

Lomo23**TOSOT****MODEL: TW09HQ2C2D**

Project Name:

Engineer Name:

Unit Designation:

Submitted To:

Date:

Location:

Purchaser:

Schedule No.

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



- Gold Fin Condenser
- Low Voltage Start-up
- High And Low Pressure Protection Features
- Load Protection Features
- Over-Current Protection
- Anti Freeze Protection

Unit Performance:

Cooling:	-	-
Capacity (Min Rated Max, Btu/h)	3,100-9,000-	9,600
SEER		23
EER		14.29
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	1,911 -11,000-	12,000
HSPF		10.5
COP (W/W)		3.16

Compressor

Cooling Operation Ambient temp. Range	5~115 °F
Heating Operation Ambient temp. Range	-13~75 °F
Compressor Type	Swing
Compressor RLA (A)	4
Crankcase Heater	Yes

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	15
MCA (A)	9
Cooling Rated Amps (A)	5.8
Heating Rated Amps (A)	6
Compressor RLA (A)	4
Indoor Fan Motor RLA (A)	0.09
Outdoor Fan Motor RLA (A)	
Nominal Cooling Power Input (kW)	0.63
Nominal Heating Power Input (kW)	1.02

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	45.9
ODU Sound Pressure (dB(A))	53
IDU Sound Pressure (dB(A))	29 / 43
ODU Net Weight (lbs)	78
IDU Net Weight (lbs)	22
Dehumidifying (Pint/h)	1.69

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	30
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	1799
IDU Air Flow Rate (CFM)	171 / 377

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	3/8
Additional Refrigerant (oz./ft.)	0.215
Max Pipe Length (ft.)	49.2
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	49

AHRI certification Ref #



Lomo23

TOSOT

MODEL: TW09HQ2C2D

Capacity Variation Ratio According to Temperature

Cooling

Indoor	68F DB (20C)		73F DB (23C)		80F DB (27C)		82F DB (28C)	
	57F WB (14C)		61F WB (16C)		67F WB (19C)		68F WB (20C)	
Outdoor	TC	SC	TC	SC	TC	SC	TC	SC
5F(-15C)	5748.38	4508.42	6072.74	4760.94	6853.61	5375.43	6914.46	5423.15
14F(-10C)	5895.54	4624.02	6225.91	4882.61	7114.90	5579.26	7178.07	5628.80
23F(-5C)	6297.99	4940.39	6736.48	5284.15	7718.57	6053.82	7787.10	6107.57
32F(0C)	7637.48	5989.94	8169.07	6406.71	8946.93	7015.16	9026.37	7077.44
41F(5C)	8649.60	6783.93	9190.20	7206.80	9820.90	7702.65	9908.10	7771.04
50F(10C)	8547.49	6704.82	9091.09	7130.72	9730.80	7632.67	9817.20	7700.44
59F(15C)	8337.25	6537.54	8877.85	6963.41	9640.70	7562.69	9726.30	7629.84
68F(20C)	8127.02	6373.25	8667.62	6799.13	9460.50	7419.74	9544.50	7485.62
77F(25C)	7919.79	6212.00	8457.39	6631.84	9280.30	7279.78	9362.70	7344.42
86F(30C)	7691.54	6032.53	8229.13	6452.36	9010.00	7066.84	9090.00	7129.59
95F(35C)	7505.33	5886.50	8039.92	6306.31	8892.87	6975.57	8971.83	7037.51
104F(40C)	7319.12	5740.48	7853.72	6160.29	8775.74	6884.30	8853.66	6945.43
113F(45C)	6943.71	5445.40	7478.30	5865.21	8403.33	6589.25	8477.94	6647.76

Heating

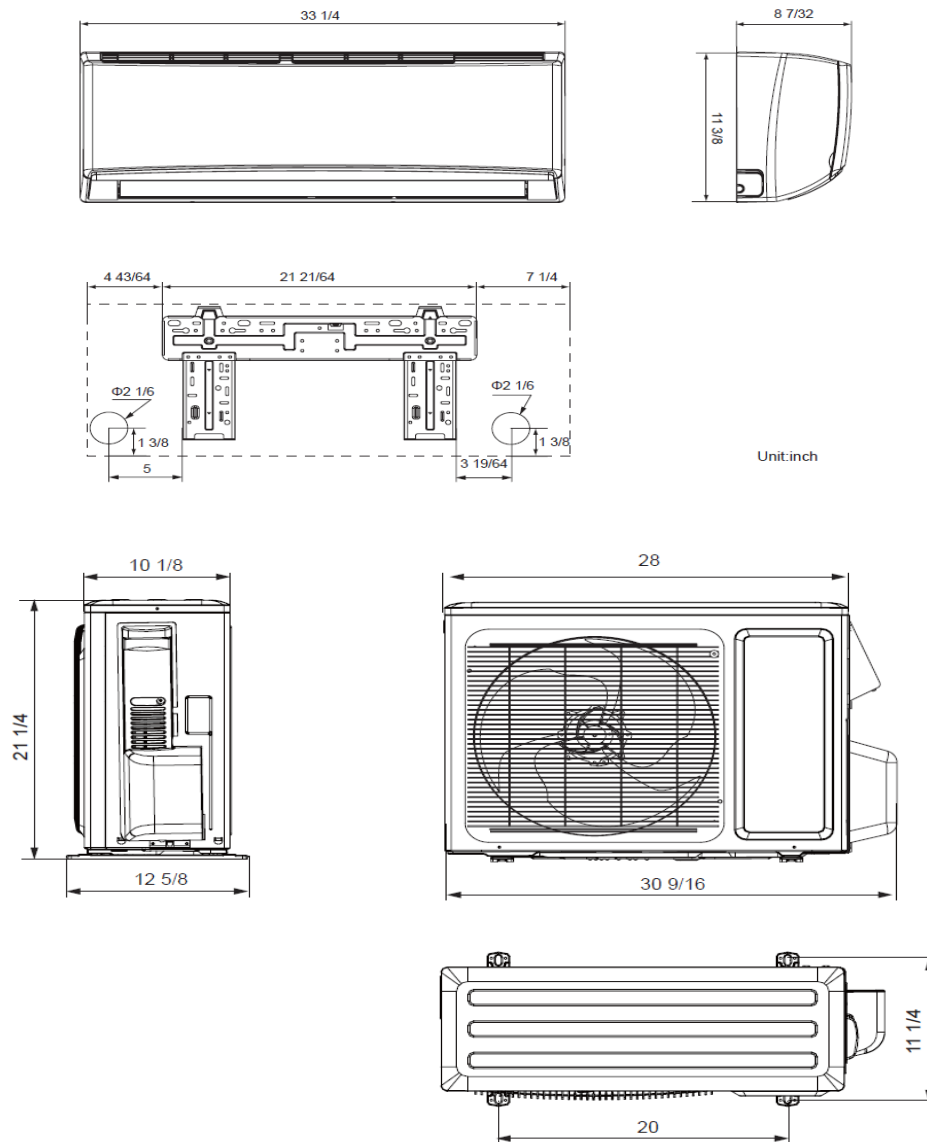
Indoor	68F DB (20C)	73F DB (23C)	80F DB (27C)	82F DB (28C)
	57F WB (14C)	61F WB (16C)	67F WB (19C)	68F WB (20C)
Outdoor	TC	TC	TC	TC
-13F(-25C)	4270.96	4230.26	4159.03	4082.72
-4F	5771.56	5716.56	5620.31	5517.19
0F	6252.81	6194.38	6091.25	5974.38
6F	6596.56	6534.69	6424.69	6304.38
10F	6871.56	6806.25	6692.81	6565.63
16F	7077.81	7012.50	6895.63	6761.56
19F	7218.75	7146.56	7029.69	6892.19
24F	8019.69	7950.94	7830.63	7696.56
32F	8954.69	8885.94	8765.63	8631.56
41F	10023.75	9955.00	9838.13	9700.63
43F	10291.88	10223.13	10102.81	9968.75
47F	11223.44	11110.00	10917.50	10697.50
53F	11336.88	11220.00	11024.06	10804.06
59F	11594.69	11477.81	11275.00	11048.13
64F	11842.19	11721.88	11515.63	11285.31
70F	12065.63	11941.88	11735.63	11498.44
75F	12234.06	12110.31	11897.19	11660.00

Lomo23

TOSOT

MODEL: TW09HQ2C2D

Outline Dimension Diagram



Approved By:

Signature

Date

TOSOT

315 Boulevard Industriel, Châteauguay, QC, Canada J6J 4Z2

Contact: +1 (450) 698-4000

info@tosotamerica.com

tosotamerica.com