

**PEARL®**



# WALL MOUNTED

AIR CONDITIONERS

Capacity 18-36K

EWMC - 60Hz

R410A



**MAKING LIFE COOL**

EWMC  
18K & 24K



EWUE  
30K & 36K



CST COOL  
18K & 24K

CST HEAT  
18K & 24K

CST COOL & HEAT  
30K & 36K

TECHNICAL SPECIFICATIONS

Models - Hi Wall with Side Discharge Condenser			Indoor Unit	EWMC		EWUE	
			Outdoor Unit	18	24	30	36
			CST				
			18	24	30	36	
Nominal Capacities	Cooling @ T1	Btu/h	18,000	22,000	26,000	28,800	
		Power Consumption	Watts	1452	1781	2185	2430
		Running Current	Amps	6.30	7.90	9.74	10.84
		EER	Btu/hr/W	12.40	12.35	11.90	11.85
Nominal Capacities	Cooling @ T3	Btu/h	15,900	18,400	22,000	24,800	
		Power Consumption	Watts	1797	2114	2558	2918
		Running Current	Amps	7.80	9.38	11.41	13.01
		EER	Btu/hr/W	8.85	8.70	8.60	8.50
Nominal Capacities	Heating	Btu/h	17,401	22,007	24,397	27,809	
		Power Consumption	Watts	1645	1792	2103	2397
		Running Current	Amps	7.15	7.95	9.38	10.69
		COP	W/W	3.10	3.60	3.40	3.40
Refrigerant Type			R- 410A				
Indoor Unit	Power Supply		V/Ph/Hz	230/1/60			
	Fan	Fan Type		Cross flow blower			
		Air flow Rate	m <sup>3</sup> /h	1,184	1,200	1,400	1,600
		Input Power	W	89	58		95
		Running Current	A	0.4	0.3	0.49	0.55
		Fan Motor Protection		Auto Reset Thermal Overload			
		Sound Pressure (H/M/L) @ 1 meter		dB(A)	49/46.5/45.5	49.5/45.5/43	51/46/44
	Coil	Tube	Material	Inner Groove Copper Tube			
			Diameter	7.0			
		Fin	Material	Aluminum			
			No. Of Rows	2	2	2	2.5
	Fin per inch			19	19	18	18
	Dimensions	Height	mm	335	335	346	346
		Width		1,080	1,080	1,286	1,286
		Depth		226	226	262	262
Weight		kg	15	15.2	20	21	
System Operation Control			Wireless with LCD Display				
Condensate Drainage (O.D.)			mm				
Air Filter			Plastic				
Outdoor Unit	Power Supply		V/Ph/Hz	230/1/60			
	Air Discharge		Type	Side			
	Compressor	Quantity		1	1	1	1
		Compressor Type		Rotary			
		Vibration Isolator		Rubber mount			
		Protection Device		Auto Reset Thermal Overload			
	Fan	Quantity		1	1	1	1
		Fan / Type Drive		Propeller/Direct Drive			
		Blade Material		Plastic			
	Coil	Type	Construction	Fin - Tube construction			
		Material	Tube	Inner Groove Copper Tube			
			Fin	Aluminum			
		Rows deep	No.s	2.6	3	3	3
	Dimensions	Height	mm	673	810	800	800
		Width		890	946	1000	1000
Depth		342		410	415	415	
Weight		kg	50	63	72	74	
Piping	Type		Flare + Nuts				
	Pipe Size	Suction	inch				
		Liquid	5/8	5/8	5/8	5/8	
	Max. Refrigerant Pipe length		M	1/4	3/8	3/8	3/8
Max. difference in level		M	15*				
			10*				

\* The pipe length and level difference given is maximum and it is based on the condensor position. Refer manual for more details

- ▶ T1 : Nominal Cooling Capacity is based on 80.6°F (27°C) dry bulb, 66.2°F (19°C) wet bulb indoor conditions and 95°F (35°C) dry bulb ambient outdoor temperature at high speed.
- ▶ T3 : Cooling Capacity is based on 84.6°F (29°C) dry bulb, 66.2°F (19°C) wet bulb indoor conditions and 115°F (46°C) dry bulb ambient outdoor temperature at high speed.
- ▶ H1 : Heating Capacity is based on 68°F (20°C) dry bulb, 59°F (15°C) wet bulb indoor conditions and 44.6°F (7°C) dry bulb ambient outdoor temperature at high speed.
- ▶ Specifications are subjected to change without notice in accordance with our policy of continuous research and product development
- ▶ Noise test data is @ 1 meters distance, as per factory test standard

