

Ultra Heat Multi Zone Heat Pump

TOSOT

MODEL: TM18H5O

Project Name:

Location:

Engineer Name:

Purshaser:

Unit Designation:

Schedule No.

SubmittedTo:

Date:

General Features

- High And Low Pressure Protection Features
- Over Load Protection Features
- 100% Heating Capacity at -4F
- 80% Heating Capacity at -22F
- Stable Operation at -31F!
- Drain Pan Heater Included



- Over-Current Protection
- Anti Freeze Protection
- Optional BMS Integration

Unit Performance:

Cooling:	-	-
Capacity (Min Rated Max, Btu/h)	6,998-18,000-21,000	
SEER	23	
EER (Btu/h)/w	12.5	
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	7,000-21,000-26,000	
HSPF	10.5	
COP (W/W)	3.6	

Unit Specification

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (dB(A))	58
Net Weight (lbs)	172
Min. Number IDU	1
Max. Number IDU	2
Dehumidification (Pint/h)	N/A
Heat Exchanger Coating	GoldFin™

Piping

Refrigerant Charge (lbs)	4.85
Liquid Line (in)	1/4
Gas Line (in)	3/8
Max Total Piping (ft)	164
Max ODU to IDU Piping (per zone, ft)	82
Total Piping Length (with factory charge, ft)	65
Max Elevation between ODU and IDU (ft)	26
Max Elevation between IDU and IDU (ft)	26

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14/4
MOP (A)	35
MCA (A)	22
Cooling Rated Amps (A)	6.3
Heating Rated Amps (A)	7.4
Compressor RLA (A)	14.9
Fan Motor RLA (A)	0.38
Nominal Cooling Power Input (kW)	1.45
Nominal Heating Power Input (kW)	1.71

Operating Range:

Cooling (°F)	0~118
Heating (°F)	-31~75

Compressor:

Quantity	1
Type	Inverter Rotary
Oil/Type	FW68DA

Fan

Type	Axial-flow
Quantity	1
Motor/Drive	DC motor/Direct drive
Max Air Flow Rate (CFM)	2530

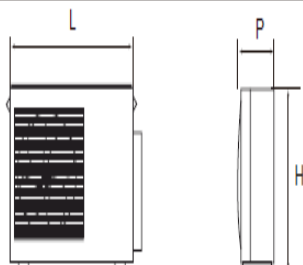


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Outline Dimension Diagram

Size and clearance				
	L	920	mm	
	P	380	mm	
	H	790	mm	

GLOSSARY

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

HSPF - Heating Seasonal Performance Factor

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

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Pump

TQSOT

MODEL: TM18H5O

Approved By:

Signature

Date

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