



Smart Air Conditioners for Smart people



CEILING CASSETTE TYPE DUCTLESS SPLIT SYSTEMS



Nomenclature

Type

- W : Wall Split
- T : Cassette Split
- F : Floor Standing
- U : Universal Split
- D : Ducted Split
- H : Horiz . Cond. Unit
- V : Vert. Cond. Unit
- P : Roof Top Package
- L : Chilled Water FUC
- K : Window Unit

Series

Nominal Capacity
MB T_u/H_x1000 B T_u/H

Cooling Only - C

Heat pump - H

W A 018 C 1 A R E

- E: elect. heat optional
- N: no elect heat

- R: R-22
- N: R-407 C
- D: R-410 A

- A: T1 Stand. Ambient
- B: T3 Hi Ambient

Electcnal code :

1	2	3	4	5	6
220-240v/ 1ph/50hz	208-230v/ 1ph/60hz	110-120v/ 1ph/60hz	380-420v/ 3ph/50hz	200-230v/ 3ph/60hz	460v/ 3ph/60hz

FEATURES

- Multi function LCD wireless control with timer
- Automatically adjustable discharge louver
- Automatic restart function with memory
- Digitally controlled variable speed fan motor
- Whisper quiet random pitch cross flow fan
- Trapezoidal format grooved copper tubing
- Hydrophilic enhanced aluminum fins
- Ultra high efficiency rating
- Efficient, durable and quiet compressor

OUTDOOR UNIT CHOICES

- Galvanized steel w/ baked enamel
- Corrosion proof plastic (018-024)

OPTIONAL ACCESSORIES

- Piping and installation kit (3,4,5,7m)
- Condenser bracket kit
- Line cover kit
- Over-under voltage / surge protector
- Active charcoal deodorizing filters
- Photo-catalyst anti-biological filters
- Ionizer module (anion generator)
- Electrostatic-plasma filter module



Metal Casing



Plastic Casing



TA (018-048 C/H)



Model Specifications	Unit	TA (C/H) 018		TA (C/H) 020		TA (C/H) 024		TA (C/H) 030		TA (C/H) 036		TA (C/H) 048	
		T1 -amb	T3 -amb	T1 -amb	T3 -amb	T1 -amb	T3 -amb	T1 -amb	T3 -amb	T1 -amb	T3 -amb	T1 -amb	T3 -amb
Nominal Capacity (Cool/ Heat)	Btu	18000/18400	18300/18600	20000/22000	20000/22000	23500/24500	24000/25000	30000/32000	30000/32000	36000/37000	36000/37000	48000/48800	48000/48800
Input Power (Cool/ Heat)	W	1818/1858	1812/1816	2000/2222	2000/2222	2448/2658	2449/2525	3061/3232	3061/3232	3673/3871	3673/3871	4660/4611	3673/4611
Rated Current (Cool/ Heat)	A	10	10	11 / 12	11 / 12	13 / 14	13 / 14	16 / 17	13 / 17	20 / 21	20 / 21	25	25
Energy Consumption (Cool/ Heat)	KWH	1.82 / 1.86	1.81 / 1.82	2.00 / 2.22	2.00 / 2.22	2.45 / 2.66	2.45 / 2.66	3.06 / 3.23	2.45 / 3.23	3.67 / 3.87	3.67 / 3.87	4.66 / 4.61	4.66 / 4.61
Air Flow	M ³ /H	800	800	1000	1000	1300	1300	1600	1600	1600	1600	2000	2000
Moisture Removal	L/H	1.5 / --	1.5 / --	2.0 / --	2.0 / --	2.5 / --	2.5 / --	2.8 / --	2.8 / --	3.1 / --	3.1 / --	3.5 / --	3.5 / --
Noise Level (Indoor)	dB(A)	39	39	42	42	48	48	46	46	46	46	47	47
Noise Level	dB(A)	53	55	55	55	53	57	58	58	58	58	59	59
Liquid/ Gas Pipe	Inch	1/4" - 1/2" Flare		3/8" - 5/8" Flare		3/8" - 5/8" Flare		3/8" - 5/8" Flare		3/8" - 5/8" Flare		3/8" - 5/8" Flare	
Power		220 - 240V / 50 Hz / 1 ph						208 - 230 V / 60 hz / 1 ph.					
Refrigerant Type		R22,R407C, R410A	R22	R22,R407C, R410A	R22	R22,R407C, R410A	R22	R22,R407C, R410A	R22	R22,R407C, R410A	R22	R22,R407C, R410A	R22
EER (Cool/ Heat)	Btu/ W	9.9/--	10.1/--	10.0/--	10.0/--	9.6/--	9.8/--	9.8/--	9.8/--	9.8/--	9.8/--	10.3/--	10.3/--
COP (Cool/ Heat)	W/W	-- / 2.7	-- / 2.9	-- / 2.9	-- / 2.9	-- / 2.7	-- / 2.9	-- / 2.9	-- / 2.9	-- / 2.8	-- / 2.8	-- / 3.1	-- / 3.1
Dimensions													
Indoor Unit 1	W x H x D (mm)	(580)(260)(580)		(580)(260)(580)		(840)(300)(840)		(840)(300)(840)		(840)(300)(840)		(840)(300)(840)	
Indoor Unit Panel 1		(650)(30)(650)		(650)(30)(650)		(950)(65)(950)		(950)(65)(950)		(950)(65)(950)		(950)(65)(950)	
Outdoor Unit A		(757)(535)(253)		(830)(578)(310)		(830)(578)(310)		(835)(697)(312)		(880)(763)(362)		(830)(1220)(310)	
Outdoor Unit B		(830)(578)(310)		---		---		---		---		---	
Outdoor Unit P		(710)(540)(292)		(830)(605)(310)		(830)(605)(310)		---		---		---	

Notes
Capacity Measurement Conditions:
a) Compressor refrigerant: R22, 220V/50Hz/1ph
b) Cooling: Indoor air Temp 27C. DB/19.5C Outdoor ambient temp 35CDB/ 24WB
Heating: Indoor air Temp 21C. DB/15.0C Outdoor ambient temp 7.0C DB/ 6.0 WB

Please note that continuing engineering research results in steady improvements, therefore, these specifications are subject to change without notice, always consult Wind Industries for exact electrical requirements.



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