



Full DC Light Commercial Series

UP TO 18 SEER / 16 SEER2

FULL DC

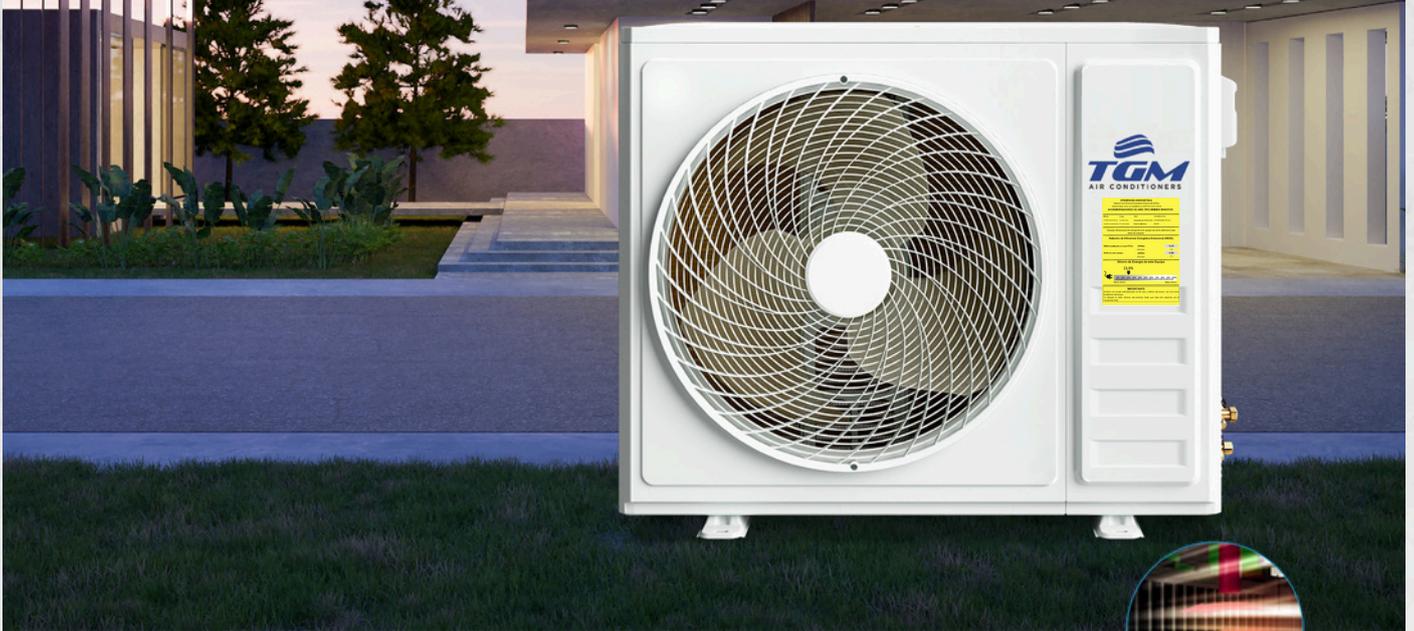


24V CONTROL OR 485 COMMUNICATING APPLICATION



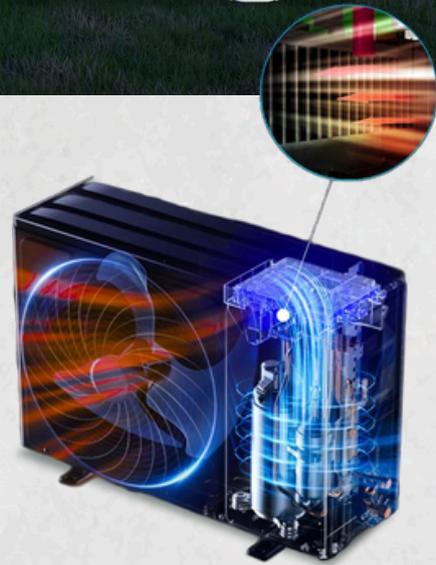
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OUTDOOR UNIT



Full DC Design

Patented air-cooled electronic control box + innovative convection heat exchange air duct design. Realize strong cooling under high-temperature environment, runs stably regardless of the scorching heat.



Long Pipe Length Design

The pipe length of inverter unit can reach 60m and 30m height difference between IDU and ODU, reducing the limitation on installing location.



Specifications



Wide Voltage Operation



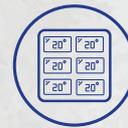
Inverter Technology



Full DC Design



Stable Operation at High Temp



Digital Tube Display

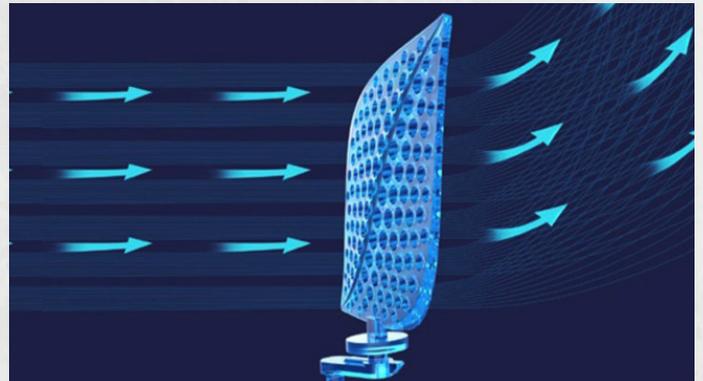
Model			TTV18HU036A	TTV18HU060A
Type	-		Cooling only	Cooling only
Power Supply	V~,Ph,Hz		208-230V - 1 - 50/60	208-230V - 1 - 50/60
Capacity Cooling	Btu/h		24000 - 36000	48000 - 60000
Voltage Range	-		187 - 253V	187 - 253V
Max. Input Consumption	W		4300	6600
Max. Current	A		20	31
Minimum Circuit Amps	A		18	27
Max. Fuse size	A		30	60
SEER/SEER2		Btu/h	18/16	18/16
DC Inverter Compressor	Model	-	KTM240D46UMT2	GTH420SKPC8DQ
	Type	-	Rotary	Rotary
	Brand	-	GMCC	HIGHLY
	Capacity	W	7615	13700
	Input	W	2070	3185
	Frequency range	Hz	12 ~ 120	15 ~ 120
	Rated Current (RLA)	A	9.5	13.2
Speed	r-min		850	700
Noise Pressure Level	dB (A)		57	59
Dimension (W×D×H)	Net	In.	36" × 15" × 32"	40" × 17" × 34"
	Packing	In.	40" × 19" × 33"	45" × 21" × 35"
Weight	Net	lbs	100	140
	Gross	lbs	110	152
Refrigerant Type/Quantity	Type	-	R32	R32
	Charged Volume (factory)	oz	38.8	61.7
	Additional Volume/Beyond 24 ft	oz/ft	0.3	0.4
Design Pressure	MPa / PSI		4.3 / 621	4.5 / 656
Refrigerant Piping	Liquid Side	In.	3/8"	3/8"
	Gas Side	In.	5/8"	5/8"
	Max. Length	Ft	164	197
	Max. Height	Ft	82	98
Ambient Temperature Range	°F		41° - 118°	41° - 118°
Interconnecting Wiring (IDU&ODU)	AWG		3/18	3/18
Qty' Per 20'/40'/40HQ	-		48 / 96 / 144	44 / 88 / 88

CASSETTE UNIT



Soft Wind Panel

360° of outlet wind, 2565 micro-hole soft wind lades to break up the airflow, making the wind soft and comfortable.



Multiple Controllers

Three controller options available, designed for full functionality and energy efficiency.



Wired Controller



Remote Controller

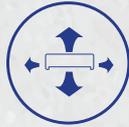


Smart Controller

Specifications



Flash Cooling



8 Way Air Outlet



Wifi Operation



7 Speed Wind Control



Low Noise

Model			TC4GRCCT24*	TC4GRCCT36	TC4GRCCT48*	TC4GRCCT60
Power supply side		-	Outdoor	Outdoor	Outdoor	Outdoor
IDU Power Supply		V~,Ph,Hz	208-230V - 1 - 50/60			
Voltage Range		-	187 - 253V	187 - 253V	187 - 253V	187 - 253V
Minimum Circuit Amps		A	18.95	18.95	27.40	27.40
Max. Fuse size		A	5	5	5	5
Capacity	Cooling	Btu/h	24000	36000	48000	55000
		W	7034	10550	14067	16120
Electric Data (T1)	Rated Cooling Power Input	W	1750	3900	4700	5900
	Rated Cooling Current	A	8.4	18.5	22.5	28.0
Output Power		W	60	60	100	100
Speed (Hi/Mi/Lo)		r/min	730/670/620	730/670/620	860/800/720	860/800/720
Indoor Unit	Indoor Air Flow(Hi/Mi/Lo)	m³/h	1740/1600/1460	1740/1600/1460	2000/1840/1740	2000/1840/1740
	Indoor sound pressure (S/H/M/L/Mute)	dB(A)	51/48/46/42/40	51/48/46/42/40	55/52/50/47/41	55/52/50/47/41
	Indoor sound pressure (Standard rating conditions)	dB(A)	48	48	52	52
	Net Dimension(W*D*H)	In.	33" × 33" × 11"	33" × 33" × 11"	33" × 33" × 11"	33" × 33" × 11"
	Packing Dimension (W*D*H)	In.	36" × 36" × 12"	36" × 36" × 12"	36" × 36" × 12"	36" × 36" × 12"
	Net Weight	lbs	57	57	62	62
	Gross Weight	lbs	66	66	73	73
Panel	Net Dimension (W*D*H)	In.	37" × 37" × 2"	37" × 37" × 2"	37" × 37" × 2"	37" × 37" × 2"
	Packing Dimension (W*D*H)	In.	42" × 42" × 4"	42" × 42" × 4"	42" × 42" × 4"	42" × 42" × 4"
	Net weight	lbs	13	13	13	13
	Gross weight	lbs	20	20	20	20
Refrigerant Pipe	Gas Side	In.	5/8"	5/8"	5/8"	5/8"
	Liquid Side	In.	3/8"	3/8"	3/8"	3/8"
Interconnecting Wiring (IDU&ODU)		AWG	3/18	3/18	3/18	3/18
Operation Temperature Range		°F	61° - 88°	61° - 88°	61° - 88°	61° - 88°
Qty' Per 20'/40'/40'HQ		-	84/168/192	84/168/192	84/168/192	84/168/192
IDU+ODU Qty' Per 20'/40'/40'HQ		-	28 / 66 / 74	28 / 66 / 74	28 / 59 / 60	28 / 59 / 60

*Depending on Dip Switch setting. Please see the service manual.

FLOOR CEILING UNIT



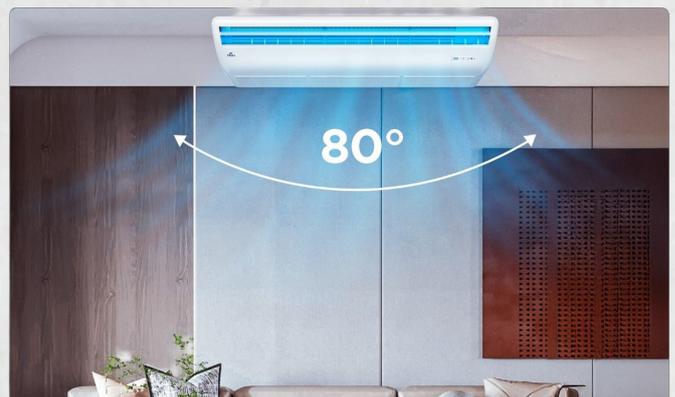
Dual Drainage

Condensing water can be drained either from left or from right.



Wide Airflow Range

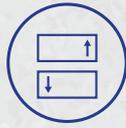
With unique swing design, the wind direction can be adjusted at will, to achieve 3D air supply, which makes the room temperature distribution more uniform.



Specifications



Flash Cooling



Flexible Installation



7 Speed Wind Control



Low Noise



Wifi Operation

Model			TUGRZCT24*	TUGRZCT36	TUGRZCT48*	TUGRZCT60*
Power supply side		-	Outdoor	Outdoor	Outdoor	Outdoor
IDU Power Supply		V~,Ph,Hz	208-230V - 1 - 50/60			
Voltage Range		-	187 - 253V	187 - 253V	187 - 253V	187 - 253V
Minimum Circuit Amps		A	19.15	19.15	27.60	27.60
Max. Fuse size		A	5	5	5	5
Capacity	Cooling	Btu/h	24000	36000	48000	55000
		W	7034	10550	14067	16120
Electric Data (T1)	Rated Cooling Power Input	W	1850	4150	4650	6400
	Rated Cooling Current	A	8.8	19.5	22.3	30.5
Indoor Fan Motor	Output Power	W	130	130	140	140
	Speed (Hi/Mi/Lo)	r/min	1400/1250/1050	1400/1250/1050	1350/1260/1170	1350/1260/1170
Indoor Unit	Indoor Air Flow(Hi/Mi/Lo)	m³/h	1780/1550/1300	1780/1550/1300	2180/2070/1900	2180/2070/1900
	Indoor sound pressure	dB(A)	56/53/50/46/43	56/53/50/46/43	57/54/53/51/48	57/54/53/51/48
	Indoor sound pressure	dB(A)	53	53	54	54
	Net Dimension (W*D*H)	In.	50" × 27" × 9"	50" × 27" × 9"	64" × 27" × 9"	64" × 27" × 9"
	Packing Dimension	In.	53" × 29" × 12"	53" × 29" × 12"	67" × 29" × 12"	67" × 29" × 12"
	Net Weight	lbs	66	66	82	82
	Gross Weight	lbs	73	73	93	93
Refrigerant Pipe	Gas Side	In.	5/8"	5/8"	5/8"	5/8"
	Liquid Side	In.	3/8"	3/8"	3/8"	3/8"
Interconnecting Wiring (IDU&ODU)		AWG	3/18	3/18	3/18	3/18
Operation Temperature Range		°F	61° - 88°	61° - 88°	61° - 88°	61° - 88°
Qty' Per 20'/40'/40HQ		-	84/175/200	84/175/200	63/140/160	63/140/160
IDU+ODU Qty' Per 20'/40'/40HQ		-	32/73/82	32/73/82	27/56/62	27/56/62

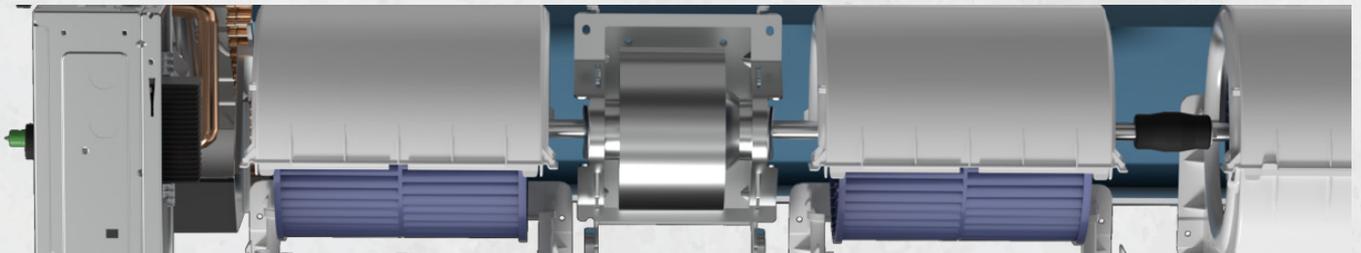
*Depending on Dip Switch setting. Please see the service manual.

DUCT UNIT



Easy Maintenance

The motor and fan impeller can be disassembled easily and open the fan impeller casing.



Slim Body (245mm)

Duct are new designed body of 245mm thickness which is convenient for concealed installation. Greatly saves the installation area and can match a variety of decoration styles.



Specifications



Easy Maintenance



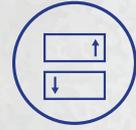
Wired Controller



Temperature Control



7 Speed Wind Control

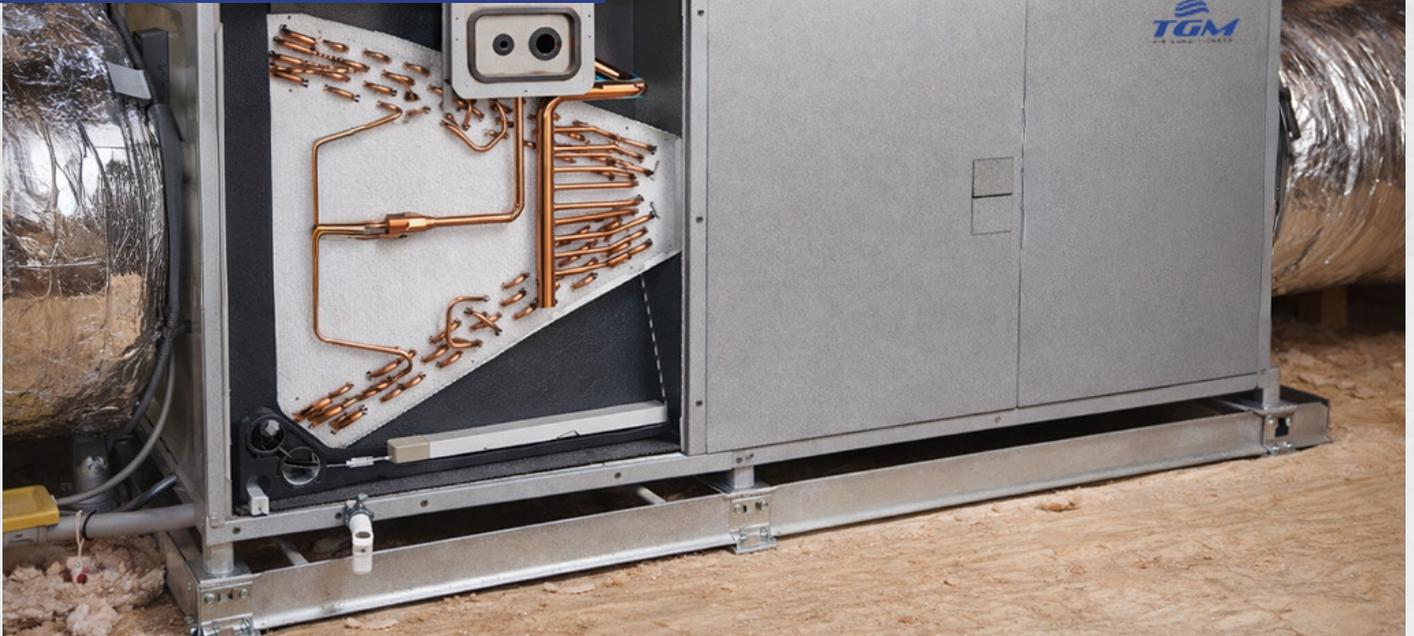


Flexible Installation

Model		TFCCT24S*	TFCCT36S	TFCCT48S*	TFCCT60S	
Power supply side	-	Outdoor	Outdoor	Outdoor	Outdoor	
IDU Power Supply	V~,Ph,Hz	208-230V - 1 - 50/60				
Voltage Range	-	187 - 253V	187 - 253V	187 - 253V	187 - 253V	
Minimum Circuit Amps	A	20.45	20.45	28.60	28.60	
Max. Fuse size	A	8	8	8	8	
Capacity	Cooling	Btu/h	24000	36000	48000	55000
		W	7034	10550	14067	16120
Electric Data (T1)	Rated Cooling Power Input	W	1900	3900	4700	6200
	Rated Cooling Current	A	9.0	18.5	22.5	29.5
Indoor Fan Motor	Output Power	W	400	400	400	400
	Speed (Hi/Mi/Lo)	r/min	1050/1000/950	1050/1000/950	1190/1070/960	1190/1070/960
Indoor Unit	Indoor Air Flow(Hi/Mi/Lo)	m³/h	1900	1900	2500	2500
	Indoor Sound Pressure (S/H/M/L/Mute)	dB(A)	47/44/42/40/39	47/44/42/40/39	54/51/48/45/44	54/51/48/45/44
	Indoor Sound Pressure (Standard rating conditions)	dB(A)	44	44	51	51
	Net Dimension (W*D*H)	mm	47" × 28" × 10"	47" × 28" × 10"	55" × 28" × 10"	55" × 28" × 10"
	Packing Dimension (W*D*H)	mm	56" × 33" × 11"	56" × 33" × 11"	64" × 33" × 11"	64" × 33" × 11"
	Net Weight	lbs	82	82	90	90
	Gross Weight	lbs	95	95	106	106
Refrigerant Pipe	Gas Side	mm	5/8"	5/8"	5/8"	5/8"
	Liquid Side	mm	3/8"	3/8"	3/8"	3/8"
Interconnecting Wiring (IDU&ODU)	AWG	3/18	3/18	3/18	3/18	
Operation Temperature Range	°F	61° - 88°	61° - 88°	61° - 88°	61° - 88°	
Qty' Per 20'/40'/40HQ	-	77/154/176	77/154/176	49/98/112	49/98/112	
IDU+ODU Qty' Per 20'/40'/40'HQ	-	32/70/79	32/70/79	25/55/57	25/55/57	

*Depending on Dip Switch setting. Please see the service manual.

AIR HANDLER UNIT



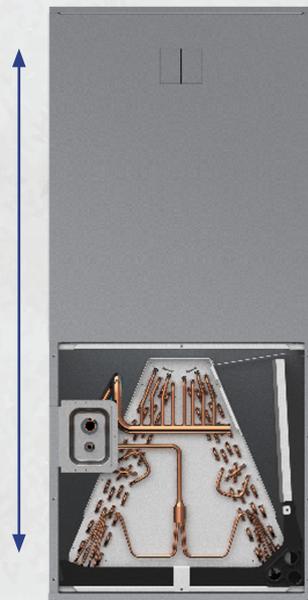
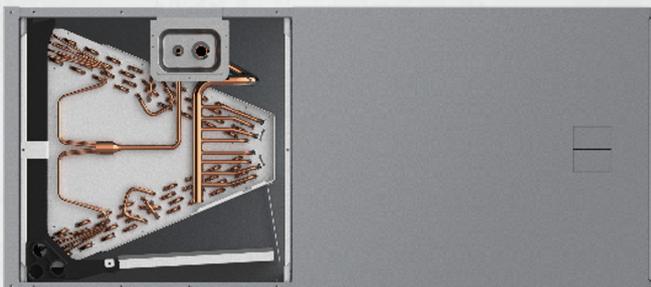
Gold Fin

The evaporator adopts golden fins, which have better anti-corrosion performance.

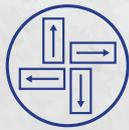


Multiple Installation Methods

Offers versatile placement options: it can be installed horizontally for eaves or vertically for basement setups. This flexibility allows the unit to adapt seamlessly to different architectural requirements.



Specifications



Multi-position
Installation



DC Fan
Motor



Low Noise



Hotel Mode



7 Speed
Wind Control

Model			TTAC002A*	TTAC004A	TTAC006A*	TTAC007A
Power supply side		-	Outdoor	Outdoor	Outdoor	Outdoor
IDU Power Supply		V~,Ph,Hz	208-230V - 1 - 50/60			
Voltage Range		-	187 - 253V	187 - 253V	187 - 253V	187 - 253V
Minimum Circuit Amps		A	20.55	20.55	29.40	29.40
Max. Fuse size		A	4	4	4	4
Capacity	Cooling	Btu/h	24000	36000	48000	55000
		W	7034	10550	14067	16120
Electric Data (T1)	Rated Cooling Power Input	W	2000	3600	4600	5900
	Rated Cooling Current	A	10.0	17.0	22.0	28.0
Indoor Fan Motor	Output Power	W	280	280	400	400
	Speed (Hi/Mi/Lo)	r/min	900/800/700	900/800/700	1040/950/850	1040/950/850
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m ³ /h	2500/2100/1700	2500/2100/1700	2800/2500/2100	2800/2500/2100
	Indoor Sound Pressure (S/H/M/L/Mute)	dB(A)	60/59/56/53/51	60/59/56/53/51	64/62/60/57/56	64/62/60/57/56
	Indoor Sound Pressure (Standard rating conditions)	dB(A)	59	59	62	62
	Net Dimension (WxDxH)	In	48" × 21" × 21"	48" × 21" × 21"	48" × 21" × 21"	48" × 21" × 21"
	Packing Dimension (WxDxH)	In	53" × 24" × 23"	53" × 24" × 23"	53" × 24" × 23"	53" × 24" × 23"
	Net Weight	lbs	126	126	132	132
	Gross Weight	lbs	154	154	161	161
Refrigerant Pipe	Gas Side	In	5/8"	5/8"	5/8"	5/8"
	Liquid Side	In	3/8"	3/8"	3/8"	3/8"
Interconnecting Wiring (IDU&ODU)		AWG	3/18	3/18	3/18	3/18
Operation Temperature Range		°F	61° - 88°	61° - 88°	61° - 88°	61° - 88°
Qty'per 20'& 40'&40 HQ		-	30/60/120	30/60/120	30/60/120	30/60/120
IDU+ODU Qty'per 20'& 40'&40 HQ		-	24/53/72	24/53/72	24/53/72	23/49/55

*Depending on Dip Switch setting. Please see the service manual.



TGM

AIR CONDITIONERS

