

TQSDT

SUBMITTAL DATA

TM12D6ECI
12000 BTU/H Cassette Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted to	For	
Unit Designation	Schedule No.	



YBE1FB5F



TM12D6ECI

GENERAL FEATURES

- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- 4 - Way Discharge Air
- Swing Louver Control
- Internal Condensate Drain Pump
- Wireless Remote with LCD Display Included
- Low Ambient Cooling and Heating
- (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested
- New R32 Refrigerant with Refrigerant Sensor

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

INDOOR MODEL		TM12D6ECI	
System Type		HEAT PUMP	
SYSTEM PERFORMANCE			
Cooling	Min - Max	Btu/h	900 - 14,100
	Capacity @95°F	Btu/h	12,000
	Min - Max	Btu/h	900 - 15,500
Heating	Capacity @47°F	Btu/h	12,000
	Capacity @17°F	Btu/h	7,500
	Capacity Max @5°F	Btu/h	7,600
SEER2		23.0	
EER2		13.0	
HSPF2		9.0	
COP @5°F		1.90	
Cooling Temperature Range		°F	-20 - 122
Heating Temperature Range		°F	-22 - 86
Refrigerant Type		R32	
INDOOR UNIT		TM12D6ECI	
Air flow (Min-Max)		CFM	206 - 330
Sound Pressure Level (Min - Max)		dB(A)	29 - 40
Dehumidification		pt/hr	2.96
External Dimensions (L x D x H)		in	22-7/16 x 22-7/16 x 10-7/16
Package Dimension (L x W x H)		in	27-31/64 x 25-45/64 x 11-39/64
Net Weight		lbs	37.5
Gross Weight		lbs	48.5
CASSETTE GRILLE (REQUIRED)		TF05	
Grille Dimension (L x D x H)		in	24-13/32 x 24-13/32 x 1-7/8
Package Dimension (L x W x H)		in	27-19/32 x 27-19/32 x 4-59/64
Weight (Net / Gross)		lbs	6.6 / 9.9
REFRIGERANT PIPING			
Refrigerant Charge - R410A		oz	28.2
Additional Charge		oz/ft	0.2
Line Set Sized by Indoor Unit (Liquid - Gas)		in	1/4 - 3/8
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 3/8
Pre-Charge Length		ft	25
Pipe Length (Min - Max)		ft	10 - 66
Max. Pipe Elevation		ft	40
ELECTRICAL			
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)	
Voltage Range (Min - Max)		VAC	187 - 253
Rated Current - Cooling		A	6.64
Rated Current - Heating		A	6.41
MCA		A	10
MOCP		A	15
Suggested Breaker Size		A	10
Main Power Wire Size		AWG	Per Local Code
Interconnecting Wire Size		AWG	14 / 4

FEATURES & FUNCTIONS SUMMARY

SYSTEM FEATURES

Inverter Type	G20 with Field Oriented control (FOC)
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type - Inverter	High Efficiency Rotary
Basepan With Electric Heater	Yes
Indoor & Outdoor Fin Coating (Blue Fin)	Yes
Intelligent Defrosting	Yes
Intelligent Preheating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Wired Controller Interface	Yes
WiFi Included	No
Indoor Fan Type	Centrifugal
Multi Fan Speeds	4 Speeds
Indoor Unit Display	Yes
Auxiliary Electrical Heater	No
Ventilation (Outdoor Air)	Yes

REMOTE CONTROLLER FUNCTIONS

Auto Mode	Yes
Auto Fan	Yes
Auto Swing (Horizontal Auto Swing)	No
Auto Swing - 180° (Vertical Auto Swing)	Yes
Clock	Yes
Dry Mode	Yes
Dry Anti-Mildew (X-Fan) Mode	Yes
Energy Saving Mode	Yes
Dirty Filter Alert	No
Fan Speed Control (7 Speeds)	Yes
I Feel Function	Yes
Privacy Lock	Yes
Quiet Mode	Yes
Room Temperature Display	No
Sleep Mode	Yes
3 Sleep Mode Options	Yes
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	Yes
Freeze Guard Mode	Yes
Power Failure Mode	Yes

NOTE:

Please check the Multi-zone submittals for Non-Ducted or Mixed Performance table.

