pts/hr.	BTU/Hr.	COP	BTU/Hr.	kW	Amps	Amps	Amps	(NEMA)	H/L	H/L°	CFM	Nt/Grss
C42HC07K25E6	230-208	60	7200/7000	12	2.8/2.6	600/585	1.0	6200/6000	3.4	8600/7100	2.5/2.1	11.6/10.5	14.4	15	#6-15P	43/35	352/323	50	98/114
C42HC07K30E7	"	"	"	"	"	"	"	"	"	10236/8372	3.0/2.8	13.2/12.2	16.5	20	#6-20P	"	"	"	"
C42HC09K25E6	"	"	9200/9000	12	3.7/3.3	765/750	1.3	8700/8500	3.5	8600/7100	2.5/2.1	11.6/10.5	14.4	"	#6-15P	43/35	352/323	50	107/120
C42HC09K36E7	"	"	"	"	"	"	"	"	"	12280/10130	3.6/3.3	17.5/15.8	19.1	20	#6-20P	"	"	"	"
C42HC12K25E6	"	"	12200/12000	11.1	5.2/4.8	1100/1080	2.5	11200/11000	3.4	8600/7100	2.5/2.1	11.6/10.5	14.4	15	#6-15P	44/36	405/333	75	109/122
C42HC12K36E7	"	"	"	"	"	"	"	"	"	12280/10130	3.6/3.3	17.5/15.8	19.1	20	#6-20P	"	"	"	"
C42HC12K50E8	"	"	"	"	"	"	"	"	"	17000/13900	5.0/4.1	22.4/20.4	28	30	#6-30P	"	"	"	"
C42HC15K25E6	"	"	14900/14700	10.5	6.8/6.0	1420/1400	3.4	14200/14000	3.4	8600/7100	2.5/2.1	11.6/10.5	14.4	15	#6-15P	44/36	405/333	75	111/124
C42HC15K36E7	"	"	"	"	"	"	"	"	"	12280/10130	3.6/3.3	17.5/15.8	19.1	20	#6-20P	"	"	"	"
C42HC15K50E8	"	"	"	"	"	"	"	"	"	17000/13900	5.0/4.1	22.4/20.4	28	30	#6-30P	"	"	"	"
C42HC07R30E2	277	"	7000	12.1	2.3	580	1.0	6000	3.4	10600	3.0	11.6	14.7	15	#7-20P	43/35	352/323	50	98/114
C42HC09R30E2	"	"	9000	11.3	3.1	795	1.5	8000	3.3	"	"	"	"	"	"	"	"	"	107/120
C42HC12R30E2	"	"	12000	10.3	4.5	1154	2.8	11000	3.1	"	"	"	"	"	"	44/36	405/333	75	109/122
C42HC15R30E2	"	"	15000	9.6	5.8	1560	4.2	14000	3	"	"	"	"	"	"	"	"	"	111/124
C42HC15R50EN	"	"	"	"	"	"	"	"	"	17000	5.0	19.6	24.7	30	hard-wire	"	"	"	"

*Time Delay Fuse or HCAR Circuit Breaker ---- °Dry Coil

Specifications Subject to Change Without Notice

U42 flexible amperage

Flexible Amperage/Heater -- non-inverter flexible chassis, accepts 15, 20, 30A cords for 2, 3 or 5kW of electric heat. Chassis and power cord are purchased separately.

INDUSTRY STANDARD SLEEVE **16 x 42”**

The u42 is new PTAC Series with durability and ease-of-service as the drivers of engineering design.

A new room enclosure for a modern subtle clean look, with durability in mind, and for easy access to filters on the tilt-out filter door.

u42 has a new large cross-flow fan with higher static pressure airflow, and class-leading sound characteristics.

2.0, 3.0, or 5.0 kW electric heat is determined by power cord ordered separately.

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U42EC Air Conditioner with Electric Resistance Heat

Voltage	Hz	Model	Cooling					Reverse-Cycle Heat		Electric Heat kW OPTIONS			Indoor dB(A) H/L	Indoor CFM H/L°	Vent CFM	Wt.lbs. Nt/Grss
			BTU/Hr.	EER	Amps	Watts	Pts/hr.	BTU/Hr.	COP	2.0	3.0	5.0				
230-208	60	U42EC07KxxE	7200/6800	11.9/11.9	2.7/2.8	600/570	0.6	NA	NA	YES	YES	NO	43/35	352/250	50	112/132
"	"	U42EC09KxxE	9500/9300	11.4/11.7	3.7/3.9	835/795	1.3	"	"	YES	YES	NO	"	"	"	"
"	"	U42EC12KxxE	12200/11800	10.5/10.7	5.1/5.4	1140/1100	2.4	"	"	YES	YES	YES	44/36	405/333	75	116/137
"	"	U42EC15KxxE	14500/14300	10.2/10.2	6.3/6.8	1420/1400	3.6	"	"	YES	YES	YES	"	"	"	118/139
265	"	U42EC07RxxE	7000	12.1	2.3	580	0.6	"	"	YES	YES	NO	43/35	388/265	50	112/132
"	"	U42EC09RxxE	9200	11.5	3.2	800	1.3	"	"	YES	YES	NO	"	382/259	"	112/132
"	"	U42EC12RxxE	12000	10.6	4.3	1130	2.4	"	"	YES	YES	YES	44/36	400/312	75	116/137
"	"	U42EC15RxxE	15000	10.5	5.4	1425	3.6	"	"	YES	YES	YES	"	"	"	118/139

*Time Delay Fuse or HCAR Circuit Breaker ---- °Dry Coil

U42HC Heat Pump with Electric Resistance Backup Heat

Voltage	Hz	Model	Cooling					Reverse-Cycle Heat		Electric Heat kW OPTIONS			Indoor dB(A) H/L	Indoor CFM H/L°	Vent CFM	Wt.lbs. Nt/Grss
			BTU/Hr.	EER	Amps	Watts	Pts/hr.	BTU/Hr.	COP	2.0	3.0	5.0				
230-208	60	U42HC07KxxE	7200/6800	11.9/11.9	2.7/2.8	605/570	0.6	6400/6100	3.3/3.3	YES	YES	NO	43/35	352/250	50	113/133
"	"	U42HC09KxxE	9500/9300	11.4/11.7	3.7/3.9	835/795	1.3	8500/8300	3.5/3.55	YES	YES	NO	"	"	"	"
"	"	U42HC12KxxE	12200/11800	10.5/10.7	5.1/5.4	1140/1100	2.4	11000/11800	3.4/3.5	YES	YES	YES	44/36	405/333	75	117/138
"	"	U42HC15KxxE	14500/14300	10.2/10.2	6.3/6.8	1420/1400	3.6	13600/13200	3.4/3.3	YES	YES	YES	"	"	"	119/140
265	"	U42HC07RxxE	7000	12.1	2.3	580	0.6	6100	3.4	YES	YES	NO	43/35	388/265	50	113/133
"	"	U42HC09RxxE	9200	11.5	3.2	800	1.3	8500	3.5	YES	YES	NO	"	382/259	"	"
"	"	U42HC12RxxE	12000	10.6	4.3	1130	2.4	11400	3.3	YES	YES	YES	44/36	400/312	75	117/138
"	"	U42HC15RxxE	15000	10.5	5.4	1425	3.6	14000	3.2	YES	YES	YES	"	"	"	119/140

*Time Delay Fuse or HCAR Circuit Breaker ---- °Dry Coil

U42EC/U42HC Electric Heat Output -- Power Cord Selection Chart

Power Cord Selection: CALM U42 PTACs and PTHP's are not equipped with a power cord. A power cord MUST be purchased separately based on the voltage and amperage of the electrical circuit. Electric heating capacity of the chassis will be determined by the power cord which is selected separately. 30 Amp cords must not be used with 7000 or 9000 BTU/Hr. units.

Voltage	Hz	Part Number of Power Cord	Electric Heat kW OPTIONS	*MOP Amps	Heating BTU/Hr.	kW at Rated Voltages	Total Heating Amps
230-208	60	ACC42POWER15A	2.0	15	6500/5500	2.0/1.65	9.0/8.2
"	"	ACC42POWER20A	3.0	20	10200/8300	3.0/2.45	13.2/12.0
"	"	ACC42POWER30A	5.0	30	1700/13900	5.0/4.10	21.9/19.8
265	"	ACC42POWER15A-277V	2.0	15	6800	2.0	7.8
"	"	ACC42POWER20A-277V	3.0	15	10200	3.0	11.5
"	"	ACC42POWER30A-277V	5.0	25	17000	5.0	19.1

*Maximum Overcurrent Protection // Branch Circuit Fuse Amps

Applied Comfort

Specifications Subject to Change Without Notice

i42 inverter

INDUSTRY STANDARD SLEEVE
16 x 42”

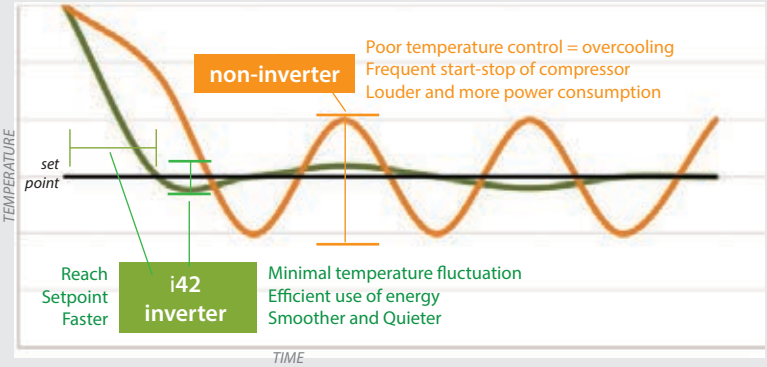
Applied Comfort

Highest Efficiency
-- in real-world conditions the modulating inverter chassis means that the inefficient start/stop of the compressor is eliminated.

Consistent Dehumidification
-- modulating inverter technology ensures a cold condensing evaporator coil in part-load to keep comfortable humidity levels, eliminating clamminess in humid conditions.

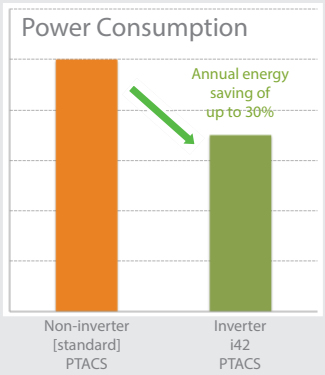
Incredibly Quiet
-- inverter compressor, condensor fan, and evaporator fan slow to match cooling and heating demand of room, reducing operating sound levels.
-- elimination of compressor start/stop means the room is much quieter in part-load conditions

i42 : The Benefits of Inverter Technology



Non-inverter PTACS
run the compressor at full RPM or zero RPM (on or off) -- the on/off compressor cycling in part-laod conditions wastes substantial amounts of electric power

i42 Inverter PTACS
slow the compressor RPM to match the part-load cooling or heating power required -- a substantial reduction in power consumption occurs



The i42 Inverter Heatpump incorporates state-of-the-art INVERTER technology not found in any other PTAC, yet it fits into standard 16 x 42” PTAC sleeves. The i42 is the culmination of years of research to develop a PTAC to clearly lead the market with the lowest energy consumption, most consistent dehumidification, best conditioned air, and the lowest sound levels.

Although published EER’s will be similar to other PTACs, based on laboratory testing simulating real-world installations, up to a 30% reduction in energy consumption can be expected with the Applied Comfort i42 when compared to other PTACs!

Dramatic energy savings and sound reduction is achieved by modulating the output of the PTAC to match the cooling or heating demands of the room, eliminating costly and noisy compressor cycling.

Applied Comfort Products Inc.
TRUSTED MANUFACTURER OF HIGH QUALITY Packaged Terminal Air Conditioners
1 877 227 7822
sales@ptacs.com

i42 inverter — INVERTER HEATPUMP PTHP Series

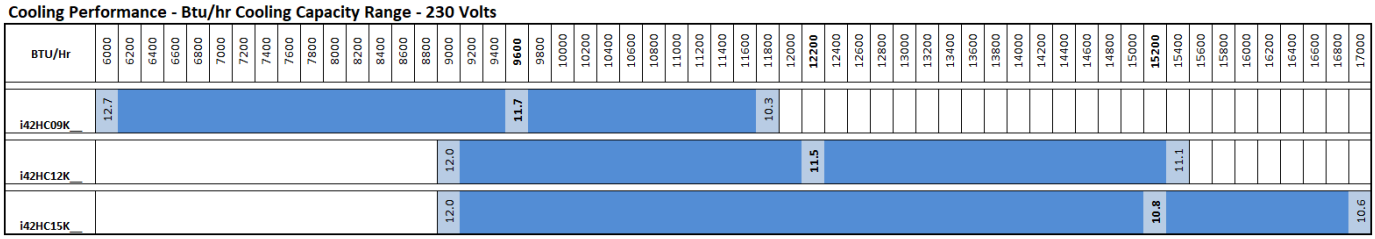
i42 inverter uses advanced inverter control with Mitsubishi inverter compressors to provide the highest efficiency cooling and heating, lowest noise levels, and the best temperature and humidity control under part-load conditions. **i42 inverter** is engineered to modulate it's components to eliminate inefficient 'cycling' on and off of the compressor, reduce power consumption under part-load demand, and maintain a consistent evaporator condensing surface for humidity control.

i42 inverter PTHP are manufactured with a power-cord attached to the chassis.

230/208V	i42 -- Heat Pump with Electric Backup Heat			
	i42HC09K36E8	**i42HC12K36E7**	**i42HC15K36E7**	**i42HC15K50E8**
LCDI Plug	NEMA #6-20P **20Amp**	NEMA #6-20P **20Amp**	NEMA #6-20P **20Amp**	NEMA #6-30P **30Amp**
Cooling BTUH Operating Range (**)	9600 / 9400	12200 / 12200	15200 / 15000	15200 / 15000
EER Range (**)	11.7 / 11.7	11.5 / 11.5	10.8 / 10.8	10.8 / 10.8
Dehumid. Pints/hr **	1.1 / 1.3	1.8 / 2.1	3.4 / 3.8	3.4 / 3.8
Minimum Circuit Amps Cooling	19.9	19.9	19.9	27.4
Reverse-cycle Heating BTUH (**)	8800 / 8500	11900 / 11800	13800 / 13600	13800 / 13600
C.O.P.	3.6 / 3.6	3.6 / 3.6	3.5 / 3.4	3.5 / 3.4
Heat Pump Amps **	3.1 / 3.4	4.3 / 4.7	5.1 / 5.5	5.1 / 5.5
Heat Pump Watts **	720 / 695	970 / 960	1170 / 1160	1170 / 1160
Backup Electric Heat kW	3.6	3.6	3.6	5
Airflow CFM (Hi/Lo)	420 / 290	470 / 360	470 / 360	470 / 360
Indoor Sound dB(A) (Hi/Lo)	50 / 42	52 / 46	52 / 46	52 / 46
Outdoor Sound dB(A)	67	68	68	68
Net Wt./Ship Wt. lb	106 / 119	110 / 123	110 / 123	110 / 123

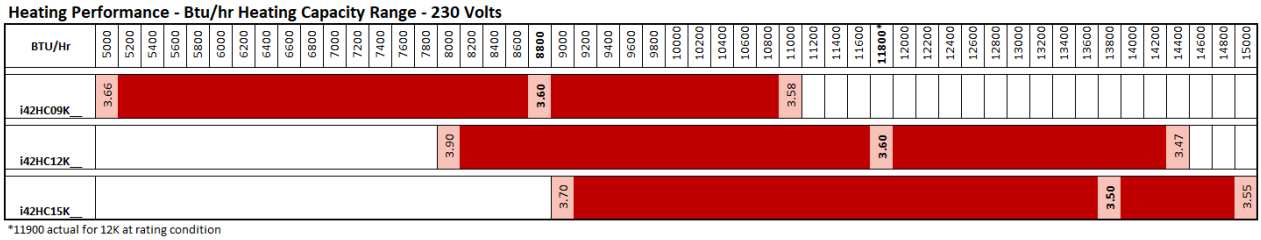
*** Although the i42 is a variable output (inverter) PTAC, ASHRAE test for PTACs are at only a static output. The data corresponding to ** were generated by programming the chassis to be static BTU/hr output (non-variable). All data was collected as standard test conditions.*

Cooling Performance - Btu/hr Cooling Capacity Range - 230 Volts



XX.X = EER measured at Normal Rating Conditions. Outdoor air termpearture (°C//°F): DB 35//95; WB 23.9//75. Indoor Air Temperature (°C//°F): DB 26.7//80; WB 19.4//67

Heating Performance - Btu/hr Heating Capacity Range - 230 Volts



*11900 actual for 12K at rating condition

XX.X = COP measured at Normal Rating Conditions. Outdoor air termpearture (°C//°F): DB 8.3//47; WB 6.1//43. Indoor Air Temperature (°C//°F): DB 21.1//70; WB 15.6//60

Specifications Subject to Change Without Notice

See other CALM Series Solutions from Applied Comfort: www.ptacs.com

U42 flexible amperage
Flexible Amperage/Heater
-- non-inverter chassis, flexible to use
15, 20, or 30amp cords for 2, 3 or 5kW of electric heat.

C42 fixed amperage
Fixed Cord/Amperage
-- non-inverter chassis
in 20amp and 30amp fixed cord configurations.