

Lomo23**TOSOT****MODEL: TW12HQ2C2D**

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	12,000-13,000
SEER	22	
EER	12.5	
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	2,400	13,000- 14,000
HSPF	11	
COP (W/W)	3.46	

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)	6
Heating Rated Amps (A)	6.3
Compressor RLA (A)	4
Indoor Fan Motor RLA (A)	0.09
Outdoor Fan Motor RLA (A)	
Nominal Cooling Power Input (kW)	9.6
Nominal Heating Power Input (kW)	1.1

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	47.6
ODU Sound Pressure (dB(A))	54
IDU Sound Pressure (dB(A))	29 / 45
ODU Net Weight (lbs)	86
IDU Net Weight (lbs)	22
Dehumidifying (Pint/h)	2.96

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	30
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	1999.9
IDU Air Flow Rate (CFM)	171 / 400

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	1/2
Additional Refrigerant (oz./ft.)	0.215
Max Pipe Length (ft.)	66
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	49

AHRI certification Ref #



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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)	7240	5678	7658	5997	8281	6499	8386	6577
14F(-10C)	7842	6151	8285	6495	9350	7333	9476	7432
23F(-5C)	8592	6740	9190	7209	10530	8259	10682	8378
32F(0C)	9049	7098	9679	7592	10949	8587	11156	8749
41F(5C)	9506	7456	10168	7975	11368	8915	11630	9121
50F(10C)	9963	7814	10656	8358	11787	9243	12105	9492
59F(15C)	10420	8172	11145	8740	12206	9571	12579	9864
68F(20C)	11549	9058	12285	9634	13181	10338	13517	10602
77F(25C)	11546	9056	12286	9637	13226	10375	13525	10609
86F(30C)	11031	8651	11768	9230	12857	10084	13169	10328
95F(35C)	10493	8230	11227	8803	12292	9641	12668	9936
104F(40C)	10036	7871	10765	8444	12004	9417	12322	9666
113F(45C)	9575	7509	10306	8081	11566	9069	11877	9314

Heating

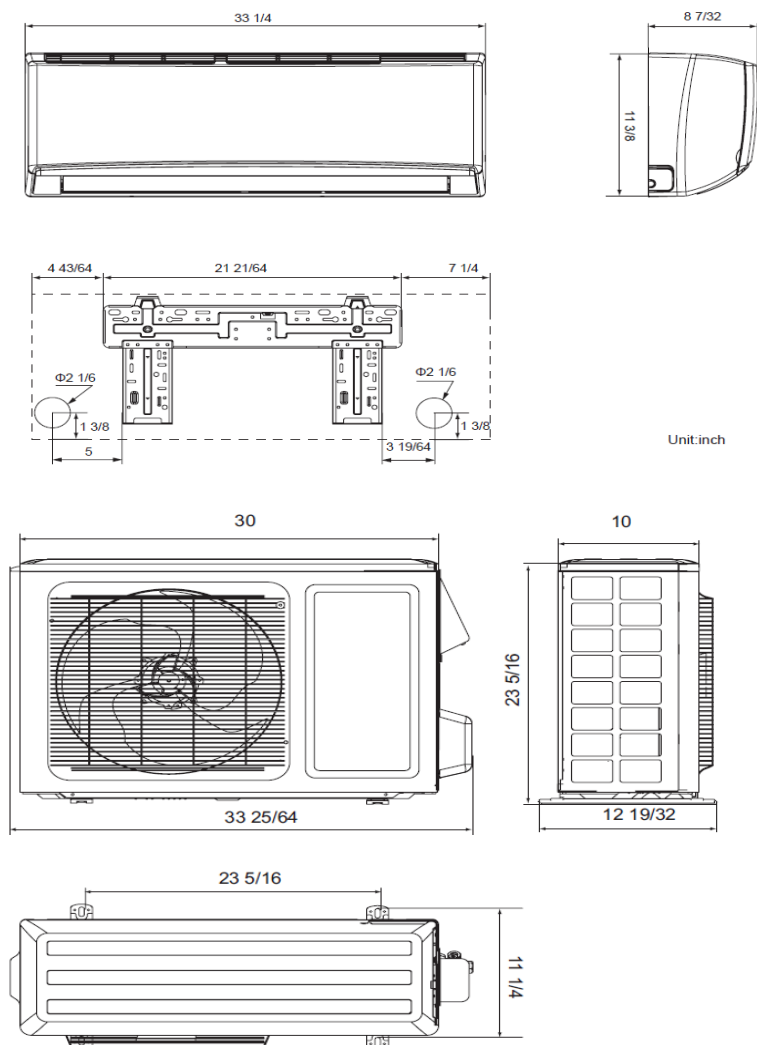
Indoor	68F DB (20C)	73F DB (23C)	80F DB (27C)	82F DB (28C)
	57F WB (14C)	61F WB (16C)	67F WB (19C)	68F WB (20C)
Outdoor	TC	TC	TC	TC
-13F(-25C)	4922	4812	4718	4699
-4F	6633	6482	6338	6312
0F	7394	7224	7058	7029
6F	7800	7621	7447	7415
10F	8124	7938	7757	7725
16F	8370	8178	7989	7956
19F	8530	8336	8143	8109
24F	9491	9294	9103	9069
32F	10607	10410	10219	10185
41F	11883	11688	11495	11462
43F	12203	12006	11815	11782
47F	13261	12944	12631	12576
53F	13393	13071	12756	12700
59F	13700	13368	13046	12989
64F	13992	13654	13325	13267
70F	14254	13914	13578	13519
75F	14455	14107	13767	13706

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Outline Dimension Diagram



Approved By:

Signature

Date

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