Job Name: _____ Location: _____

Purchaser: _____ P.O. No.: _____

Engineer: _____ Architect: _____

Submitted To: _____ Date: _____

Submitted By: _____ For: ☐ Reference ☐ Approval ☐ Construction

Unit Designation: Schedule No.: _____ Model No.: _____

Submittal Data: PTAC INVERTER Air Conditioner
i42EC15K00E -- Corded Chassis

Applied COMFORT

Standard Features:

Mitsubishi INVERTER Variable Speed Compressor

Ultra Quiet Operation -- compressor and indoor fan automatically slow down to match cooling and heating demand.
-- in part-load conditions, the i42 Inverter is quieter than any other PTAC !

High Energy Efficiency -- part-load energy consumption is much lower than normal PTACs

Constant Humdity Control -- the evaporator surface remains 'active' under part-load conditions ensuring constant humidity control

Precise Temperature Control -- modulating chassis reduces output to match demand, and maintain precise temperature control

Digital Control Display -- Temperature Display on unit.

Blue Fin Anti-corrosion Treatment for Condenser

Auto Restart

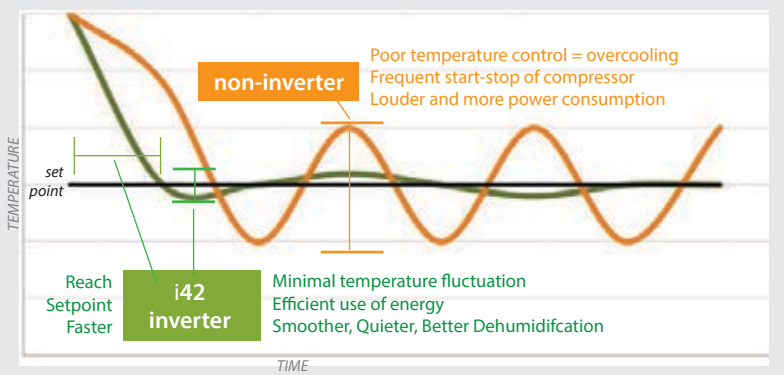
Room Freeze Protection

Dip Switch setting for temperature limiting

Fresh Air Ventilation, 70 CFM @ 0.3 ESP with Open Damper Door

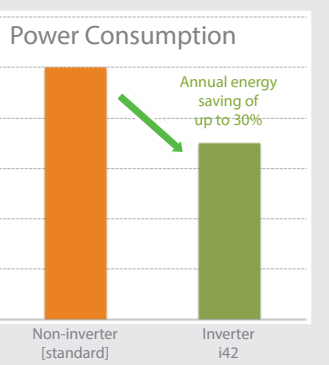
Standard Warranty:
-- One Year Full System Comprehensive Parts and Labor
-- 2nd to 6th Year Sealed Refrigerant System Parts including compressor
-- Shipping of Parts is covered to any location in North America

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



Applied Comfort Products
1210 Balmoral Road, Cambridge, Ontario, Canada, N1H 6H8 // www.ptacs.com

Submittal Data: INVERTER PTAC - 230/208V (R-410A)

i 42 inverter
advanced modulating inverter

i42EC INVERTER Air Conditioner PTAC

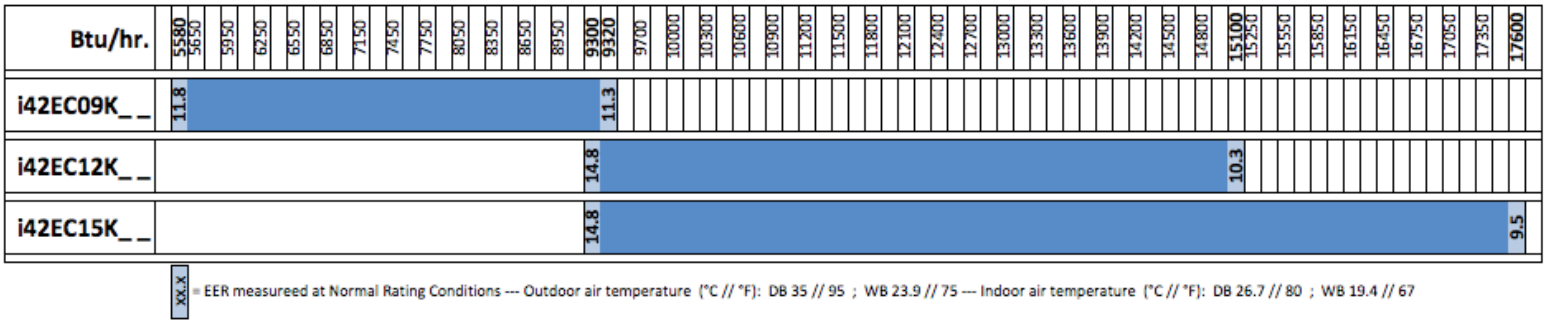
i42 INVERTER units use advance inverter control to provide the highest efficiency cooling, and unmatched humidity control and temperature control under part-load conditions. I42 INVERTER is engineered to modulate it's compnents to eliminate inefficient 'cycling' on and off of the compressor, reduce power consumption under part-load demand, and maintain consistent evaporator condensing surface for humidity control.

i42 INVERTER PTACS are manufactured with a power-cord attached to the chassis.

230/208v	i42 PTAC -- Inverter Air Conditioner		
	i42EC09K00E7	i42EC12K00E7	i42EC15K00E7
Cooling BTUH Operating Range (**)	5580 to 9320 (9300)	9300 to 15100 (12000)	9300 to 17600 (15000)
EER	11.8 to 11.3 (11.5)	14.8 to 10.3 (10.9)	14.8 to 9.5 (10.3)
LCDI Plug	NEMA#6-20P 20Amp	NEMA#6-20P 20Amp	NEMA#6-20P 20Amp
Dehumid. Pints/hr	1.5	3.1	3.1
Cooling Amps	4.0/3.7	5.4/5.2	7.0/6.4
Minimum Circuit Amps	5.9	7	7
Cooling Watts	820/840	11800/11000	1470/1450
Backup Electric Heat kW	0	0	0
Airflow CFM (Hi/Lo)	352/323	405/333	405/333
Indoor Sound dB(A) (Hi/Lo)	43/35	44/36	44/36
Outdoor Sound dB(A)	66/60	66/60	66/60
Net Wt/Ship Wt lb	106/119	110/123	110/123

*** Although the i42 is a variable output (inverter) PTAC, ASHRAE tests for PTACs are only at a static (non-variable) capacity output. The data corresonding to ** above were generated by programming the chassis to be static BTUH output (non-variable). All data was collected at industry standard test conditions.*

Cooling Performance - Btu/hr Cooling Capacity Range



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

Model Number:	**i42EC15K**
Description:	15,000 BTUH INVERTER COOLING
Power:	208~230V/60Hz/1Ph

Maximum cooling capacity

X Range of environmental conditions

Outdoor air temperature		Indoor air temperature (°C // °F)															
		DB:18.3 // 65 ; WB:13.4 // 56				DB:19.9 // 68 ; WB:15.4 // 60				DB:22.8 // 73 ; WB:17.4 // 63.3				DB:26.7 // 80 ; WB:19.4 // 67			
		TCC	TCC	PI	EER	TCC	TCC	PI	EER	TCC	TCC	PI	EER	TCC	TCC	PI	EER
°C DB	°F DB	W	BTH/Hr.	W	BTU/W.Hr	W	BTH/Hr.	W	BTU/W.Hr	W	BTH/Hr.	W	BTU/W.Hr	W	BTH/Hr.	W	BTU/W.Hr
10	50	2985	10188	485	21.01	3288	11222	484	23.19	3486	11898	481	24.74	3708	12655	481	26.31
15	59	3189	10884	781	13.94	3432	11713	776	15.09	3669	12522	779	16.07	3950	13481	780	17.28
20	68	3556	12137	1025	11.84	3932	13420	1018	13.18	4220	14403	1026	14.04	4495	15341	1039	14.77
25	77	4000	13652	1409	9.69	4366	14901	1404	10.61	4728	16137	1417	11.39	5040	17202	1449	11.87
30	86	3689	12591	1410	8.93	4323	14754	1517	9.73	4533	15471	1551	9.97	4953	16905	1558	10.85
35	95	3226	11010	1454	7.57	4416	15072	1810	8.33	4835	16502	1836	8.99	5156	17597	1866	9.43
40	104	2144	7317	1142	6.41	2718	9277	1283	7.23	3103	10591	1302	8.13	3520	12014	1328	9.05
45	113	1771	6044	1231	4.91	2104	7181	1264	5.68	2416	8246	1295	6.37	2758	9413	1317	7.15

TCC: Total Cooling Capacity; PI: Power Input; DB = Dry Bulb; WB = Wet Bulb

Cooling capacity range

at static environmental condition

Outdoor air temperature (°C // °F): DB 35 // 95 ; WB 23.9 // 75				
Indoor air temperature (°C // °F): DB 26.7 // 80 ; WB 19.4 // 67				
Range of Cooling Output	TCC W	TCC BTH/Hr.	PI W	EER BTU/W.Hr
maximum short period	5157	17600	1866	9.43
fixed ARI continuous	4512	15400	1455	10.58
minimum continuous	2725	9300	631	14.74

TCC: Total Cooling Capacity; PI: Power Input; DB = Dry Bulb; WB = Wet Bulb

Specifications Subject to Change Without Notice .

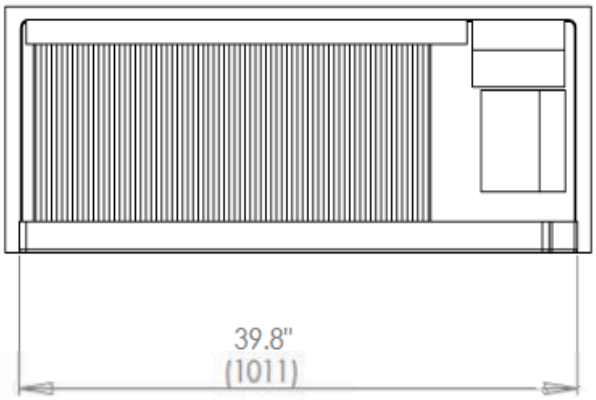
PTACS

Applied COMFORT

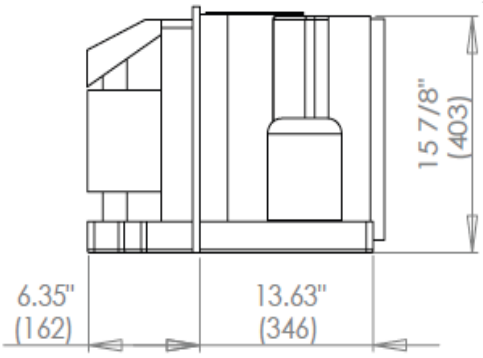
Submittal Data: INVERTER PTAC - 230/208V (R-410A)

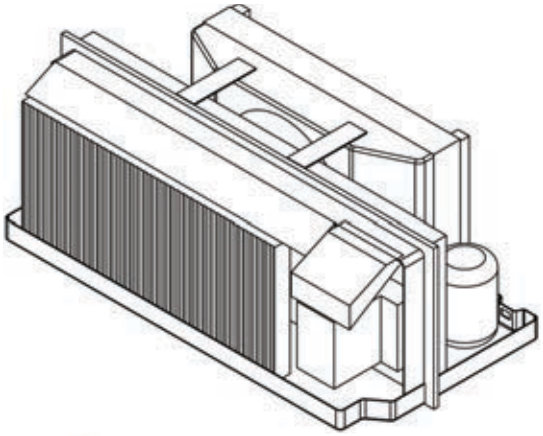
i 42 inverter
advanced modulating inverter

FRONT



SIDE





PTACS

Applied COMFORT

Accessories:

i42 INVERTER PTAC uses industry standard PTAC accessories.

42" Stamped Grille - durable light-weight aluminum

ACC42SAGRILLE
ACC42SAGRILLE-BEIGE
ACC42SAGRILLE-CUSTOM

42" Architectural Grille - aluminum louvers+ high tensile rods.

ACC42AAGRILLE-BEIGE
ACC42AAGRILLE-SILVER
ACC42AAGRILLE-CUSTOM

42" Wall Sleve - powder-coated galvanized steel

ACC42SLEEVE-FULL
ACC42SLEEVE-FOLDED

42" Drain Kit - drain tube + mounting plates for drain

ACC42DRAINKIT

42" Duct Kit - powder-coated galvanized steel + poly insulaton

ACC42DUCTKIT
ACC42DUCTEXTENSIONKIT
ACC42TERMINATIONKIT

42" Sub-Base - powder-coated galvanized steel - incl. leveling legs - plug not included

ACC42SUBBASE

Note regarding Sleeves:

i42 INVERTER PTHP uses common industry standard PTAC sleeves of standard Height x Width x Depth dimension with standard wall openings.

MINIMUM FINISHED OPENING DIMENSIONS*		CASE DIMENSIONS		
Height	Width	Height	Width	Depth
16 1/4"	42 1/4"	16"	42"	13 3/4"

Thermostats:

ACC42INVERTER_TSTAT is a wireless wall thermostat that has been developed specifically for the i42 Inverter series of PTAC to support the innovative variable speed functions.