

Lomo23**TOSOT****MODEL: TW24HQ2C2D**

Project Name:
 Engineer Name:
 Unit Designation:
 SubmittedTo:
 Date:

Location:
 Purshaser:
 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)	6,820-22,000-27,000	
SEER	20	
EER	12.5	
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	6,820 -23,000- 30,710	
HSPF	10	
COP (W/W)	3.37	

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	77.6
ODU Sound Pressure (dB(A))	59
IDU Sound Pressure (dB(A))	36 / 48
ODU Net Weight (lbs)	142
IDU Net Weight (lbs)	34.2
Dehumidifying (Pint/h)	4.23

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	92
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	4000
IDU Air Flow Rate (CFM)	530 / 706

Compressor

Cooling Operation Ambient temp. Range	5~115 °F
Heating Operation Ambient temp. Range	-13~75 °F
Compressor Type	Rotary
Compressor RLA (A)	11.5
Crankcase Heater	Yes

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	30
MCA (A)	20
Cooling Rated Amps (A)	14.49
Heating Rated Amps (A)	14.49
Compressor RLA (A)	11.5
Indoor Fan Motor RLA (A)	0.38
Outdoor Fan Motor RLA (A)	0.65
Nominal Cooling Power Input (kW)	1.76
Nominal Heating Power Input (kW)	2

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	5/8
Additional Refrigerant (oz./ft.)	0.5
Max Pipe Length (ft.)	82
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	49

AHRI certification Ref #



Lomo23

TOSOT

MODEL: TW24HQ2C2D

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)	19555.07	15336.94	20658.49	16195.97	23314.87	18286.34	23664.60	18560.64
14F(-10C)	20803.27	16315.89	21977.12	17229.76	24803.06	19453.55	25175.10	19745.36
23F(-5C)	22792.29	17879.18	24379.17	19123.24	27933.33	21908.64	28352.33	22237.27
32F(0C)	23931.91	18773.14	25598.13	20079.41	29330.00	23004.08	29769.95	23349.14
41F(5C)	25128.50	19711.79	26878.03	21083.38	30796.50	24154.28	31258.44	24516.59
50F(10C)	26384.93	20697.38	28221.93	22137.55	32336.32	25361.99	32821.37	25742.42
59F(15C)	27639.87	21677.46	29563.68	23185.75	32378.75	25387.70	32864.43	25768.52
68F(20C)	31302.72	24550.90	33259.14	26081.25	35541.63	27875.72	36074.75	28293.86
77F(25C)	30933.17	24264.61	32900.46	25805.94	35215.56	27622.48	35743.79	28036.81
86F(30C)	29411.51	23064.67	31367.93	24605.89	34237.35	26851.86	34750.91	27254.64
95F(35C)	27835.51	21831.58	29781.06	23350.96	32607.00	25574.76	33096.11	25958.38
104F(40C)	26487.75	20774.68	28422.44	22293.95	31759.22	24914.14	32235.61	25287.85
113F(45C)	25129.13	19706.80	27063.81	21226.07	30411.46	23846.37	30867.63	24204.06
122F(50C)	23966.15	18794.78	25563.89	20046.35	28759.37	22560.13	29190.76	22898.53

Heating

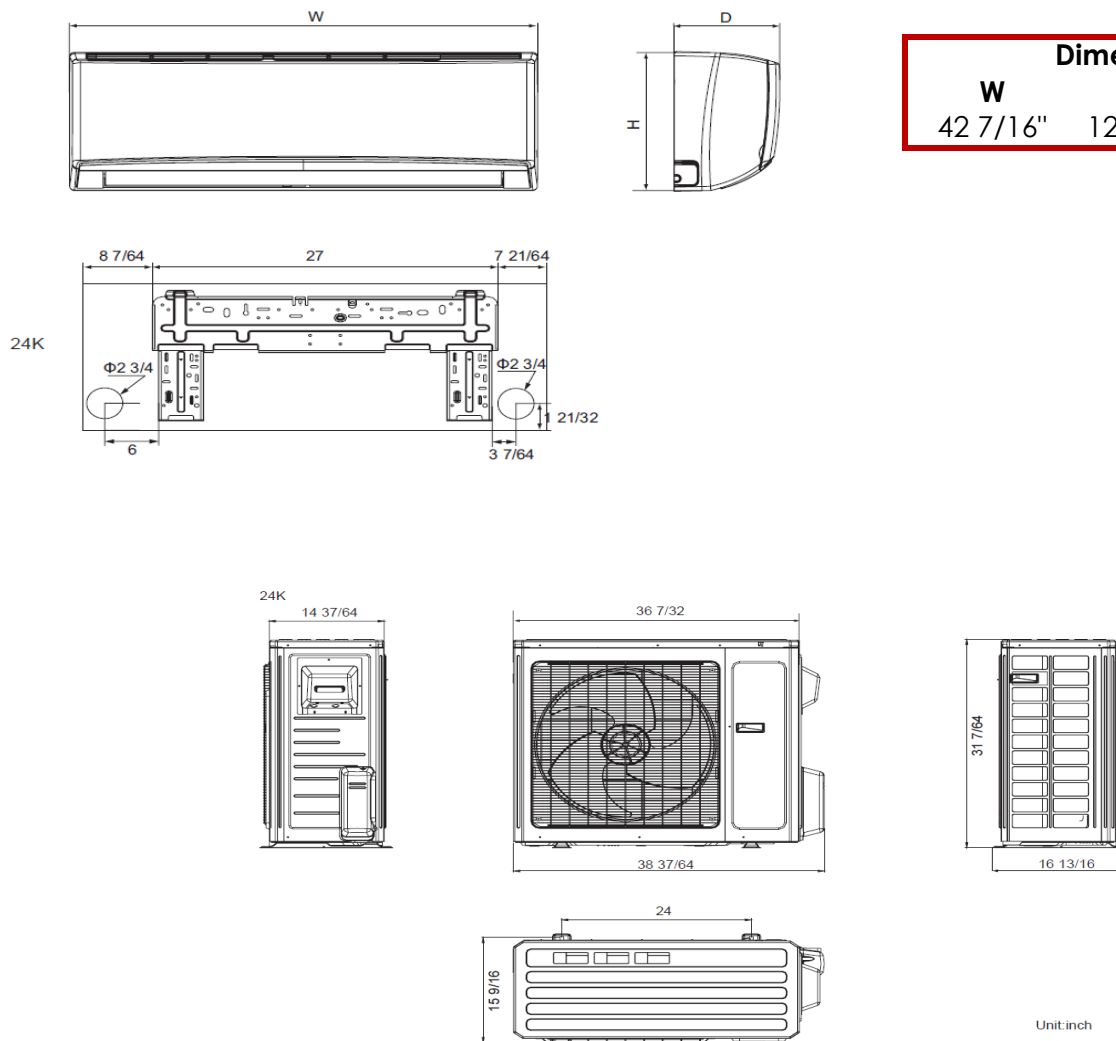
Indoor	68F DB (20C)	73F DB (23C)	80F DB (27C)	82F DB (28C)
	57F WB (14C)	61F WB (16C)	67F WB (19C)	68F WB (20C)
Outdoor	TC	TC	TC	TC
-13F(-25C)	12961.12	12742.89	12371.60	12322.12
-4F	17515.03	17220.13	16718.38	16651.51
0F	18979.00	18663.04	18103.77	18031.36
6F	20021.69	19684.66	19103.75	19027.33
10F	20853.73	20506.17	19895.40	19815.82
16F	21485.66	21127.57	20489.14	20407.18
19F	21896.42	21538.32	20884.96	20801.42
24F	24360.95	23992.32	23322.41	23229.12
32F	27225.70	26857.08	26155.68	26051.06
41F	30501.22	30143.12	29395.19	29277.61
43F	31322.73	30954.10	30207.67	30086.84
47F	34040.03	33450.23	32415.96	32286.29
53F	34377.06	33776.73	32738.87	32607.91
59F	35166.97	34545.58	33478.43	33344.52
64F	35914.76	35282.83	34197.17	34060.38
70F	36588.82	35956.89	34842.99	34703.62
75F	37104.90	36451.90	35332.56	35191.23
78F	37441.93	36788.93	35655.47	35512.85

Lomo23

TOSOT

MODEL: TW24HQ2C2D

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