









Product Data Catalog

Subject to change without notice Manufacturing point: Jeddah, Saudi Arabia Nearest port of embarkation: Jeddah Islamic port Product classification: Commercial

50TJM

Nominal Cooling Capacity 15 - 28 Tons HFC R-410A Refrigerant

The 50TJM units are single side discharge rooftop cooling unit utilizing electric heat as an option. Units are prewired, pre-charged with R-410A refrigerant, and tested at the factory. These units can be placed on the side of a building or can be placed on a roof without roof curbs. Each unit is designed to occupy a minimal space. Piping and drain connections are readily accessible.

Contact your local Carrier representative for additional reference materials.

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Features / Benefits

Every compact one-piece unit arrives fully assembled, charged, tested, and ready to run.

Durable-Dependable Construction

Designed for durability in any climate, the weather-resistant cabinets are constructed of galvanized steel, bonderized, and all exterior panels are coated with a pre-painted baked enamel finish. The paint finish is non-chalking, and is capable of withstanding ASTM (American Society for Testing and Materials) B117 500-hour Salt Spray Test. All internal cabinet panels are primed, permitting longer life and a more attractive appearance for the entire unit. Totally enclosed condenser-fan motor and permanently lubricated bearings provide additional unit dependability.

Indoor-Air Quality

Non corrosive sloped condensate pans minimize biological growth in rooftop units in accordance with ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers) Standard 62-99 (IAQ). 1"inch filters provide for greater particle reduction in the return air.

Simple, Electrical Connections

Terminal boards, located in the unit control box, facilitate connections to room thermostat, outdoor thermostat(s) and electric heater. Service panels are quickly removed, permitting easy servicing. Both power and control connections are made on the same side of the unit to simplify installation. In addition, color-coded wires permit easy tracing and diagnostics.

Easy Installation

All units feature base rail design with forklift slots and rigging holes for easier maneuvering. Durable packaging protects all units during shipment and storage. Convenient side by side openings permit installation very close to face of buildings or on roof top. The non-corrosive sloped condensate pan minimizes residual condensate in off cycle. An external, field-supplied P-trap is required. Field-installed electric heaters are available in two convenient capacities 30kW or 40kW.

Installation Features

- Single point electrical service entry
- Side discharge application
- No roof curb needed
- Side by side supply and return air
- Separate panel for control box

Performance Features

- HFC R-410A refrigerant
- ASHRAE Compliant
- EER's up to 11
- TXV refrigerant metering device
- Two independent refrigerant circuits, each with a scroll compressor
- Low outdoor temperature cooling operation down to 40° F
- Liquid filter drier standard on each circuit
- 10% fresh air intake
- Non-corrosive sloped condensate drain pan in accordance to ASHRAE 62 standard
- Thermally protected and permanently lubricated condenser and evaporator fan motors
- Angle type return air section with washable type filters

Environmentally Sound Refrigerant Choice

R410A refrigerant is:

- A chlorine-free refrigerant from the HFC group
- Has zero ozone depletion potential
- High pressure refrigerant, therefore less refrigerant is required
- Thermally efficient and provides high EER (energy efficiency), COP, and part load efficiencies

Superior Reliability, Efficiency and Safety

- Exceptional endurance tests
 - Painted panels tested to ASTM B-117 500 hours salt spray protection
 - Pre-coated fin condenser coil for extra corrosion protection
- Compressor Protection:
 - High and low pressure cutouts
 - Compressor lockout
 - Phase protection relay
 - · Crankcase heaters are standard for all units
 - Internal over temperature protection
 - Freeze protection
- Low vibration design:
 - Leak-tight refrigerant circuit
 - Brazed refrigerant connections for increased leak tightness
 - Low-noise scroll compressors with low vibration levels
- Control circuit protected by circuit breaker
- Thermally protected and permanently lubricated condenser and evaporator fan motors
- Angle type return air section with washable type filters
- Transformer for safe 24v control circuit supply included
- High Efficiency, High Static Blower
- State-of-art scroll compressor technology
- Dual, electrically and mechanically independent refrigerant circuit
- Double skin construction, Insulated cabinet

SHIPPING INFORMATION

Unit data with Condenser Al/Cu and Evaporator Cu/Al Coils and Condenser only Pre-coat Al/CU

Unit Model	Сар.		ximate g Weight	Approximate Shipp (L x D		
Number	Tons	kg	lbs	mm	in	
50TJM-18AxAxxxAxAS	15	925	2,017		00 00 54	
50TJM-24AxAxxxAxAS	19	945	2,050	2,440x2,235x1,375	96x88x54	
50TJM-28AxAxxxAxAS	23	1,190	2,854	0.000 0.405 4.400	100 00 55	
50TJM-34AxAxxxAxAS	28	1,215	2,877	3,200x2,485x1,400	126x98x55	

Unit data with Condenser Only Cu/Cu Coils

Unit Model	Сар.		ximate g Weight	Approximate Shipping Dimensions (L x D x H)		
Number	Tons	kg lbs		mm	in	
50TJM-18AxExxxAxAS	15	990	2,183	0.440.0005.4.075	96x88x54	
50TJM-24AxExxxAxAS	19	1,032	2,275	2,440x2,235x1,375	90000004	
50TJM-28AxExxxAxAS	23	1,340	2,954	2 200v2 495v4 400	126v00vEE	
50TJM-34AxExxxAxAS	28	1,365	3,009	3,200x2,485x1,400	126x98x55	

Unit data with Condenser and Evaporator Cu/Cu Coils

Unit Model	Сар.		ximate g Weight	Approximate Shipping Dimension (L x D x H)			
Number	Tons	kg lbs		mm	in		
50TJM-18AxCxxxAxAS	15	1,074	2,367		22 22 74		
50TJM-24AxCxxxAxAS	19	1,116	2,460	2,440x2,235x1,375	96x88x54		
50TJM-28AxCxxxAxAS	23	1,452	3,201	3,200x2,485x1,400	126x98x55		
50TJM-34AxCxxxAxAS	28	1,477	3,256	3,200x2,465x1,400	120090000		

FACTORY INSTALLED OPTIONS

Option	Description				
Indoor for avetem	Standard				
Indoor fan system	High efficiency motor				
Refrigerant sight glass	Installed on each circuit				
Pre-coated	Condenser only				
Copper fins	Condenser only				
Copper fins	Evaporator and Condenser				

NOTE: Please refer to the Product Nomenclature for ordering information

FIELD INSTALLED ACCESSORIES

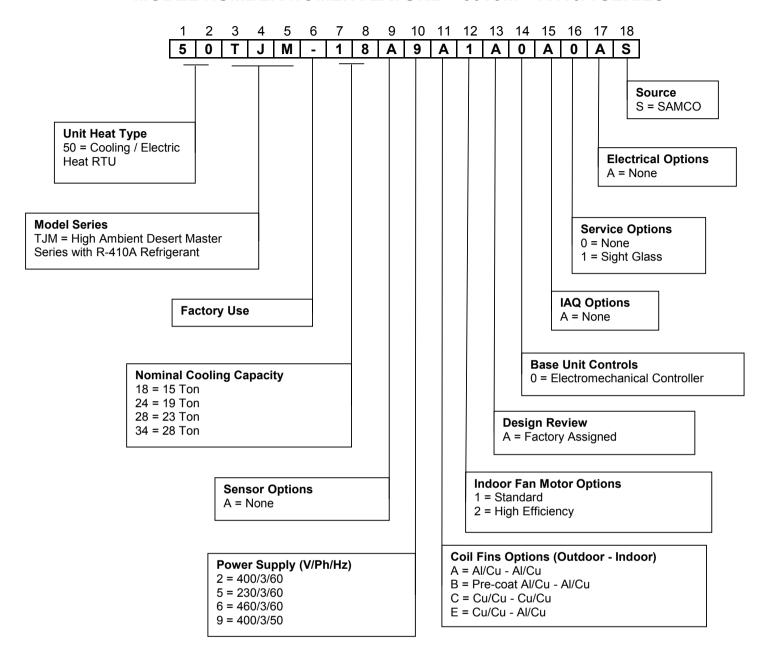
Accessory Electric Heater - 400V

UNIT	Complete Kit	Casing P.N.	Heater Element P. N.	Electric Heater I	Kits	
50TJM	P.N.	(1 Per Kit)	(2 Per Kit)	Description	Stages	Size (Kw)
18	50TJ600287	50TJ600289	CPHEATER036A00	Duct heater assembly, 480V	2	30
24	50TJ601162	50TJ600289	CPHEATER037A00	Duct heater assembly, 480V	2	40
28	50TJ600730	50TJ600727	CPHEATER037A00	Duct heater assembly, 480V	2	40
34	50TJ600730	50TJ600727	CPHEATER037A00	Duct heater assembly, 480V	2	40

NOTE: Heaters are rated at 480 V. Use the Multiplication Factors table below to determine heater capacity for your particular voltage.

Heater Rating	M	Multiplication Factors							
Voltage	380 400 460 480								
480	0.620	0.700	0.920	1.000					

MODEL NUMBER NOMENCLATURE - 50TJM - R410A SERIES



AHRI Capacity Rating*

Unit 50TJM	Nominal Ton	Standard CFM	Net Cooling Capacity (BTU/hr)	Net Cooling Capacity (Watt)	Net Cooling Capacity (Ton)	CFM/TON	EER	Sound Rating (Decibels)
18	15	5,300	172724	50637	14.4	368	11.2	90.3
24	19	6,700	208745	61197	17.4	385	11.1	90.9
28	23	8,000	259367	76038	21.6	370	11.7	90.6
34	28	9,000	302972	88821	25.2	356	10.5	91.1

Bels - Sound Levels (1 bel = 10 decibels)

EER - Energy Efficiency Ratio

- 1. Rated in accordance with AHRI Standards 210/240-89 or 360-86 and 270-84.
- 2. Ratings are net values, reflecting the effects of circulating fan heat.

Cooling Standard: 80 F db, 67 wb indoor entering-air temperature and 95 F db air entering outdoor unit, Side Discharge, 0.4 iwg External Static. .

^{*}AHRI - Air Conditioning, Heating and Refrigeration Institute.

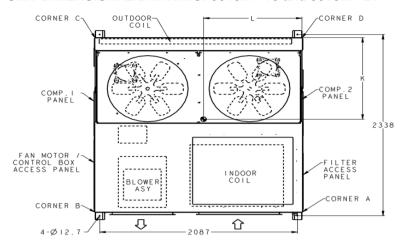
Physical Data - English

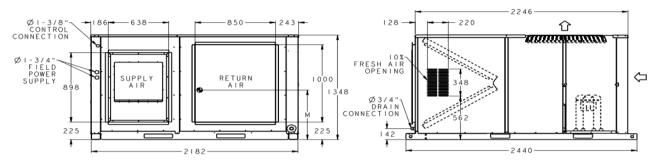
	Physical Data (50H	24	28	34			
Unit 50TJM Size Unit Dimensions		= -					
	Pag			je - 10			
Unit Operating Weight	Pag	e - 9	Pag	je - 10			
Refrigeration System							
Compressor No. / Type		2/5	Scroll				
Stage Of Capacity Control (%)		50	/ 50				
Refrigerant Type		Puron @	® R410A				
Circuts No.			2				
Charge Per Circuit (Down / Up) -LBS	15.96 / 15.96	22.19 / 25.62	31.19 / 29.19	31.62 / 31.3			
Metering Device	10.007 10.00		djustable	1 01.02 / 01.0			
Filter Drier Qty / Size	2 / DM		•	MS165S			
High Pressure Switch (Trip / Reset) - PSIG			/ 480				
Low Pressure Switch (Trip / Reset) - PSIG			/ 70				
			/ -14				
Freeze Protection Thermostat (Open / Close) ±1.8 ⁰ F		-10	7 - 14				
Condenser Coil							
Coil Tuno	Conner Turks	Aluminum Davis	lo Mary Eige	Copper Tube			
Coil Type	Copper rube	e, Aluminum Doub	ue vvavy rifis	Aluminum LS Fins			
Standard Coil Material		Copper /	Aluminium	10			
Qty x Rows x FPI	1 x 3 x 16	1 x 4 x 16	2 x	3 x 17			
Qty x Face Area (ft²)	1 x 2	26.7	2 x	28.8			
Coil Test Pressure (PSIG)	450						
Condenser Fan & Motor	1						
	12000	12000	10200	16700			
Approx. Air Flow Rate (CFM)	12000	13000	18200	16700			
Quantity	00		2	2 / 2			
Diameter (in) / No. of Blades	30		_	0/6			
Motor Type			- Totally Enclosed	1			
Motor HP / RPM		17	950				
Evaporator Coil							
Coil Type		Copper Tube, Alu	minum LSW Fins	S.			
Standard Coil Material		Copper /	Aluminium				
Qty x Rows Qty x FPI	2 x 3	x 17	2 x 4 x 17				
Qty x Face Area (ft ²)	2 x 9	9.75	2 x 10.3				
Coil Test Pressure		3.	50				
Drain Pan connection Size (in)		3	/4				
Return Air Filter Qty x Size (in)	4 x 33.8		4 x 35.4 x 21.7				
	1						
Evaporator Fan and Motor Section	1 / 15 75	5 x 15.75	1 / 17	.7 x 17.7			
Fan Quantity / Fan Size (in)	17 15.75			./ X 1/./			
Fan Type			Forward Blade				
Drive Type			elt				
Motor Type	1.0		lotor - TEFC	- -			
Motor BHP	4.0		.5	7.5			
Motor Frame Size / Motor Shaft Diameter (mm)	100 / 28		/ 28	132 / 38			
Motor Pulley Pitch Diameter (Min / Max) (in)	ļ	3.7 / 4.7		4.3 / 5.6			
Fan RPM Range (RPM)	1030 - 745	- 753	1029 - 740				
Fan Pulley Pitch Diameter (in)	6.6 8.4						
Belt, QuantityType	1 BX66 1 BX71						
Pulley Center To Center Distance(in)		24.4 -	27.51				
Movable Pulley Maximum Full Turns From Closed	6						
•							
Position							
Position Approx.Speed Change Per Full Turn Of Movable		4	18				
Position Approx.Speed Change Per Full Turn Of Movable Pulley Flange (rpm)			18	1.5			
Position Approx.Speed Change Per Full Turn Of Movable Pulley Flange (rpm) Factory Speed Turns Setting Factory Belt Standard Deflection (in) @ Force (Lb)	0.39 @ 4.65 Lb	4	5.99 Lb	1.5 0.40 @ 6.63			

Physical Data - SI

Unit Dimensions		it Physical Data (50		00	1 04				
Refrigeration System	Unit 50TJM Size	18	24	28	34				
Refrigeration System				_					
Comperssor No. / Type	Unit Operating Weight	Page	e - 9	Pag	je - 10				
Stage Of Capacity Control (%) 50 / 50									
Puron ® R410A Refrigerant Type									
Circuit No. 2 2 2 2 2 2 2 2 2	<u> </u>								
Charge Per Circuit (Down / Up) - kG									
Metering Device									
Filter Direr Qty / Size		7.23 / 7.23			14.34 / 14.23				
High Pressure Switch (Trip / Reset) - Bar				r					
Low Pressure Switch (Trip / Reset) - Bar	•	2 / DML			MS165S				
Condenser Coil	, , ,								
Condenser Coil Copper Tube, Aluminium Double Wavy Fins Copper Tube, Aluminium Copper Aluminium Copper Tube, Aluminium Copper Alum	, , ,								
Copper Tube, Aluminium Double Wavy Fins Copper Tube, Aluminium Double Wavy Fins Copper Tube, Aluminium Copper Tube, Aluminium Fins Standard Coil Material Copper Aluminium Copper Tube, Aliminium Copper Tu	Freeze Protection Thermostat (Open / Close) ±1 °C		-1	/7					
Copper Tube, Aluminium Double Wavy Fins Aluminium Fins Standard Coll Material Copper / Aluminium Fins Copper Fas & Motor Condenser Fan & Motor Copper / Aluminium C	Condenser Coil								
A	Coil Type	Copper Tube,	Aluminium Doub	le Wavy Fins	Copper Tube Aluminium LS' Fins				
City x Face Area (m²)	Standard Coil Material		Copper / /	Aluminium					
Condenser Fan & Motor	Qty x Rows x Fins	1 x 3 x 1280	1 x 4 x 1280	2 x 3	x 1472				
Condenser Fan & Motor	Qty x Face Area (m ²)	1 x 2	2.5	2	x 2.7				
Approx. Air Flow Rate (m³/hr) 20376 22074 30903.6 28356.6 Quantity 2 Diameter (mm) / No. of Blades 762 / 4 762 / 6 Motor Type Induction Motor - Totally Enclosed Motor HP/ RPS Induction Motor - Totally Enclosed Motor HP/ RPS Copper Tube, Aliminium LSW Fins Standard Coil Material Copper / Aluminium Qty x Rows x Fins 2 x 3 x 663 2 x 4 x 663 Qty x Face Area (m²) 2 x 0.91 2 x 0.96 Coil Test Pressure 24 Drain Pan connection Size (mm) 19.05 Return Air Filter Qty x Size (in) 4 x 860 x 550 4 x 900 x 550 Evaporator Fan and Motor Section Fan Quantity / Fan Size (mm) 1 / 400 x 400 1 / 450 x 450 Eran Type Centrifugal- Forward Blade Drive Type Belt Motor Type Induction Motor - TEFC Motor BkW 3.0 4.0 5.5 Motor Pulley Pitch Diameter (mm) 94 / 119.4 109 / 144 Fan RPM Range (r/s) 17.2 - 12 Fan Pylley Pitch Diameter (mm) 94 / 119.4 109 / 144 Fan RPM Range (r/s) 17.2 - 12 Fan Pulley Pitch Diameter (mm) 620 - 699 Movable Pulley Maximum Full Turns From Closed Position Movable Pulley Maximum Full Turns From Closed Position Movable Pulley Maximum Full Turns From Closed Position Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8	Coil Test Pressure (PSIG)		3	31					
Quantity 2 762 / 6 Motor Type Induction Motor - Totally Enclosed Motor HP/ RPS Induction Motor - Totally Enclosed Induction Motor - Totally Enclosed Induction Motor - Totally Enclosed Induction Motor - TEFC Induction Motor - TeF	Condenser Fan & Motor	T							
Quantity 2 Diameter (mm) / No. of Blades 762 / 4 762 / 6 Motor Type Induction Motor - Totally Enclosed Motor HP/ RPS 1 / 16 Evaporator Coil Copper Tube, Aliminium LSW Fins Standard Coil Material Copper / Aluminium Qty x Rows x Fins 2 x 3 x 663 2 x 4 x 663 Qty x Face Area (m²) 2 x 0.91 2 x 0.96 Coil Test Pressure 24 Drain Pan connection Size (mm) 1 9.05 Return Air Filter Qty x Size (in) 4 x 860 x 550 4 x 900 x 550 Evaporator Fan and Motor Section Fan Quantity / Fan Size (mm) 1 / 400 x 400 1 / 450 x 450 Earn Type Centrifugal- Forward Blade Drive Type Belt Motor Type Induction Motor - TEFC Motor PRW 3.0 4.0 5.5 Motor Pulley Pitch Diameter (Min / Max) (mm) 94 / 119.4 1 109 / 141 Fan RPM Range (r/s) <th col<="" td=""><td>Approx. Air Flow Rate (m³/hr)</td><td>20376</td><td>22074</td><td>30903.6</td><td>28356.6</td></th>	<td>Approx. Air Flow Rate (m³/hr)</td> <td>20376</td> <td>22074</td> <td>30903.6</td> <td>28356.6</td>	Approx. Air Flow Rate (m ³ /hr)	20376	22074	30903.6	28356.6			
Induction Motor - Totally Enclosed Motor HP/ RPS				2	•				
Evaporator Coil Copper Tube, Aliminium LSW Fins Copper Y Aluminium Coty x Rows x Fins Copper / Aluminium Coty x Face Area (m²) Coul Test Pressure Coty x Face Area (m²) Coul Test Pressure Coty x Face Area (m²) Coul Test Pressure Coty x Face Area (m²) Coty x Face Area (m²) Coul Test Pressure Coty x Face Area (m²) Coty x Face Area (m²)	Diameter (mm) / No. of Blades	762	/ 4	76	62 / 6				
Copper Tube, Aliminium LSW Fins	Motor Type		Induction Motor -	Totally Enclosed					
Coli Type	Motor HP/ RPS		1 /	16					
Copper / Aluminium	Evaporator Coil								
Copper / Aluminium	Coil Type		Copper Tube, Ali	minium LSW Fins	 S				
City x Face Area (m²) 2 x 0.91 2 x 0.96 Coil Test Pressure 24 Drain Pan connection Size (mm) 19.05 Return Air Filter Qty x Size (in) 4 x 860 x 550 4 x 900 x 550 Evaporator Fan and Motor Section 1 / 450 x 450 1 / 450 x 450 Fan Quantity / Fan Size (mm) 1 / 400 x 400 1 / 450 x 450 Fan Type Centrifugal- Forward Blade Drive Type Belt Motor Type Induction Motor - TEFC Motor BkW 3.0 4.0 5.5 Motor Pulley Pitch Diameter (mm) 100 / 28 112 / 28 132 / 36 Motor Pulley Pitch Diameter (Min / Max) (mm) 94 / 119.4 109 / 141 Fan RPM Range (r/s) 17.2 - 12.4 17.4 - 12.5 17.2 - 12 Fan Pulley Pitch Diameter (mm) 167.6 212.2 Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 6 Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8									
Qfy x Face Area (m²) 2 x 0.91 2 x 0.96 Coil Test Pressure 24 Drain Pan connection Size (mm) 19.05 Return Air Filter Qty x Size (in) 4 x 860 x 550 4 x 900 x 550 Evaporator Fan and Motor Section 1 / 450 x 450 1 / 450 x 450 Fan Quantity / Fan Size (mm) 1 / 400 x 400 1 / 450 x 450 Fan Type Centrifugal- Forward Blade Drive Type Belt Motor Type Induction Motor - TEFC Motor BkW 3.0 4.0 5.5 Motor Pulley Pitch Diameter (mm) 100 / 28 112 / 28 132 / 38 Motor Pulley Pitch Diameter (Min / Max) (mm) 94 / 119.4 109 / 141 Fan RPM Range (r/s) 17.2 - 12.4 17.4 - 12.5 17.2 - 12 Fan Pulley Pitch Diameter (mm) 167.6 212.2 Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 6 Movable Pulley Maximum Full Turns From Closed Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8	Qty x Rows x Fins	2 x 3 x							
Coil Test Pressure									
Return Air Filter Qty x Size (in)			2	24					
Evaporator Fan and Motor Section Fan Quantity / Fan Size (mm) 1 / 400 x 400 1 / 450 x 450 Fan Type Centrifugal- Forward Blade Drive Type Belt Motor Type Induction Motor - TEFC Motor BkW 3.0 4.0 5.5 Motor Frame Size / Motor Shaft Diameter (mm) 100 / 28 112 / 28 132 / 38 Motor Pulley Pitch Diameter (Min / Max) (mm) 94 / 119.4 109 / 141 Fan RPM Range (r/s) 17.2 - 12.4 17.4 - 12.5 17.2 - 12 Fan Pulley Pitch Diameter (mm) 167.6 212.2 Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 620 - 699 Movable Pullley Maximum Full Turns From Closed 6 Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8	Drain Pan connection Size (mm)		19	.05					
Fan Quantity / Fan Size (mm) Fan Type Centrifugal- Forward Blade Drive Type Belt Motor Type Induction Motor - TEFC Motor BkW Motor Frame Size / Motor Shaft Diameter (mm) Motor Pulley Pitch Diameter (Min / Max) (mm) Fan RPM Range (r/s) Fan Pulley Pitch Diameter (mm) Belt 100 / 28 112 / 28 132 / 38 132 / 38 132 / 38 132 / 38 132 / 38 133 / 38 134 / 38 135 / 38 136 / 38 137 / 38 137 / 38 138 / 38 139 / 38 130 / 4.0 / 5.5 130 / 4.0 / 5.5 131 / 2 / 28 132 / 38 132 / 38 132 / 38 133 / 38 134 / 38 135 / 38 136 / 38 137 / 38 138 / 38 138 / 38 139 / 38 130 / 4.0 / 5.5 131 / 2 / 28 132 / 38 132 / 38 132 / 38 132 / 38 132 / 38 133 / 38 133 / 38 14 / 0 / 14 15 / 19 / 14 16 / 19 / 14 17 / 4 - 12.5 / 17 17 / 2 - 12 17 / 2 - 12 17 / 3 / 18 18 / 3 / 38 18 /	Return Air Filter Qty x Size (in)	4 x 860	x 550	4 x 90	00 x 550				
Fan Quantity / Fan Size (mm)	Evaporator Fan and Motor Section								
Centrifugal- Forward Blade	-	1 / 400	x 400	1 / 45	0 x 450				
Drive Type									
Motor Type Induction Motor - TEFC Motor BkW 3.0 4.0 5.5 Motor Frame Size / Motor Shaft Diameter (mm) 100 / 28 112 / 28 132 / 38 Motor Pulley Pitch Diameter (Min / Max) (mm) 94 / 119.4 109 / 141 Fan RPM Range (r/s) 17.2 - 12.4 17.4 - 12.5 17.2 - 12 Fan Pulley Pitch Diameter (mm) 167.6 212.2 Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 620 - 699 Movable Pullley Maximum Full Turns From Closed Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8									
Motor BkW 3.0 4.0 5.5 Motor Frame Size / Motor Shaft Diameter (mm) 100 / 28 112 / 28 132 / 38 Motor Pulley Pitch Diameter (Min / Max) (mm) 94 / 119.4 109 / 141 Fan RPM Range (r/s) 17.2 - 12.4 17.4 - 12.5 17.2 - 12 Fan Pulley Pitch Diameter (mm) 167.6 212.2 Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 620 - 699 Movable Pullley Maximum Full Turns From Closed 6 Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley 0.8			Induction M	lotor - TEFC					
Motor Frame Size / Motor Shaft Diameter (mm) 100 / 28 112 / 28 132 / 38 Motor Pulley Pitch Diameter (Min / Max) (mm) 94 / 119.4 109 / 141 Fan RPM Range (r/s) 17.2 - 12.4 17.4 - 12.5 17.2 - 12 Fan Pulley Pitch Diameter (mm) 167.6 212.2 Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 620 - 699 Movable Pullley Maximum Full Turns From Closed 6 Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley 0.8		3.0			5.5				
Motor Pulley Pitch Diameter (Min / Max) (mm) 94 / 119.4 109 / 141 Fan RPM Range (r/s) 17.2 - 12.4 17.4 - 12.5 17.2 - 12 Fan Pulley Pitch Diameter (mm) 167.6 212.2 Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 620 - 699 Movable Pullley Maximum Full Turns From Closed 6 Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8		+			132 / 38				
Fan RPM Range (r/s) 17.2 - 12.4 17.4 - 12.5 17.2 - 12 Fan Pulley Pitch Diameter (mm) 167.6 212.2 Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 620 - 699 Movable Pullley Maximum Full Turns From Closed 6 Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley 0.8					109 / 141.6				
Fan Pulley Pitch Diameter (mm) Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) Movable Pulley Maximum Full Turns From Closed Position Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 1 BX66 1 BX7 6 0.8		17.2 - 12.4	17.4	- 12.5	17.2 - 12.3				
Belt, QuantityType 1 BX66 1 BX7 Pulley Center To Center Distance(mm) 620 - 699 Movable Pullley Maximum Full Turns From Closed Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8		 	_						
Pulley Center To Center Distance(mm) Movable Pullley Maximum Full Turns From Closed Position Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 6 0.8		<u> </u>							
Movable Pullley Maximum Full Turns From Closed Position 6 Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8				- 699	•				
Approx. Speed Change Per Full Turn Of Movable Pulley Flange (rps) 0.8	Movable Pullley Maximum Full Turns From Closed								
- J- (1-7	Approx. Speed Change Per Full Turn Of Movable Pulley	/							
Factory Speed Turns Setting 4 1.5				.8	T .				
Factory Belt Standared Deflection (mm) @ Force (N) 10 @ 20.7 N 10 @ 26.7 N 10.2 @ 29.					1.5 10.2 @ 29.5 l				

UNIT DIMENSIONAL DRAWING: 50TJM - 18 and 50TJM - 24



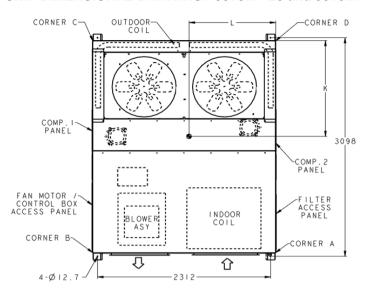


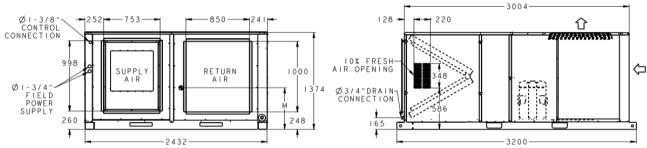
	SHIPPI	NG DIMENSION	CORNER WEIGHT (Kg)				g)	CEI	NTER OF GRAVITY	(mm)	
UNIT	LENGTH	WIDTH	DEPTH	Α	В	U	D	TOTAL	K	L	M
50TJM - 18	2440	2235	1375	192	178	236	254	860	1050	1050	450
50TJM - 24	2440	2440 2235	1375	197	182	241	260	880	1050	1050	450

NOTES:

- 1. Dimensions are in millimeters.
- 2. Center of Gravity.
- 3. Direction of Airflow
- 4. Minimum clearance:
 - REAR: 2134mm for coil removal. This dimension can be reduced to 1219mm if conditions permit coil removal from the top.
 - TOP: 1829mm to assure proper condenser fan operation.
 - SIDE: 1219mm for Compressor, Filter and Control boxes access.
 - Local codes or jurisdiction may prevail.
- 5. With the exception of clearance for the condenser coil and the damper / power exhaust as stated in Note no. 6, a removal fence or barricade requires no clearance.
- 6. Dimensions are from outside of corner post. Allow 8mm on each side for top cover drip edge.
- 7. Weights are Given for aluminum evaporator and condenser coil plate fins.

UNIT DIMENSIONAL DRAWING: 50TJM - 28 and 50TJM - 34





	SHIPPII	NG DIMENSION	CORNER WEIGHT (Kg)				g)	CEN	TER OF GRAVITY	(mm)	
UNIT	LENGTH	WIDTH	DEPTH	Α	В	С	D	TOTAL	K	L	M
50TJM - 28	3200	2495	1400	248	226	310	340	1125	1350	1160	450
50TJM - 34	3200	3200 2485	1400	254	231	317	348	1150	1330	1100	450

NOTES:

- 1. Dimensions are in millimeters.
- 2. Center of Gravity.
- 3.

 Direction of Airflow
- 4. Minimum clearance:

REAR: 2134mm for coil removal. This dimension can be reduced to 1219mm if conditions permit coil removal from the top.

TOP: 1829mm to assure proper condenser fan operation.

SIDE: 1219mm for Compressor, Filter and Control boxes access.

- Local codes or jurisdiction may prevail.
- 5. With the exception of clearance for the condenser coil and the damper / power exhaust as stated in Note no. 6, a removal fence or barricade requires no clearance.
- 6. Dimensions are from outside of corner post. Allow 8mm on each side for top cover drip edge.
- 7. Weights are Given for aluminum evaporator and condenser coil plate fins.