

Multi-Zone Outdoor

**TOSOT**

MODEL: TM56H2O

Project Name:

Location:

Engineer Name:

Purshaser:

Unit Designation:

Schedule No.

SubmittedTo:

Date:



### General Features

- High And Low Pressure Protection Features
- Over Load Protection Features

- Over-Current Protection
- Anti Freeze Protection

### Unit Performance:

Cooling:	-	-
Capacity (Min Rated Max, Btu/h)	3412-53000	61416
SEER		16
EER (Btu/h)/w		9.5
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	4094-61500	63122
HSPF		8.2
COP (W/W)		3.46

### Unit Specification

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (dB(A))	57
Net Weight (lbs)	255
Min. Number IDU	2
Max. Number IDU	9
Dehumidification (Pint/h)	N/A
Heat Exchanger Coating	GoldFin™

### Piping

Refrigerant Charge (lbs)	10.9
Liquid Line (in)	3/8"
Gas Line (in)	5/8"
Max Total Piping (ft)	475
Max ODU to IDU Piping (per zone, ft)	230
Total Piping Length (with factory charge, ft)	98
Max Elevation between ODU and IDU (ft)	98.4
Max Elevation between IDU and IDU (ft)	50

### Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14/4
MOP (A)	50
MCA (A)	30
Cooling Rated Amps (A)	24
Heating Rated Amps (A)	23
Compressor RLA (A)	23
Fan Motor RLA (A)	1 X 2
Nominal Cooling Power Input (kW)	5.6
Nominal Heating Power Input (kW)	5.2

### Operating Range:

Cooling (°F)	0~118
Heating (°F)	-5~75

### Compressor:

Quantity	1
Type	Inverter Rotary
Oil/Type	RB68EP

### Fan

Type	Axial-flow
Quantity	2
Motor/Drive	DC motor/Direct drive
Max Air Flow Rate (CFM)	4119

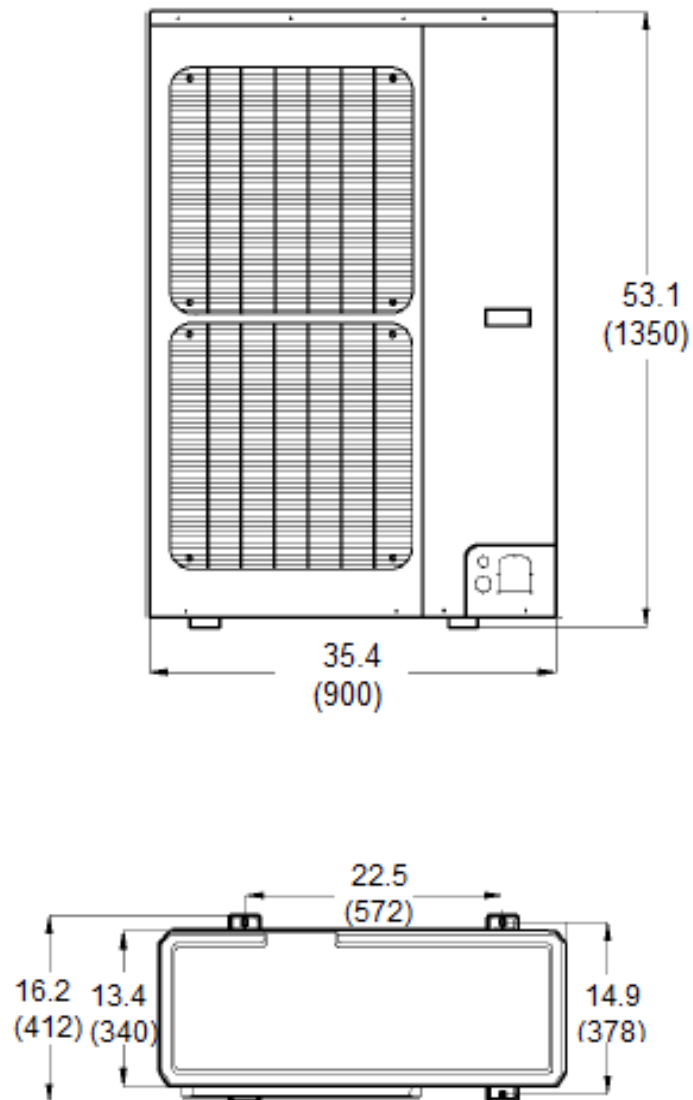


Multi-Zone Outdoor

**TOSOT**

MODEL: TM56H2O

## Outline Dimension Diagram



## GLOSSARY

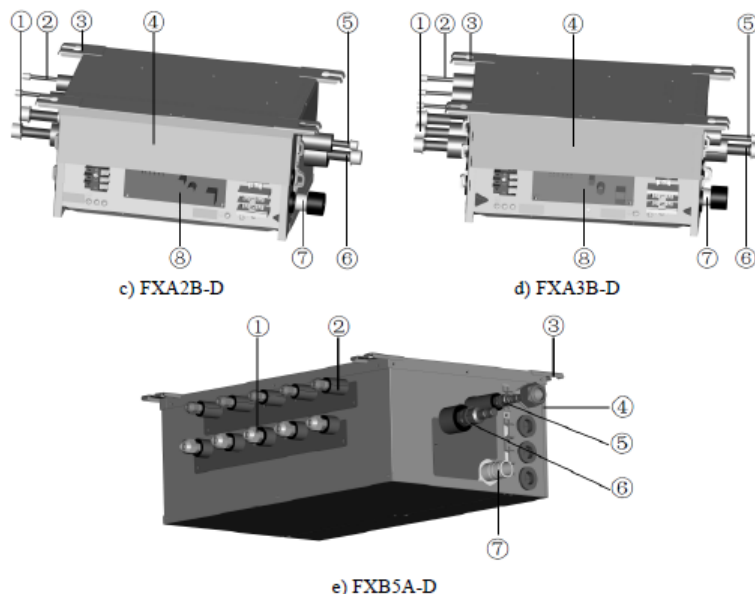
SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

HSPF - Heating Seasonal Performance Factor

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

**Branch Boxes (BU) REQUIRED**

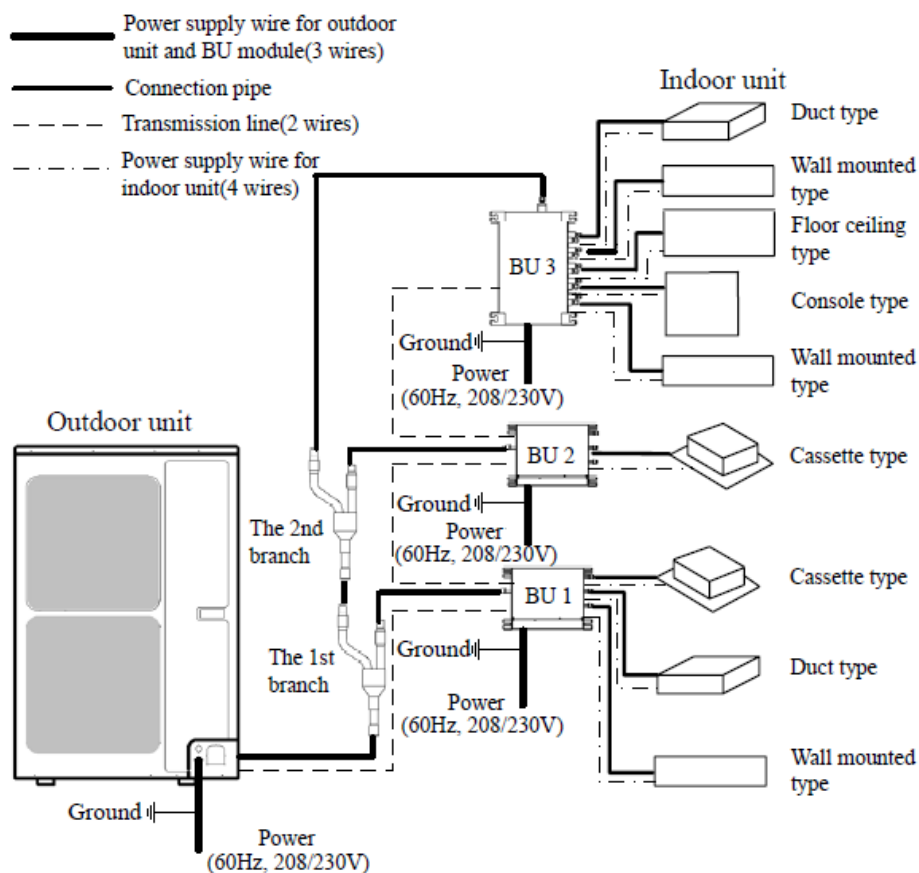
BU Box SKU	Power Req'd.	Min IDU	Max IDU
FXA2BD	208/230V 15A	1	2
FXA3BD	208/230V 15A	1	3
FXB5AD	208/230V 15A	1	5

\*Y Joint (required if multiple BU boxes used)

**Y Joint SKU: TVRFYC020K-W**

Each BU box must have a dedicated, grounded power supply. This power supply will power all IDUs connected to that BU box.

Each BU box must be wired to the ODU with 16/2 communication cable only.



**COOLING PERFORMANCE**

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures (DB) 50% RH					
	62 F		67 F		72 F	
	TC	SHC	TC	SHC	TC	SHC
25 F	55,212	46,540	58,192	48,511	59,860	49,939
35 F	54,292	45,497	57,216	47,388	58,704	48,828
45 F	53,716	43,810	56,888	46,275	57,980	47,276
55 F	53,010	43,065	56,550	45,199	57,310	46,728
65 F	55,525	44,035	58,780	47,503	59,600	49,258
75 F	54,840	43,937	57,120	45,836	58,824	48,325
85 F	53,200	42,125	55,786	43,424	57,600	47,063
95 F	51,200	41,723	52,000	43,960	53,760	44,865
105 F	46,290	38,582	47,912	41,254	48,600	42,642
115 F	40,200	36,357	41,200	37,512	41,900	38,441

**HEATING PERFORMANCE**

Outdoor Ambient Temperature (DB) (80% RH)	Indoor Entering Air Temperatures (DB)					
	65 F		70 F		75 F	
	TC	SHC	TC	SHC	TC	SHC
5 F	33,429	33,429	32,776	32,776	31,973	31,973
15 F	43,422	43,422	42,867	42,867	42,164	42,164
25 F	47,988	47,988	47,384	47,384	46,857	46,857
35 F	55,286	55,286	54,491	54,491	53,876	53,876
45 F	60,759	60,759	59,710	59,710	58,913	58,913
55 F	62,118	62,118	61,235	61,235	60,690	60,690
65 F	62,611	62,611	62,173	62,173	61,749	61,749

TC- Total Capacity ( BtuH)

SHC- Sensible Capacity (BtuH)

Approved By:

Signature

Date

**TOSOT**

315 Boulevard Industriel, Châteauguay, Contact: +1 (450) 698-4000  
 QC, Canada J6J 4Z2

[info@tosotamerica.com](mailto:info@tosotamerica.com)  
[tosotamerica.com](http://tosotamerica.com)