

Lomo23**TOSOT****MODEL: TW18HQ2C2D**

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)	6,800-18,000-20,000	
SEER	20	
EER	12.5	
Heating:	-	-
Capacity (Min Rated Max, Btu/h)	7,340 -19,800- 23,500	
HSPF	10	
COP (W/W)	3.35	

Compressor

Cooling Operation Ambient temp. Range	5~115 °F
Heating Operation Ambient temp. Range	-13~75 °F
Compressor Type	Rotary
Compressor RLA (A)	12.08
Crankcase Heater	Yes

Electrical Specification

Power Supply	208-230V / 60Hz
Communications Wire Size	AWG 14
MOP (A)	25
MCA (A)	16
Cooling Rated Amps (A)	10.39
Heating Rated Amps (A)	12.56
Compressor RLA (A)	12.08
Indoor Fan Motor RLA (A)	0.24
Outdoor Fan Motor RLA (A)	0.49
Nominal Cooling Power Input (kW)	1.43
Nominal Heating Power Input (kW)	1.73

Unit Specification

Refrigerant Type	R410A
Refrigerant Charge (oz)	56.44
ODU Sound Pressure (dB(A))	55
IDU Sound Pressure (dB(A))	39 / 47
ODU Net Weight (lbs)	105
IDU Net Weight (lbs)	27.6
Dehumidifying (Pint/h)	3.8

Fan

ODU / IDU Type	Axial-flow/Cross-flow
Fan Motor Output (W)	60
Motor/Drive	Direct Drive
ODU Max Air Flow Rate (CFM)	3200
IDU Air Flow Rate (CFM)	335 / 559

Piping

Liquid Line (in, OD)	1/4
Gas Line (in, OD)	5/8
Additional Refrigerant (oz./ft.)	0.2
Max Pipe Length (ft.)	82
Piping Length (with factory charge, ft.)	24.6
Max Elevation (ft.)	49



AHRI certification Ref #

Lomo23**TOSOT****MODEL: TW18HQ2C2D****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)	11484.00	9006.84	12132.00	9511.32	13692.00	10738.92	14072.33	11037.22
14F(-10C)	11778.00	9237.78	12438.00	9754.38	14214.00	11146.14	14608.83	11455.76
23F(-5C)	12582.00	9869.82	13458.00	10556.58	15420.00	12094.20	15848.33	12430.15
32F(0C)	15258.00	11966.58	16320.00	12799.20	17874.00	14014.74	18370.50	14404.04
41F(5C)	17280.00	13552.80	18360.00	14397.60	19620.00	15388.20	20165.00	15815.65
50F(10C)	17076.00	13394.76	18162.00	14245.62	19440.00	15248.40	19980.00	15671.97
59F(15C)	16656.00	13060.56	17736.00	13911.36	19260.00	15108.60	19795.00	15528.28
68F(20C)	16236.00	12732.36	17316.00	13583.16	18900.00	14823.00	19425.00	15234.75
77F(25C)	15822.00	12410.22	16896.00	13248.96	18540.00	14543.40	19055.00	14947.38
86F(30C)	15366.00	12051.66	16440.00	12890.40	18000.00	14118.00	18500.00	14510.17
95F(35C)	14994.00	11759.94	16062.00	12598.62	17766.00	13935.66	18259.50	14322.76
104F(40C)	14622.00	11468.22	15690.00	12306.90	17532.00	13753.32	18019.00	14135.36
113F(45C)	13872.00	10878.72	14940.00	11717.40	16788.00	13163.88	17254.33	13529.54
122F(50C)	13500.00	10587.00	14400.00	11292.00	16200.00	12708.00	16650.00	13061.00

Heating

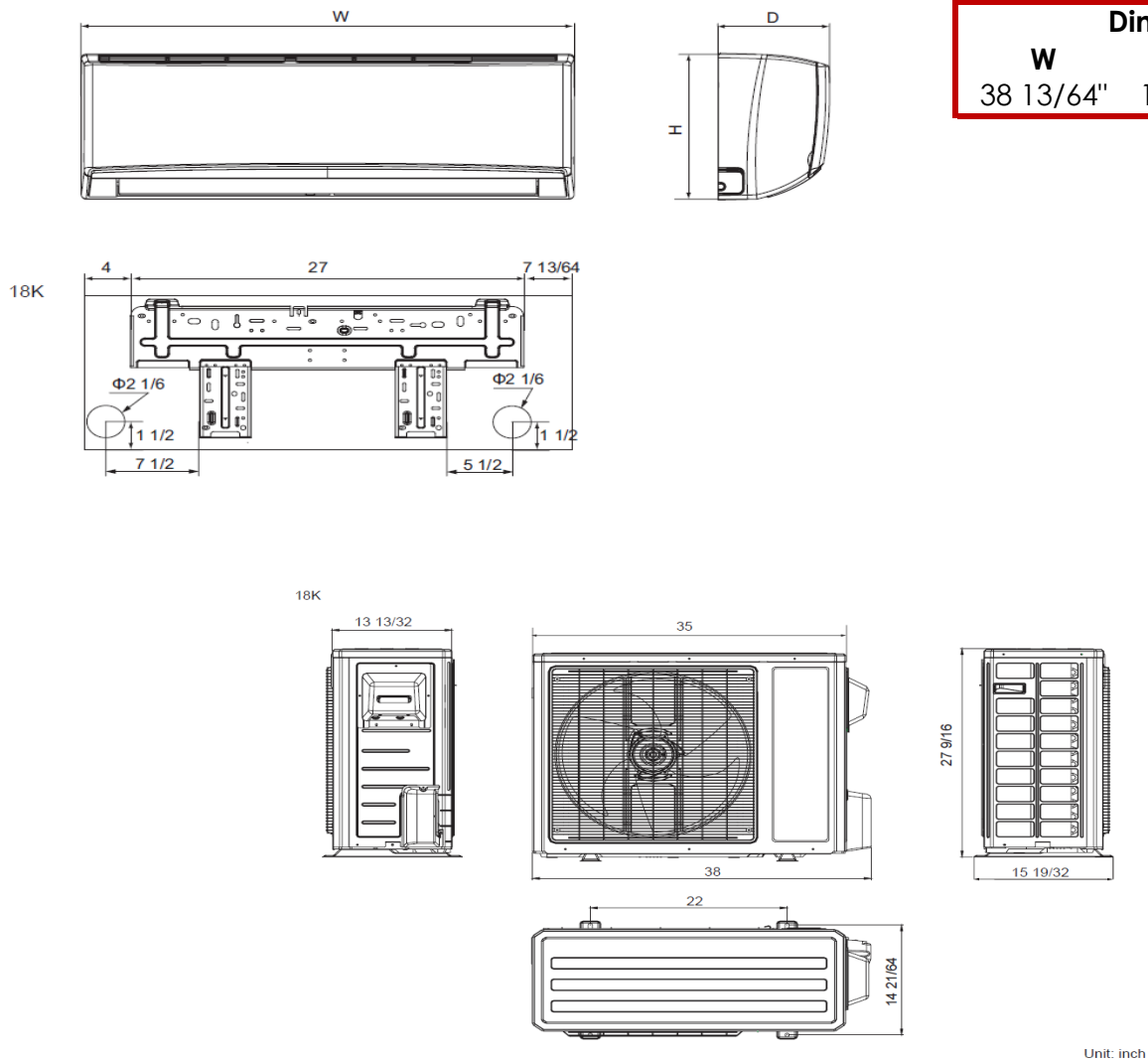
Indoor	68F DB (20C)	73F DB (23C)	80F DB (27C)	82F DB (28C)
	57F WB (14C)	61F WB (16C)	67F WB (19C)	68F WB (20C)
Outdoor	TC	TC	TC	TC
-13F(-25C)	7687.72	7614.46	7486.26	7348.89
-4F	10388.81	10289.81	10116.56	9930.94
0F	11255.06	11149.88	10964.25	10753.88
6F	11873.81	11762.44	11564.44	11347.88
10F	12368.81	12251.25	12047.06	11818.13
16F	12740.06	12622.50	12412.13	12170.81
19F	12993.75	12863.81	12653.44	12405.94
24F	14435.44	14311.69	14095.13	13853.81
32F	16118.44	15994.69	15778.13	15536.81
41F	18042.75	17919.00	17708.63	17461.13
43F	18525.38	18401.63	18185.06	17943.75
47F	20202.19	19998.00	19651.50	19255.50
53F	20406.38	20196.00	19843.31	19447.31
59F	20870.44	20660.06	20295.00	19886.63
64F	21315.94	21099.38	20728.13	20313.56
70F	21718.13	21495.38	21124.13	20697.19
75F	22021.31	21798.56	21414.94	20988.00
78F	22225.50	21996.56	21612.94	21179.81

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Outline Dimension Diagram



Dimensions		
W	H	D
38 13/64"	11 13/16"	8 13/16"

Approved By:

Signature

Date

TOSOT

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