

Single zone inverter mini split

MODEL: TW18CQ1A5D

TOSOT

Job Name:

Location:

Engineer Name:

File Resubmit

Contractor:

System No:

Approval Other

Date:

General Features

- Smart 1 Hertz Inverter Technology
- Low Ambient Cooling to 5 °F
- Multiple Fan Speeds
- Memory Function
- Fan Delay Function
- Intelligent Pre-heating / Defrost
- LED display
- Control lock
- High And Low Pressure Protection Features
- Load Protection Features
- Over-Current Protection
- Anti Freeze Protection



Unit Performance:

<i>Cooling:</i>	
Capacity (Min-Rated-Max, Btu/h)	7,165-18,000-20,000
SEER	16
EER	10
<i>Heating:</i>	
Capacity (Min-Rated-Max, Btu/h)	N/A
HSPF	N/A
COP (Btu/h)/w	N/A

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	35.3
ODU Sound Pressure (dB(A))	56
IDU Sound Pressure (dB(A))	46/42/39/35
ODU Net Weight (lbs)	90.4
IDU Net Weight (lbs)	29.8

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Quantity (ODU + IDU)	1+1
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	3200
IDU Air Flow Rate (CFM)	282 / 471

Compressor

Cooling Operation Ambient temp. Range	0~115 °F
Heating Operation Ambient temp. Range	N/A
Compressor Type	Rotary
Fan Motor Output (W)	60
Crankcase Heater	Yes

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14/4
MOP (A)	25
MCA (A)	16
Cooling Rated Amps (A)	11.5
Heating Rated Amps (A)	N/A
Compressor RLA (A)	7.2
Indoor Fan Motor RLA(A)	0.32
Outdoor Fan Motor RLA(A)	0.365
Nominal Cooling Power Input (kW)	1.92
Nominal Heating Power Input (kW)	N/A

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	1/2
Additional Refrigerant (oz./ft.)	0.161
Max Pipe Length (ft.)	82
Piping Length (no add'l refrigerant, ft.)	24.6
Max Elevation (ft.)	32.8

AHRI certification Ref #

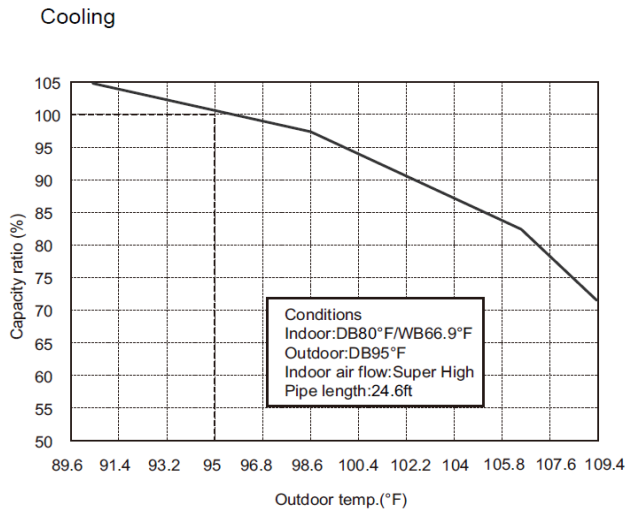


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Capacity Variation Ratio According to Temperature

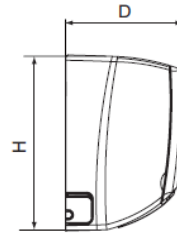
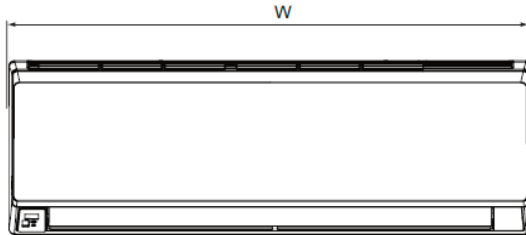


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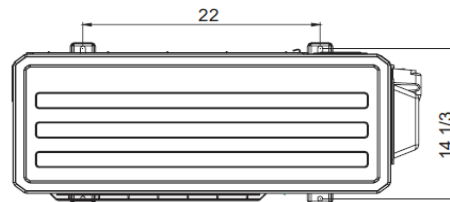
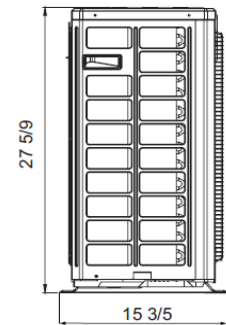
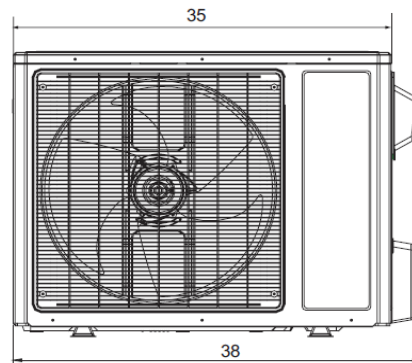
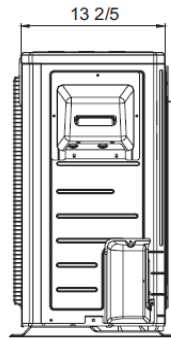
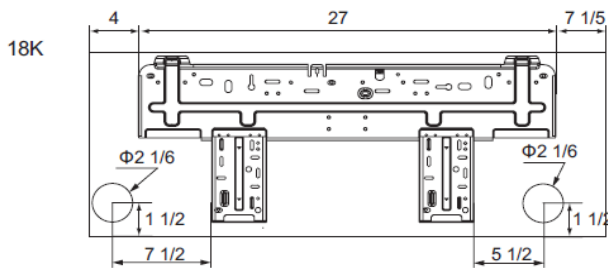
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Outline Dimension Diagram



W	H	D
38 1/5	11 4/5	8 5/6



Unit: inch

GLOSSARY

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

HSPF - Heating Seasonal Performance Factor

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

TOSOT

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