

DECORATIVE DUCTED & SPLITS



50Hz

R410A

WINDOW-Rotary

Specifications of KET18 & KET24



Model	Standard			
	KET18FC1U1	KET18FE1U1	KET24FC1U1	KET24FE1U1
Type	Cool	Cool + Elect Heater	Cool	Cool + Elect heater
Nominal Capacity @ T1 Condition				
Cooling - BTU/HR	17460	17190	22800	22680
Heating (Electric Heater) - Watts	-	3300	-	3300
Electrical Data @ T1 Condition	230-1-50			
Running Current Cooling - (Amps)	8.87	8.74	12.65	12.58
Running current Heating (Electrical) - (Amps)	-	16.49	-	16.49
Power Input Cooling - (kw)	1.877	1.848	2.676	2.662
Power Input Heating (Electrical) - (kw)	-	3.49	-	3.49
Energy Efficiency Ratio (EER)	9.300	9.300	8.520	8.520
Nominal Capacity @ T3 Condition				
Cooling - BTU/HR	14492	14268	18924	18824
Electrical Data @ T3 Condition	230-1-50			
Running Current Cooling - (Amps)	10.03	9.87	14.15	14.08
Power Input Cooling - (kw)	2.122	2.089	2.994	2.979
Energy Efficiency Ratio (EER)	6.830	6.830	6.320	6.320
Star Rating as per ESMA	2	2	1	1
Unit Configuration				
Air Circulation - CFM	475	475	520	520
Compressor Type	Rotary	Rotary	Rotary	Rotary
Noise level (at 3.0m) - (Hi/Me/Lo) db(A)*	52/48/45	52/48/45	54/51/48	54/51/48
Fan Speed	3			
Control Types	Manual			
Air Filter Type	Antibacterial			
Dimensions				
Unpacked - (WxDxH)mm	670x725x455			
Packed - (WxDxH)mm	708x785x510			
Shipping Data				
Net Weight - (kg)	73	74	76	77
Gross Weight - (kg)	78	79	81	82
Full Load Container - 20'/40'/40' HC	95/190/240			
Refrigerant	R-22			

* 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.

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WINDOW-Reciprocating

Specifications of KER18 & KER24



Model	Standard			
	KER18FC1U1	KER18FE1U1	KER24FC1U1	KER24FE1U1
Type	Cool	Cool + Elect Heater	Cool	Cool + Elect heater
Nominal Capacity @ T1 Condition				
Cooling - BTU/HR	17100	17010	22800	22680
Heating (Electric Heater) - Watts	-	3300	-	3300
Electrical Data @ T1 Condition	230-1-50			
Running Current Cooling - (Amps)	9.49	9.44	12.65	12.58
Running current Heating (Electrical) - (Amps)	-	16.49	-	16.49
Power Input Cooling - (kw)	2.007	1.996	2.676	2.662
Power Input Heating (Electrical) - (kw)	-	3.49	-	3.49
Energy Efficiency Ratio (EER)	8.520	8.520	8.520	8.520
Nominal Capacity @ T3 Condition				
Cooling - BTU/HR	14193	14118	18924	18824
Electrical Data @ T3 Condition	230-1-50			
Running Current Cooling - (Amps)	10.61	10.56	14.15	14.08
Power Input Cooling - (kw)	2.246	2.234	2.994	2.979
Energy Efficiency Ratio (EER)	6.320	6.320	6.320	6.320
Star Rating as per ESMA	1	1	1	1
Unit Configuration				
Air Circulation - CFM	475	475	520	520
Compressor Type	Reciprocating	Reciprocating	Reciprocating	Reciprocating
Noise level (at 3.0m) - (Hi/Me/Lo) db(A)*	54/50/47	54/50/47	56/53/50	56/53/50
Fan Speed	3			
Control Types	Manual			
Air Filter Type	Antibacterial			
Dimensions				
Unpacked - (WxDxH)mm	670x725x455			
Packed - (WxDxH)mm	708x785x510			
Shipping Data				
Net Weight - (kg)	77	78	81	82
Gross Weight - (kg)	82	83	86	87
Full Load Container - 20'/40'/40' HC	95/190/240			
Refrigerant	R-22			

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WALL MOUNTED

EWTA/EWTB18-EWTA/EWTB24
EWAA30-EXGA36



EXGA



EWAA



EWTA



EWTB

Specifications of Wall Mounted Units

Description				Cool Only Model				
Models - Hi-Wall				Indoor Unit	EWTA / EWTB		EWAA	EXGA
				Outdoor Unit	18	24	30	36
					CCT		CSS	
Nominal Capacities		Cooling @ 35°C	Btu/h	17,100	22,600	24,600	29,100	
Power Consumption			Watts	1640	2150	2500	2970	
Running Current			Amps	7.4	9.6	11.2	13.3	
EER			Btu/hr/W	10.43	10.51	9.84	9.80	
Nominal Capacities		Cooling @ 46°C	Btu/h	14,540	19,210	20,410	24,159	
Power Consumption			Watts	1938	2560	2915	3450	
Running Current			Amps	8.7	11.5	13.1	15.5	
EER			Btu/hr/W	7.50	7.50	7.00	7.00	
Refrigerant Type				R-410A				
Indoor Unit	Power Supply			V/Ph/Hz	230/1/50			
	Fan	Fan Type			Cross flow blower			
		Air flow Rate		m3/h	640	1,100	1,300	1,350
		Input Power		W	40	70	50	110
		Running Current		A	0.18	0.32	0.35	0.50
		Fan Motor Protection			Auto Reset Thermal Overload			
		Sound Pressure (H/M/L)		dBA	42/39/36	50/45/42	53/48/45	56/54/52
	Coil	Tube	Material	Inner Groove Copper Tube				
			Diameter	mm	7.0			
		Fin	Material	Aluminum				
	Dimensions		No. of Rows		2	2	2	3
			Height	mm	280	313	330	360
					Width	900	1,033	1,310
	Depth	202			202	235	215	
	Weight			kg	11	14	20	24
	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			
		Fan Speed		RPM	900	900	825	825
		Blade Material			Plastic			
	Coil	Type	Construction		Fin tube construction			
		Material	Tube		Inner groove copper tube			
			Fin		Aluminum			
		No. of Rows			2	2	2	2
	Dimensions		Height	mm	650	650	1050	1050
			Width		870	870	925	925
			Depth		320	320	395	395
Weight			kg	62	63	98	103	
Piping	Type			Flared				
	Pipe Size	Suction	inch	1/2	5/8	5/8	3/4	
		Liquid		1/4	1/4	3/8	3/8	

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FREE STANDING

EQM36-EQM42-EQM48-EQM60



Specifications of Freestanding Units

Description				Cool Only Model					
Models - Free Standing				Indoor Unit	EQM				
					36	42	48	60	
				Outdoor Unit	CSS	CTS			
Nominal Capacities		Cooling @ 35°C	Btu/h	32,600	38,000	43,100	54,100		
Power Consumption			Watts	3320	3870	4520	5310		
Running Current			Amps	15.0	6.3	7.3	8.6		
EER			Btu/hr/W	9.82	9.82	9.54	10.19		
Nominal Capacities		Cooling @ 46°C	Btu/h	28,690	33,440	35,770	45,200		
Power Consumption			Watts	3820	4450	5200	6110		
Running Current			Amps	17.2	7.2	8.4	9.9		
EER			Btu/hr/W	7.51	7.51	6.88	7.40		
Refrigerant Type				R410A					
Indoor Unit	Power Supply			V/Ph/Hz	230/1/50				
	Fan	Fan Type		Forword curved / Direct drive					
		Air flow Rate		m3/h	2100	2100	2250	2250	
		Input Power		W	225	225	225	225	
		Running Current		A	1.62	1.62	1.62	1.62	
		Fan Motor Protection		Auto reset Thermal overload					
		Sound Pressure (H/L)		dBA	60/54	60/54	62/56	62/56	
	Coil	Tube	Material	Internal Grooved copper tube					
			Diameter	mm	9.52				
		Fin	Material	Hydrophilc Aluminium					
			No. Of Rows	3	3	3	3		
	Dimensions(Net)		Height	mm	1925	1925	1925	1925	
			Width		610	610	610	610	
			Depth		390	390	390	390	
	Weight(Gross)			kg	77	77	77	77	
	System Operation Control				Remote				
	Condensate Drainage (O.D.)			mm	16				
Air Filter				Plastic - washable					
Outdoor Unit	Power Supply			V/Ph/Hz	230/1/50	400/3/50			
	Air Discharge			Type	side	Top			
	Compressor	Quantity			1				
		Compressor Type			Scroll				
		Vibration Isolator			Rubber mounted				
		Protection Device			Auto reset Thermal overload				
	Fan	Quantity			2	1	1	1	
		Fan / Type Drive			propeller / direct drive				
		Fan Speed			RPM	900	1050	1050	1050
		Blade Material			Placstic	Metal			
	Coil	Type	Construction		Finned Tube				
			Internal Grooved copper tube						
		Material	Tube		Aluminium fin				
			Fin						
	No. Of Rows			2	2	2	2		
	Dimensions		Height	mm	1150	830	830	830	
			Width		925	765	765	765	
			Depth		395	765	765	765	
	Weight			kg	106	136	136	136	
Piping	Type			Flared					
	Pipe Size	Suction		inch	5/8	3/4	3/4	3/4	
		Liquid			3/8	3/8"	1/2	1/2	

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FLEXI LINE

ETM18-ETM24-ETM30-ETM36



Specifications of Flexi Line Units

Description				Cooling Only Models				
Models - Flexi Line				Indoor Unit	ETM			
					18	24	30	36
				Outdoor Unit	CST			CSS
				18	24	30	36	
Nominal Capacities		Cooling @ 35°C		Btu/h	17,400	23,200	28,600	33,200
Power Consumption				Watts	1640	2150	2780	3050
Running Current				Amps	7.4	9.7	12.5	13.7
EER				Btu/hr/W	10.61	10.79	10.29	10.89
Nominal Capacities		Cooling @ 46°C		Btu/h	14,700	19,900	24,700	28,220
Power Consumption				Watts	1960	2620	3320	3720
Running Current				Amps	8.8	11.8	15.0	16.8
EER				Btu/hr/W	7.50	7.60	7.44	7.59
Refrigerant Type				R-410A				
Indoor Unit	Power Supply			V/Ph/Hz	230/1/50			
	Fan	Fan Type		Double inlet Double width				
		Air flow Rate		m3/h	1,200	1,200	2,000	2,000
		Input Power		W	105	105	125	125
		Running Current		A	0.65	0.65	0.70	0.70
		Fan Motor Protection		Auto Reset Thermal Overload				
		Sound Pressure (H/M/L)		dBA	54/49/44	55/50/45	57/55/53	58/56/54
	Coil	Tube	Material		Inner Groove Copper Tube			
			Diameter		mm	7.0		
		Fin	Material		Aluminum			
			No. Of Rows			3	3	3
	Indoor Dimensions (Body)		Height	mm	675	675	675	675
			Width		1,068	1,068	1,650	1,650
			Depth		235	235	235	235
	Weight			kg	31.5	31.5	47	47
	System Operation Control			Remote				
	Condensate Drainage (O.D.)			mm	25			
	Air Filter			Plastic				
Outdoor Unit	Power Supply			V/Ph/Hz	230/1/50			
	Air Discharge			Type	Side			
	Compressor	Quantity		1				
		Compressor Type		Rotary			scroll	
		Vibration Isolator		Rubber mount				
		Protection Device		Auto Reset Thermal Overload				
	Fan	Quantity		1	1	1	2	
		Fan / Type Drive		Propeller/Direct Drive				
		Fan Speed		RPM	900	900	825	900
		Blade Material		Plastic				
	Coil	Type	Construction		Fin tube construction			
		Material	Tube		Inner groove copper tube			
			Fin		Aluminum			
		No. Of Rows			2	2	2	2
	Dimensions		Height	mm	650	700	1050	1150
			Width		870	925	925	925
			Depth		320	395	395	395
	Weight (Net / Gross)			kg	62	63	101	106
Piping	Type		Flared					
	Pipe Size	Suction	inch	1/2	5/8	5/8	5/8	
		Liquid		1/4	1/4	3/8	3/8	

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CASSETTE

ECM18-ECM24-ECM30-ECM36



Specifications of Cassette Units

Description				Cool Only Models												
Models - Cassette				ECM												
				18		24		30		36						
				CST				CSS								
		Outdoor Unit		18		24		30		36						
Nominal Capacities		Cooling @ 35°C		Btu/h		17,400		23,200		28600		33,200				
Power Consumption				Watts		1640		2150		2780		3050				
Running Current				Amps		7.4		9.7		12.5		13.7				
EER				Btu/hr/W		10.61		10.79		10.29		10.89				
Nominal Capacities		Cooling @ 46°C		Btu/h		14,700		19,900		24700		28,220				
Power Consumption				Watts		1960		2620		3320		3720				
Running Current				Amps		8.8		11.8		15.0		16.8				
EER				Btu/hr/W		7.50		7.60		7.44		7.59				
Refrigerant Type				R410a												
Indoor Unit	Power Supply			V/Ph/Hz		230/1/50										
	Fan	Fan Type		Forward type-plastic												
		Air flow Rate		m3/h		1200		1200		1800		1800				
		Input Power		W		60		60		165		165				
		Running Current		A		0.48		0.48		0.62		0.62				
		Fan Motor Protection		Auto Reset Thermal Overload												
		Sound Pressure (H/M/L)		dBA		47/43/38		48/44/39		54/51/45		55/52/46				
	Coil	Tube	Material		Grooved copper tube											
			Diameter		mm		7.0									
		Fin	Material		Hydrophillic aluminium											
			No. of Rows				2		2		3		3			
	Dimensions		Body		Height		mm		245		245		287		287	
					Width				840		840		840		840	
					Depth				840		840		840		840	
	Dimensions		Panel		Height		mm		55		55		55		55	
					Width				950		950		950		950	
					Depth				950		950		950		950	
	Weight				kg		35		35		40		40		40	
	System Operation Control				Remote - Electronic											
	Condensate Drainage (O.D.)				mm		32									
	Air Filter				Plastic											
Outdoor Unit	Power Supply			V/Ph/Hz		230/1/50										
	Air Discharge			Type		side										
	C o m - pressor	Quantity			1											
		Compressor Type			Rotary								Scroll			
		Vibration Isolator			Rubber mount											
		Protection Device			Auto reset /Thermal over load											
	Fan	Quantity			1		1		1		2					
		Fan / Type Drive			Propeller/Direct drive											
		Fan Speed			RPM		900		900		825		900			
		Blade Material			Plastic											
	Coil	Type	Construction			Fin tube construction										
		Material	Tube			Innner Groove Copper tube										
			Fin			Alluminium										
		No. Of Rows					2		3		2		2			
	Dimensions		Height		mm		650		700		1050		1150			
			Width				870		925		925		925			
			Depth				320		395		395		395			
	Weight				kg		62		63		101		106			
	Piping	Type			Flared											
		Pipe Size		inch		1/2		5/8		5/8		5/8				
		Liquid				1/4		1/4		3/8		3/8				

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DUCTED

EDN18-EDN24-EDN30
ESN36-ESN42-ESN48-ESN60



Specifications of Ducted Units

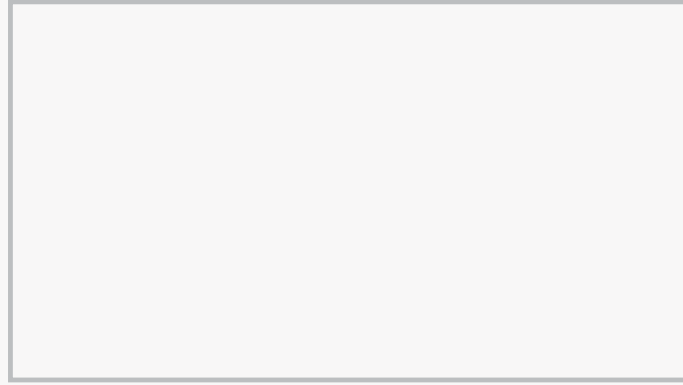
Description				Cool only models							
Models - Ducted				Indoor Unit	EDN			ESN			
					18	24	30	36	42	48	60
				Outdoor Unit	CST		CSS			CTS	
Nominal Capacities		Cooling @ 35°C -T1	Btu/h	17,300	21,600	25,600	34,890	39,900	46,640	51,600	
Power Consumption			Watts	1650	2070	2560	3210	3750	4370	4860	
Running Current			Amps	7.4	9.3	11.5	14.4	6.4	7.5	8.2	
EER			Btu/hr/W	10.48	10.43	10.00	10.87	10.64	10.67	10.62	
Nominal Capacities		Cooling @ 46°C - T3	Btu/h	15,400	18,800	22,400	29,800	34,000	38,800	43,700	
Power Consumption			Watts	1890	2310	2750	3670	4190	4780	5340	
Running Current			Amps	8.5	10.4	12.3	16.5	7.2	8.2	9.0	
EER			Btu/hr/W	8.15	8.14	8.15	8.12	8.11	8.12	8.18	
Refrigerant Type				R-410A							
Indoor Unit	Power Supply		V/Ph/Hz	230/1/50							
	Fan	Fan Type		Double inlet Double width							
		Air flow Rate		m3/h	833	1258	1445	2040	2350	2720	3060
		Input Power		W	140	210	220	380	400	440	690
		Running Current		A	0.58	0.92	1.1	1.80	1.98	2.18	2.90
		Fan Motor Protection		Auto Reset Thermal Overload							
	Sound Pressure (H/M/L)		dBA	55/52/49	57/53/51	59/55/53	64/60/57	64/61/58	66/62/60	68/64/60	
	Coil	Tube	Material		Inner Groove Copper Tube						
			Diameter	mm	7.9	7.9	9.52	9.52	9.52	9.52	9.52
		Fin	Material		Aluminum						
	No. of Rows		3	3	3	3	3	4	3		
	Dimensions		Height	mm	245	245	245	378	378	378	435
			Width		1,025	1,025	1,255	1,100	1,100	1,100	1,200
			Depth		469	469	469	657	657	657	690
	Weight			kg	25	25	30	70	73	75	82
	System Operation Control				Wired controller with remote						
	Condensate Drainage (O.D.)			mm	19.05						
Air Filter				Synthetic, Washable							
Outdoor Unit	Power Supply		V/Ph/Hz	230/1/50				400/3/50			
	Air Discharge		Type	Side				Top			
	Compressor	Quantity		1	1	1	1	1	1	1	
		Compressor Type		Rotary		Scroll					
		Vibration Isolator		Rubber mount							
		Protection Device		Auto Reset Thermal Overload							
	Fan	Quantity		1	1	1	2	2	1	1	
		Fan / Type Drive		Propeller/Direct Drive							
		Fan Speed	RPM	900	900	825	900	900	1050	1050	
		Blade Material		Plastic				Metal			
	Coil	Type	Construction		Fin tube construction						
		Material	Tube		Inner groove copper tube						
			Fin		Aluminum						
		No. of Rows			2	2	2	2	3	2	2
	Dimensions		Height	mm	650	650	1050	1150	1150	830	830
			Width		870	870	925	925	925	765	765
			Depth		320	320	395	395	395	765	765
Weight			kg	62	63	101	106	110	136	136	
Piping	Type			Flared							
	Pipe Size	Suction	inch	1/2	5/8	5/8	3/4	3/4	3/4	3/4	
		Liquid		1/4	1/4	3/8	3/8	3/8	3/8	1/2	

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Authorised Distributors



Approvals*



علامة الجودة الإماراتية
Emirates Quality Mark



IEC System for Conformity Testing & Certification of Electro-technical
Equipment and Components under CB Scheme



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