



DECORATIVE SPLIT UNITS

AIR CONDITIONERS

EWUD/EWUE/ECMD
ETCA/EQMC - 50HZ



MAKING LIFE COOL

EWUD
18K & 24K



EWUE
30K & 36K



CST
18K

CST
24K & 30K

CSS
36K

TECHNICAL SPECIFICATIONS

Models - HI Wall with Side Discharge Condenser		Indoor Unit		EWUD		EWUE			
		Outdoor Unit		18	24	30	36		
				CST		CSS			
				18	24	30	36		
Nominal Capacities	Cooling @ T1	Btu/h	17,300	21,000	26,000	30,500			
Power Consumption		Watts	1480	1795	2260	2652			
Running Current		Amps	6.60	8.10	10.08	11.83			
EER		Btu/hr/W	11.70	11.70	11.50	11.50			
Nominal Capacities	Cooling @ T3	Btu/h	14,500	18,000	22,500	26,500			
Power Consumption		Watts	1705	2115	2700	3193			
Running Current		Amps	7.60	9.50	12.04	14.24			
EER		Btu/hr/W	8.50	8.50	8.33	8.30			
Refrigerant Type		R-410A							
Power Supply		V/Ph/Hz		230 / 1 / 50					
Indoor Unit	Fan	Fan Type		Cross flow blower					
		Air flow Rate		m ³ /h		1,050	1,200	1,400	1,550
		Input Power		W		65	70	85	95
		Running Current		A		0.37	0.41	0.49	0.55
		Fan Motor Protection		Auto Reset Thermal Overload					
		Sound Pressure (H/M/L) @ 1 meter		dBA		43/-/38	45/-/38	51/46/44	53/48/46
	Coil	Tube	Material		Inner Groove Copper Tube				
			Diameter		7.0				
		Fin	Material		Aluminum				
			No. Of Rows		2	2	2	2.5	
	Fin per inch		18	18	18	18			
	Dimensions		Height		315	315	346	346	
			Width		960	1,130	1,286	1,286	
			Depth		230	230	262	262	
	Weight		kg		13	15	20	21	
System Operation Control		Wireless with LCD Display							
Condensate Drainage (O.D.)		mm		15.9					
Air Filter		Plastic							
Outdoor Unit	Power Supply		V/Ph/Hz		230 / 1 / 50				
	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		Fin tube construction					
		Material	Tube		Inner groove copper tube				
			Fin		Aluminum				
		No. of Rows		3	3	3	3.5		
	Dimensions		Height		585	650	800	800	
			Width		810	860	1000	1000	
Depth			280	310	415	415			
Weight		kg		40	48	70	74		
Piping	Type		Flare + Nuts						
	Pipe Size	Suction		1/2	5/8	5/8	5/8		
		Liquid		1/4	3/8	3/8	3/8		
	Max. Refrigerant Pipe length		15*						
Max. difference in level		10*							

* The pipe length and level difference given is maximum and it is based on the condenser 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.

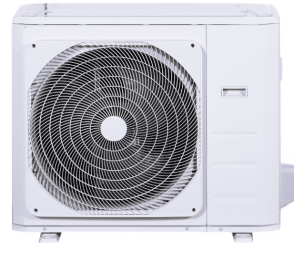
▶ Units can work up to maximum ambient temperature of 54°C without tripping.

▶ 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



ECMD
24K, 36K & 48K



CSD
24K & 36K



CSD
48K

TECHNICAL SPECIFICATIONS - INVERTER CASSETTE					
Indoor Model		ECMD24FH2	ECMD36FH2	ECMD48FH2	
Outdoor Model		CSD24FH2	CSD36FH2	CSD48FH2	
Cooling (T1)	Capacity	Btu/h	22800	33600	42500
	Input	W	1898	2750	3600
	Current	A	8.35	12.18	15.95
	EER	Btu/h/W	12.00	12.20	11.80
Cooling (T3)	Capacity	Btu/h	19800	29000	38400
	Input	W	2268	3372	4440
	Current	A	10.50	14.82	19.60
	EER	Btu/h/W	8.73	8.60	8.65
Heating (H1)	Capacity	Btu/h	26370	34800	51860
	Input	W	2228	2563	4200
	Current	A	9.81	11.47	18.55
	COP	W/W	3.47	3.98	3.62
Power supply (indoor unit)		V,Hz,Ph	230v,50Hz,1Ph	230v,50Hz,1Ph	230v,50Hz,1Ph
Indoor fan motor	Model type		DC Motor	DC Motor	DC Motor
	Qty		1	1	1
	Input	W	141	274	274
Indoor coil	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
Indoor air flow (Hi/Med/Lo)		m ³ /h	1400/1250/1100	1950/1750/1550	2300/2100/1900
Indoor noise level (Hi/Med/Lo)		dB(A)	49/46/44	51/49/46	56.5/54.5/52.5
Indoor unit	Body Dimension (WxHxD)	mm	840x840x245	910x910x287	910x910x287
	Body Packing(WxHxD)	mm	900x900x265	1015x1015x322	1015x1015x322
	Panel Dimension (WxHxD)	mm	950x950x55	1020x1020x50	1020x1020x50
	Panel Packing(WxHxD)	mm	1035x1035x90	1115x1115x107	1115x1115x107
	Body Net/Gross weight	kg	24.6/29.7	34.4/41.3	34.4/41.3
Drainage water pipe diameter		mm	ODΦ32	ODΦ32	ODΦ32
Power supply (Outdoor unit)		V,Hz,Ph	230v,50Hz,1Ph	230v,50Hz,1Ph	230v,50Hz,1Ph
Compressor	Type		ROTARY DC INVERTER		
	Brand		GMCC	GMCC	GMCC
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL
Outdoor fan motor	Model		DC Motor	DC Motor	DC Motor
	Qty		1	1	2
	Input	W	150	150	126*2
Outdoor coil	Number of rows		2	3	3
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ7,innergroove tube
Outdoor noise level (sound pressure)		dB(A)	60	63	64
Outdoor unit	Dimension(WxDxH)	mm	946x410x810	946x410x810	952x415x1333
	Packing(WxDxH)	mm	1090x500x885	1090x500x885	1095x495x1480
	Net/Gross weight	kg	56.3/60.9	64.9/69.6	97.2/110.2
Refrigerant type/Quantity	Type		R410A	R410A	R410A
	Charged volume	kg	2.12	3.2	4.3
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
	Max. pipe length	m	25	30	50
	Max. difference in level	m	15	20	30
Ambient temperature	Cooling	°C	18-52	18-52	18-52
	Heating	°C	-7-24	-7-24	-7-24
Loadability (In Sets)	CONTAINER SIZE	20	36	28	20
		40	74	60	44
		40 HC	84	68	48

▶ 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.
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 ▶ Noise test data is @ 1 meters distance, as per factory test standard



ETCA
18K, 24K, 30K & 36K



CST
18K



CST
24K, 30K & 36K

TECHNICAL SPECIFICATIONS

Models - FLEXI LINE With Side Discharge Condenser		Indoor Unit		ETCA			
		Outdoor Unit		18	24	30	36
				CST			
		18	24	30	36		
Nominal Capacities	Cooling @ T1	Btu/h	18,000	23,000	28,500	31,000	
Power Consumption		Watts	1532	1948	2405	2684	
Running Current		Amps	6.83	8.68	10.72	11.97	
EER		Btu/hr/W	11.750	11.810	11.850	11.550	
Nominal Capacities	Cooling @ T3	Btu/h	16,200	20,200	25,000	27,000	
Power Consumption		Watts	1901	2335	2860	3234	
Running Current		Amps	8.48	10.41	12.76	14.42	
EER		Btu/hr/W	8.520	8.650	8.740	8.350	
Refrigerant Type		R-410A					
Power Supply		230/1/50					
Fan Type		Cross flow blower					
Air flow Rate		m ³ /h	1100	1300	1700	2000	
Input Power		W	70	120	150	180	
Running Current		A	0.31	0.53	0.67	0.80	
Fan Motor Protection		Auto Reset Thermal Overload					
Sound Pressure (H/M/L)		dB(A)	50/46/44	52/48/46	54/51/48	56/53/50	
Coil Tube Material		Inner Groove Copper Tube					
Coil Tube Diameter		mm	Φ 7mm			Φ 7.94	
Coil Fin Material		Aluminum					
Coil No. Of Rows			4	4	4	4	
Coil Fin per inch			18	18	15	15	
Unit Dimensions		Height	680	680	680	680	
		Width	1,245	1,245	1,670	1,670	
		Depth	244	244	244	244	
Unit Weight		kg	37	37	49	49	
System Operation Control		Remote					
Condensate Drainage (O.D.)		mm	25				
Air Filter		Plastic					
Power Supply		230/1/50					
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					
Fan Speed		rpm	900	870	870	870	
Blade Material		Plastic					
Coil Construction		Fin tube construction					
Coil Tube		Inner groove copper tube					
Coil Fin Material		Aluminum					
Coil Rows deep		No.s	3	3	3	3	
Dimensions		Height	650	800	800	1020	
		Width	870	1000	1000	1000	
		Depth	320	415	415	415	
Weight		kg	61	68	70	82	
Piping Type		Flare + Nuts					
Pipe Size		Suction	1/2	5/8	5/8	5/8	
		Liquid	1/4	1/4	3/8	3/8	
Max. Refrigerant Pipe length		M	15*				
Max. difference in level		M	10*				
Loadability (In Set)	CONTAINER SIZE	20	45	30	25	25	
		40 FT	140	100	95	70	
		40 HC	140	100	95	70	

* The pipe length and level difference given is maximum and it is based on the condensor position. Refer manual for more details
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Tel: (+973) 17738333 | Fax: (+973) 17731541 / 1529
 P.O. Box 15919, Manama, Kingdom of Bahrain
 Email: export@awalgulf.com.bh | www.awalgulf.com
 @ f t i n awalgulfmanufacturing





EQMC
36K, 42K, 48K & 60K



CSS
36K



CSS
42K, 48K & 60K

TECHNICAL SPECIFICATIONS

Models 50Hz - Free Standing with Side Discharge ODU				Indoor Unit		EQMC							
				Outdoor Unit		36	42	42	48	60			
						CSS							
				36	42	42	48	60					
Nominal Capacities	T1: Cooling @ 35°C	Btu/h	34,000	40,000	40,000	45,000	51,000						
Power Consumption		Watts	2957	3333	3333	3896	4359						
Running Current		Amps	13.45	15.16	5.35	6.25	6.99						
EER		Btu/hr/W	11.500	12.000	12.000	11.550	11.700						
Nominal Capacities	T3: Cooling @ 46°C	Btu/h	30,000	35,000	35,000	40,500	44,500						
Power Consumption		Watts	3614	4070	4070	4821	5361						
Running Current		Amps	16.44	18.51	6.53	7.73	8.60						
EER		Btu/hr/W	8.300	8.600	8.600	8.400	8.300						
Refrigerant Type				R410A									
Power Supply				V/Ph/Hz					230/1/50				
Indoor Unit	Fan	Fan Type		Forward curved / Direct drive									
		Air flow Rate	m ³ /h	2100	2200	2200	2200	2200					
		Input Power	W	190	210	210	210	210					
		Running Current	A	1.03	1.14	1.14	1.14	1.14					
		Fan Motor Protection		Internal thermal									
	Coil	Tube	Material		Internal Grooved copper tube								
			Diameter	mm	9.52								
		Fin	Material		Hydrophilic Aluminium								
			No. Of Rows		3	3	3	3	3				
	Fin per inch			17	17	17	17	17					
Dimensions(Net)	Height		mm	1935	1935	1935	1935	1935					
	Width		mm	629	629	629	629	629					
	Depth		mm	456	456	456	456	456					
Weight(Gross)		kg	82	82	82	82	82						
System Operation Control				Remote									
Condensate Drainage (O.D.)		mm	16	16	16	16	16						
Air Filter				Plastic, Washable									
Outdoor Unit	Power Supply		V/Ph/Hz	230/1/50			400/3/50						
	Air Discharge		Type	side									
	Compressor	Quantity		1	1	1	1	1					
		Compressor Type		Scroll									
		Vibration Isolator		Rubber mount									
		Protection Device		Auto Reset Thermal Overload									
	Fan	Quantity		1	2	2	2	2					
		Fan / Type Drive		propeller / direct drive									
		Fan Speed		rpm	850	870	870	870	870				
		Blade Material		Plastic									
	Coil	Type		Fin tube construction									
		Material		Inner groove copper tube									
		Fin		Aluminium									
		Rows deep		No.s	3	3	3	3	3				
	Dimensions	Height		mm	800	1335	1335	1335	1335				
Width		mm	1000	1000	1000	1000	1000						
Depth		mm	415	415	415	415	415						
Weight		kg	71	109	109	112	115						
Piping	Type		Flare + Nuts										
	Pipe Size	Suction	inch	5/8	3/4	3/4	3/4	3/4					
		Liquid	inch	3/8	3/8	3/8	3/8	3/8					

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

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 P.O. Box 15919, Manama, Kingdom of Bahrain
 Email: export@awalgulf.com.bh | www.awalgulf.com
 @ f t i n awalgulfmanufacturing

