

SUBMITTAL DATA

TM24D6HDI

TM24D6HDI

24000 BTU/H Slim Duct (HS) Heat Pump System

Job Name

Location

Date

Purchaser

Engineer

Submmited to

For

Unit Designation

Schedule No.

GENERAL FEATURES

YBE1FB5F

- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Slim Line Construction
- High Static E.S.P Capability -Adjustible
- Internal Condensate Drain Pump

- Flexible Return Air From Bottom Or Rear
- Wireless Remote with LCD Display Included
- XE72-44/E Wi-Fi Wired Controller Included
- Low Ambient Cooling and Heating
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin

XE72-44/E

- Blue Colored Fin 500 Hrs Salt Spray Tested
- New R32 Refrigerant with Refrigerant Sensor

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

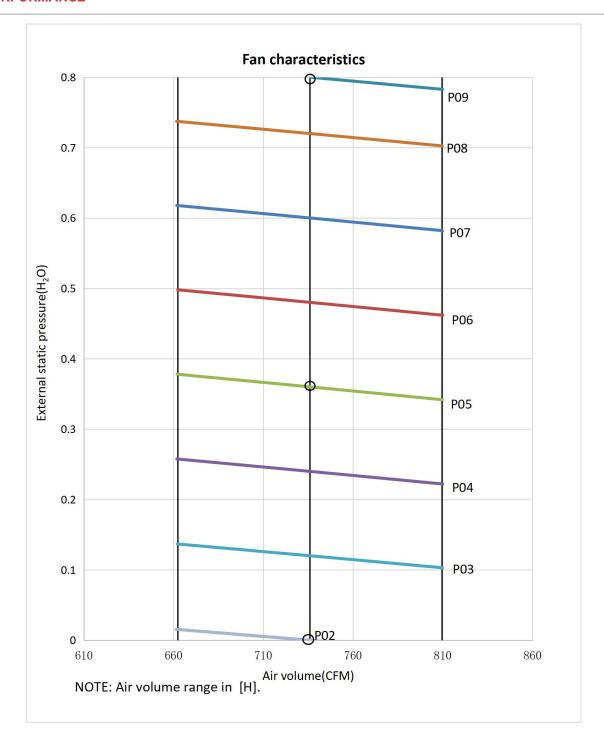
System Type	INDOOR MODEL			TM24D6HDI
No Coding Capacity 99°F (Capacity 99°F) But/h 3,600 - 26,500 Heating Capacity 99°F (Capacity 99°F) But/h 4,000 - 33,000 Heating Capacity 94°F (Capacity 94°F) But/h 15,600 SEER2 Capacity Max 95°F (Bit/h) 19,600 SEER2 19.5 EER2 19.5 COP 95°F (CAPACITY PARTY) F 1,20 Cooling Tamperature Range (CAPACITY PARTY) F -20 - 122 Heating Temperature Range (CAPACITY PARTY) F -20 - 122 Heating Temperature Range (CAPACITY PARTY) F -20 - 122 Heating Temperature Range (CAPACITY PARTY) F -20 - 122 Heating Temperature Range (CAPACITY PARTY) F -20 - 122 Heating Temperature Range (CAPACITY PARTYY) F -20 - 122 Heating Temperature Range (CAPACITY PARTYY) In W.C. 0.8 Scound Pressure Level Min - Max) (Max Yan) In W.C. 0.8 Scound Pressure Level Min - Max) (Max Yan) In Max Yan' Yan' Xan' Yan' Yan' Xan' Yan' Xan' Yan' Xan' Yan' Yan' Xan' Yan'				HEAT PLIMP
Cooling Min - Max Blu/h 3,600 - 26,500 Capacity 99°F Blu/h 4,000 - 33,000 Healing Capacity 94°F Blu/h 4,000 - 33,000 SER2 EER2 Blu/h 15,600 SER2 F 195 EER2 123 195 HSP2 F -20 - 122 Healing Remperature Range F -20 - 122 Healing Remperature Range F -22 - 86 Rolling Author Max In W. -22 - 86 Rolling Author Max In W. -23 - 80 Air flow Min-Max In W. -30 - 42 Euternal Dimensions Lx Valva In W. -30 - 42 Euternal Dimension Lx W x HI In W. -30 - 42 Perkage Dimension Lx W x HI In W. -43-16/4 x 29-11/16 x 11-13/16 Net Weight In See Sized by Index Unit Liquid - Gas 2) - Flared -10 - 42-16/4 x 29-11/16 x 11-13/16 Gross Weight In See Sized by Index Unit Liquid - Gas 2) - Flared In In 10 - 131 Line Set Sized by Index Unit Liquid - Gas 2) - Flared In In 10 - 131		NCE		TEAT COM
Coining Healing Capacity 49°5°F Blu/h 22,000 Healing Healing Capacity 49°TP Blu/h 4,000 - 33,000 SEER2 Capacity 48°TP Blu/h 15,600 SEER2 19.5 15,600 SEER2 19.0 15,600 SEER2 19.0 19.0 COPI 65°F 18.0 19.0 Cololing Temperature Range °F -20 - 122 Refrigerant Type °F -22 - 26 Refrigerant Type °FM 40.6 - 736 External Static Pressure Level Ufin - Vac2 Blu Month Max 10.8 External Static Pressure Level Ufin - Vac2 Blu Max 40.6 - 736 External Dimensions (t, x lb x H) in 44.31/64 x 29·11/16 x 11·13/16 External Dimensions (t, x lb x H) in 47.77/16 x 32·11/64 x 11·13/16 Package Dimension (t, x lb x H) in 47.77/16 x 32·11/64 x 11·13/16 Sering External Dimensions (t, x lb x H) in 47.77/16 x 32·11/64 x 11·13/16 Refrigerant Charge - R410A az 423 Refrigerant Charge - R410A <			Btu/h	3,600 - 26,500
Heating May 1				
Heating Marie of Mar				
SER2	Heating			
SEER2 19.5 EER2 12.3 HSP2 9.0 CoP 65°F 180 Cooling Temperature Range °F 20-122 Heating Temperature Range °F 22 - 86 Refrigerant Type R32 INDOR VINT TM20DeHUII Letternal Static Pressure (Max) In Wc. 0.8 Sound Pressure Level (Min- Max) dB(A) 30 - 42 Debumidification pUhr 5.28 External Static Pressure (Max) In Wc. 0.8 Sound Pressure Level (Min- Max) dB(A) 30 - 42 Debumidification pUhr 5.28 External Dimensions (L x D x H) in 44 - 31/64 x 29 - 11/16 x 11-13/16 Net Weight lbs 92.6 42.6 Gross Weight lbs 92.6 42.6 Gross Weight bc 423 42.4 Additional Charge rb rb 1/4 - 5/8 Line Set Size (Liquid - Gas) - Flared rb rb rb Corneccions				
RSFF2 90 COP 8F5 180 Cooling Temperature Range °F -2.20 - 122 Refrigerant Type R32 Refrigerant Type R32 NOOS WIT TWARD8HON Air flow (Min-Max) GFM 406 - 736 External Static Pressure (Max) In W.c. 0.8 Sound Pressure Level (Min - Max) dBM A 30 - 42 Debundification pUhr 5.28 External Dimansion (L x W x H) in 44 - 31/6 x 22-11/6 x 11-13/16 Package Dimension (L x W x H) in 44 - 77/6 x 32-1/64 x 14-11/6 x 11-13/16 Net Weight Ibs 92.6 Foress Weight Ibs 92.6 Gross Weight Ibs 10.9 Refrigerant Charge - R4IOA oz 42.3 Additional Charge oz/ft 0.4 Line Set Size (Liquid - Gas) - Flared oz 17/4 - 5/8 Pre-Charge Length ft 0.25 Pre-Charge Length (Min - Max) ft 0.25 Max. Pipe Elevation pt				19.5
RSPF2 9.0 COP 8F5 1.80 Cooling Temperature Range °F -2.0 - 122 Retrigerant Type RB - 2.2 - 66 Retrigerant Type TM200 INDOOR UNT TM200 Air flow (Min Max) CFM 406 - 796 External Static Pressure (Max) In W.C. 0.8 Sound Pressure Level (Min - Max) dBM A 30 - 42 Dehumidification pUhr 5.28 External Dimensions (L x W x H) in 44 - 31/6 x 22-11/6 x 11-13/16 Package Dimensions (L x W x H) in 44 - 77/6 x 32-1/64 x 14-11/64 Net Weight Ibs 9.2 c Gross Weight Ibs 9.2 c Retrigerant Charge - RAIOA oz 42.3 Additional Charge oz/ft 0.4 Line Set Size (Liquid - Gas) - Flared or 1/4 - 5/8 Line Set Size (Liquid - Gas) - Flared or 1/4 - 5/8 Pre-Charge Length (Min - Max) ft 0.25 Pipe Length (Min - Max) ft 0.25 Max. Pipe Ele	EER2			12.3
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Heating Temperature Range °F -22 - 86 Refrigerant Type R32 IMDOOR NINT TM240H01 Air flow (Min-Max) CFM 406 - 736 External Static Pressure (Max) In W.C. 0.8 Sound Pressure Level (Min - Max) dBCA 30 - 42 Dehumidification pt/hr 5.28 External Dimensions (L x D x H) in 44-31/4x x 29-1/1/6x 11-13/16 Package Dimension (L x W x H) in 47-77/6x 32-1/6x x 4-11/94 Net Weight Ibs 92.6 Gross Weight Ibs 92.6 Gross Weight Bb 92.6 Gross Weight Bb 92.6 Gross Weight Bb 92.6 Refrigerant Charge - R410A oz 423 Additional Charge oz/ft 0.4 Line Set Sized by Indoor Unit (Liquid - Gas) - Flared in 1/4 - 5/8 Connections ft 25 Pre-Charge Length ft 36 Pre-Charge Length ft 36 W	Cooling Temperature R	Range	*F	-20 - 122
Refrigerant Type R32 INDOOR UNIT TM240HBI Air flow Win-Maxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx			*F	-22 - 86
NDOOR UNIT CFM 406 - 736 Air I (ow (Min-Max) CFM 406 - 736 External Static Pressure (Max) In W.c. 0.8 Sound Pressure Level (Min - Max) dB(A) 30 - 42 Dehumidification pt/hr 5.28 External Dimensions (L x D x H) in 44-31/64 x 29-11/16 x 11-13/16 Package Dimension (L x W x H) in 47-77/16 x 32-10/64 x 14-11/64 Net Weight lbs 92.6 Foreswell (Min - Max) lbs 92.6 Refrigerant Charge - 78410A oz 423 Additional Charge oz/ft 0.4 Line Set Size (Liquid - Gas) - Flared Connections in 1/4 - 5/8 Line Set Size (Liquid - Gas) - Flared Connections if 25 Pre-Charge Length ft 25 Pre-Charge Length (Min - Max) ft 10 - 131 Max Pipe Elevation ft 208-230V / 194 / 604x (Powered by the Outdoor Unit) Value ge Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Curren				R32
External Static Pressure (Max) In W.c. 0.8 Sound Pressure Level (Min - Max) dB(A) 30 - 42 Dehumidification pthr 5.28 External Dimensions (L x D x H) in 44-31/64 x 29-11/16 x 11-13/16 Pexckage Dimension (L x W x H) in 44-37/64 x 32-1/64 x 14-11/64 Net Weight lbs 92.6 Gross Weight lbs 92.6 Gross Weight bbs 106.9 REFIGERANT PINIA 8 423 Refrigerant Charge - R410A oz 423 Additional Charge oz/ft 0.4 Line Set Size (Liquid - Gas) - Flared Connections in 1/4 - 5/8 Pre-Charge Length ft 25 Pipe Length (Min - Max) ft 10 - 131 Max. Pipe Elevation ft 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 155 MCA A 30				TM24D6HDI
Sound Pressure Level (Min - Max) dB(A) 30 - 42 Dehumidification pt/hr 5.28 External Dimensions (L x D x H) in 44-31/64 x 29-1/16 x 11-12/16 Package Dimension (L x W x H) in 47-7/16 x 32-1/64 x 14-11/64 Net Weight lbs 92.6 Gross Weight lbs 106-9 REFRIGERANT PIPING REFRIGERANT PIPING Refrigerant Charge - R410A oz 423 Additional Charge oz/ft 0.4 Line Set Sized by Indoor Unit (Liquid - Gas) in 1/4 - 5/8 Line Set Sized (Liquid - Gas) - Flared Connections in 25 Pre-Charge Length ft 25 Pipe Length (Min - Max) ft 25 Wax. Pipe Elevation ft 25 EVECTRICAL EVECTRICAL 20 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 155 MCA A 30 <t< td=""><td colspan="2">Air flow (Min-Max)</td><td>CFM</td><td>406 - 736</td></t<>	Air flow (Min-Max)		CFM	406 - 736
Dehumidification pt/hr 5.28 External Dimensions (L x D x H) in 44-31/64 x 29-11/16 x 11-13/16 Package Dimension (L x W x H) in 47-77/16 x 32-1/64 x 14-11/64 Net Weight lbs 92.6 Gross Weight lbs 92.6 Refrigerant Charge - R410A oz 423 Additional Charge oz/ft 0.4 Line Set Size (Liquid - Gas) - Flared Connections in 1/4 - 5/8 Pre-Charge Length ft 25 Pipe Length (Min - Max) ft 10 - 131 Max. Pipe Elevation ft 82 ELECTRICAL Power Supply 208-230V / IPh / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 155 MCA A 22 MCCP A 30 Suggested Breaker Size A 25 Min Power Wire Size AWG Per Local Code			In W.c.	0.8
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Package Dimension (L x W x H) in 47-7/16 x 32-1/64 x 14-11/64 Net Weight lbs 92.6 Gross Weight lbs 106.9 REFIGERANT PIPING Refrigerant Charge - R410A oz 423 Additional Charge oz/ft 0.4 Line Set Sized by Indoor Unit (Liquid - Gas) in 1/4 - 5/8 Line Set Size (Liquid - Gas) - Flared Connections in 1/4 - 5/8 Pre-Charge Length ft 25 Pipe Length (Min - Max) ft 10 - 131 Max. Pipe Elevation ft 82 ELECTRICAL ELECTRICAL Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 155 MCA A 155 MCA A 22 MCCP A 30 Suggested Breaker Size AWG Per Local Code <td colspan="2"></td> <td>pt/hr</td> <td>5.28</td>			pt/hr	5.28
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REFRIGERANT PIPING Refrigerant Charge - R410A oz 423 Additional Charge oz/ft 0.4 Line Set Sized by Indoor Unit (Liquid - Gas) in 1/4 - 5/8 Line Set Size (Liquid - Gas) - Flared Connections in 1/4 - 5/8 Pre-Charge Length ft 25 Pipe Length (Min - Max) ft 82 ELECTRICAL Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 155 MCA A 22 MCCP A 30 Suggested Breaker Size A 25 Min Power Wire Size AWG Per Local Code	Net Weight		lbs	92.6
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Additional Charge oz/ft 0.4 Line Set Sized by Indoor Unit (Liquid - Gas) in 1/4 - 5/8 Line Set Size (Liquid - Gas) - Flared Connections in 1/4 - 5/8 Pre-Charge Length ft 25 Pipe Length (Min - Max) ft 10 - 131 Max. Pipe Elevation ft 82 ELECTRICAL Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 155 MCA A 22 MOCP A 30 Suggested Breaker Size A AWG Per Local Code	REFRIGERANT PIPING	3		
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Line Set Size (Liquid - Gas) - Flared Connections in 1/4 - 5/8 Pre-Charge Length ft 25 Pipe Length (Min - Max) ft 10 - 131 Max. Pipe Elevation ft 82 ELECTRICAL Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Min Power Wire Size AWG Per Local Code	Additional Charge		oz/ft	0.4
Connections III 174 - 378 Pre-Charge Length ft 25 Pipe Length (Min - Max) ft 10 - 131 Max. Pipe Elevation ft 82 ELECTRICAL Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Line Set Sized by Indoor Unit (Liquid - Gas)		in	1/4 - 5/8
Pipe Length (Min - Max) ft 10 - 131 Max. Pipe Elevation ft 82 ELECTRICAL Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 5/8
Max. Pipe Elevation ft 82 ELECTRICAL Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Pre-Charge Length		ft	25
ELECTRICAL Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Pipe Length (Min - Max)		ft	10 - 131
Power Supply 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Max. Pipe Elevation		ft	82
Voltage Range (Min - Max) VAC 187 - 253 Rated Current - Cooling A 13 Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	ELECTRICAL			
Rated Current - Cooling A 13 Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)
Rated Current - Heating A 15.5 MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Voltage Range (Min - N	Max)	VAC	187 - 253
MCA A 22 MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Rated Current - Cooling	g	Α	13
MOCP A 30 Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	Rated Current - Heating		А	15.5
Suggested Breaker Size A 25 Main Power Wire Size AWG Per Local Code	MCA		А	22
Main Power Wire Size AWG Per Local Code	MOCP		А	30
	Suggested Breaker Size		А	25
Interconnecting Wire Size AWG 14 / 4	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
Auxilary Electrical Heater	No
Ventilation (Outdoor Air)	Yes

NOTE:

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



NOTE:

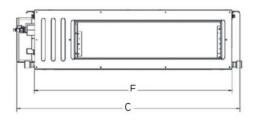
The static pressure is adjusted using the wired controller. Refer to the wired controller instruction manual for more information.

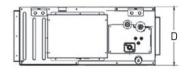
DIMENSIONS

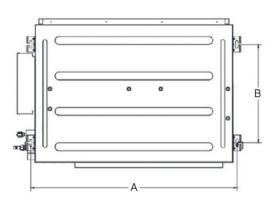
INDOOR UNIT

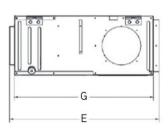
Unit: inch

ТМ	24D6HDI			
DIMENSIONS				
А	40 15/16			
В	19 11/16			
С	44 31/64			
D	11 13/16			
E	29 11/16			
F	39 3/8			
G	27 9/16			





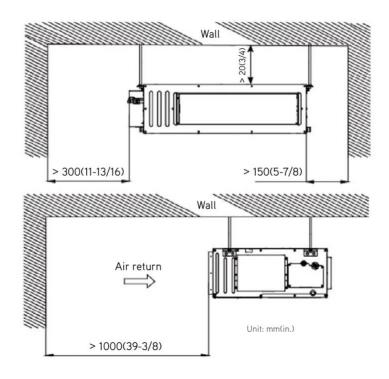




CLEARANCES

INDOOR UNIT

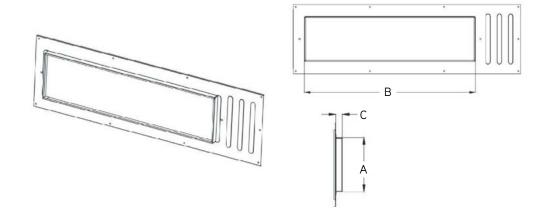
Minimum clearence



SUPPLY AND RETURN AIR OPENING DIMENSIONS

SUPPLY AIR OUTLET

Unit: inch					
	TM24D6HDI				
	DIMENSIONS				
А	7-5/8				
В	29-9/16				
C	1				



RETURN AIR INLET

Unit: inch	
	TM24D6HDI
	DIMENSIONS
D	10-3/8
Е	37-3/4
F	1-1/8

