

15 VERIFICATION OF PROPOSED HVAC EQUIPMENT

15.1 OVERVIEW

The following manufacturer cut sheets verify that all proposed HVAC and manufacturing equipment meets applicable state and federal emissions requirements.

15.2 ATTACHMENTS

Attachment 15-A – HVAC Equipment Cut Sheets

ATTACHMENT 15-A

HVAC Equipment Cut Sheets

Bagel Shop on Roof of Front entrance



Electrical Data

Table 141. Electrical characteristics — power exhaust (cooling and gas/electric)

Tons	Volts	Phase	hp	rpm	FLA	LRA
3-5	208-230	1	0.33	1075	2.2	3.9
3-5	460	1	0.33	1075	1.1	2.0
3-5	575	1	0.33	1075	1.0	1.8
6-10	208-230	1	0.87	1075 ^(a)	5.7	13.6
6-10	460	1	0.87	1075 ^(a)	3.3	6.8
6-10	575	1	0.87	1075 ^(a)	2.3	5.4

(a) Two speed.

Table 142. Electrical characteristics - inducer motor

Unit Model Number	Stages	hp	rpm	Volts	Phase	LRA
YSC(036-060)G**(L,M,X,Y)	1	1/35	3000	208-230	1	0.6
YSC(036-060)G**(H,Z)	1	1/15	3300	208-230	1	0.4
YSC072F**(L,M,X,Y) YSC(090-102)F**(L,X)	1	1/35	3000	208-230	1	0.6
YSC072F**(H,Z) YSC(090-102)F**(M,H,Y,Z) YSC120F	2	1/15	2800/3350	208-230	1	0.4

Table 143. Unit wiring - high efficiency

Tons	Unit Model Number	Voltage Range	Standard Indoor Fan Motor		Optional Belt Drive Indoor Fan Motor ^(a)	
			MCA	Max Fuse Size or Max Circuit Breaker	MCA	Max Fuse Size or Max Circuit Breaker
3	T/YHC036E1	187-253	28.3	45	(^a)	(^a)
3	T/YHC036E3	187-253	20.6	30	19.6	25
3	T/YHC036E4	414-506	11.0	15	10.3	15
3	YHC036EW	517-633	7.9	15	7.2	15
4	T/YHC048F1	187-253	37.3	50	(^a)	(^a)
4	T/YHC048E_F3	187-253	27.2	40	24.6	35
4	T/YHC048E_F4	414-506	12.8	15	11.3	15
4	YHC048FW	517-633	9.8	15	8.5	15
5	T/YHC060F1	187-253	41.4	60	(^a)	(^a)
5	T/YHC060E_F3	187-253	30.0	45	27.4	40
5	T/YHC060E_F4	414-506	13.8	20	12.3	15
5	YHC060E_FW	517-633	10.2	15	8.9	15
6	T/YHC072E_F3	187-253	32.3	50	33.6	50
6	T/YHC072E_F4	414-506	15.1	20	15.7	20
6	YHC072E_FW	517-633	12.7	15	13.5	20
6	T/YHC074F3	187-253	37.4	50	—	—
6	T/YHC074F4	414-506	18.7	25	—	—
7½	T/YHC092F3	187-253	42.4	50	—	—
7½	T/YHC092F4	414-506	20.7	25	—	—
7½	YHC092FW	517-633	15.6	20	—	—
8½	T/YHC102F3	187-253	42.0	50	—	—



Submittal Data Sheet

4 PORT HP, DUCTLESS OD 3 TON

4MXS36NMVJU

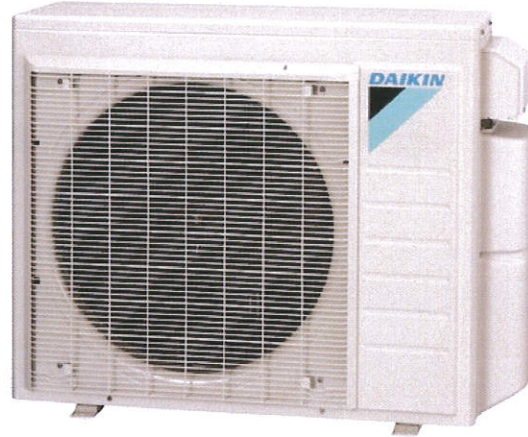
1 of These (outdoor) for Bagel
Low Ceiling Area

FEATURES

- Up to 18.9 SEER / Up to 12.7 EER / Up to 12.5 HSPF
- High-efficiency inverter driven swing compressor
- Low ambient cooling to 5°F / -4°F with optional drain pan heater
- Specialized drain pan design for improved cold climate drainage

BENEFITS

- 12 Year limited parts warranty with online registration
- 5 Year limited parts warranty for commercial applications
- High efficiency cooling and heating operation provides utility bill savings
- Multiple indoor unit style options: wall mounted, floor standing, ceiling cassette, slim duct
- May qualify for regional utility rebates and incentives
- Compatible with optional Daikin ENVI Wi-Fi capable Smart Control





Submittal Data Sheet

4 PORT HP, DUCTLESS OD 3 TON

4MXS36NMVJU

PERFORMANCE			
Outdoor Unit Model No.	4MXS36NMVJU	Outdoor Unit Name:	4 PORT HP, DUCTLESS OD 3 TON
Type:	Heat Pump	Rated Cooling Conditions:	Indoor (°F DB/DB): 80 / 67 Ambient (°F DB/WB): /
Rated Cooling Capacity (Btu/hr):	36,000	Rated Heating Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
Max/Min Cooling Capacity (Btu/hr):	38,000 /	Rated Piping Length(ft):	25
Cooling Input Power (kW):		Rated Height Difference (ft):	49.00
Rated Heating Capacity (Btu/hr):	36,000	SEER (Non-Ducted/Ducted):	17.70 / 14.00
Max/Min Heating Capacity (Btu/hr):	43,000 /	HSPF (Non-Ducted/Ducted):	12.2 / 8.2
Heating Input Power (kW):		Heating COP (Non-Ducted/Ducted):	4.5 / 3.5
OUTDOOR UNIT DETAILS			
Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Compressor Type:	Inverter
Power Supply Connections:	L1, L2, Ground	Capacity Control Range (%):	-
Min. Circuit Amps MCA (A):	19.75	Airflow Rate (H) (CFM):	2,613
Max Overcurrent Protection (MOP) (A):	20.00	Gas Pipe Connection (inch):	1/2
Max Starting Current MSC(A):	17.50	Liquid Pipe Connection (inch):	1/4
Rated Load Amps RLA(A):	17.5	Sound Pressure (H) (dBA):	54
Dimensions (HxWxD) (in):	29 x 34-1/4 x 12-5/8	Sound Power Level (dBA):	
Net Weight (lb):	139		

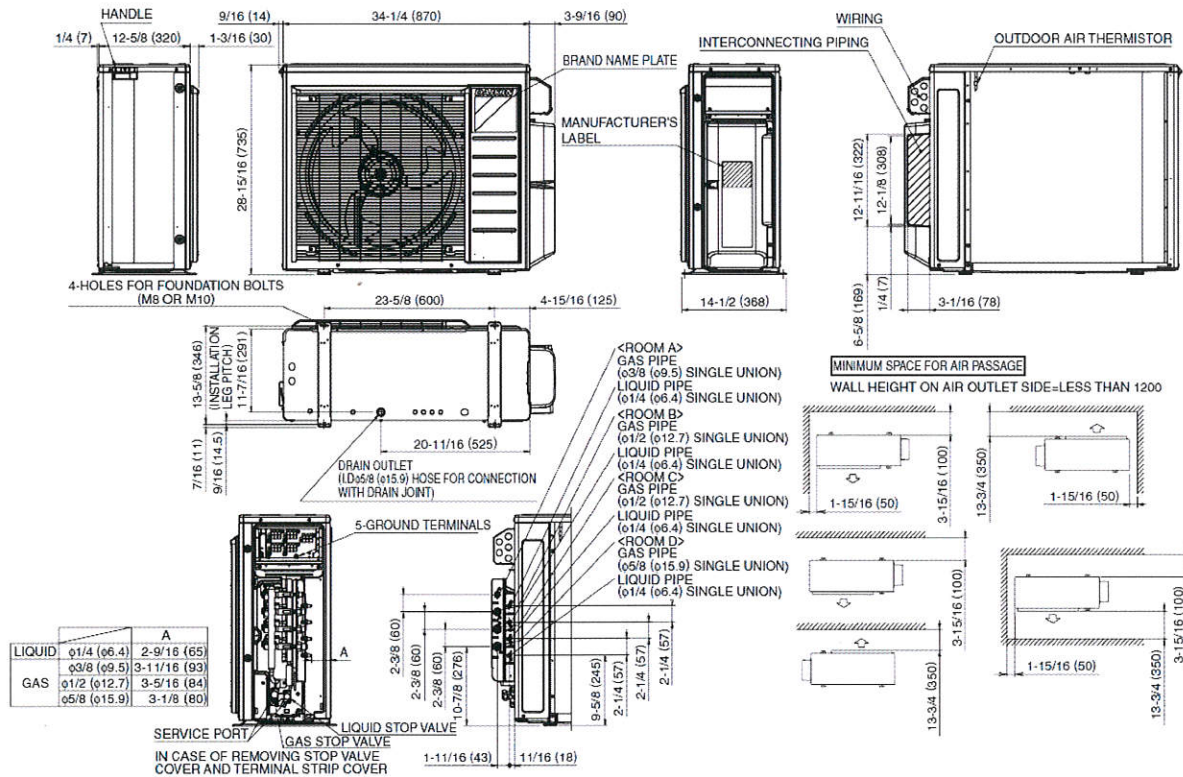


Submittal Data Sheet
 4 PORT HP, DUCTLESS OD 3 TON
 4MXS36NMVJU

SYSTEM DETAILS

Refrigerant Type:	R-410A	Cooling Operation Range (*F DB):	14 - 115
Holding Refrigerant Charge (lbs):	6.2	Heating Operation Range (*F WB):	5 - 72
Additional Charge (lb/ft):	0.01	Max. Pipe Length (Vertical) (ft):	
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (*F DB):	-
Max. Pipe Length (Total) (ft):	230	Heating Range w/Baffle (*F WB):	-
Max Height Separation (Ind to Ind ft):	49		

DIMENSIONAL DRAWING



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Submittal Data Sheet

FTXS18LVJU

FTXS18LVJU

(2) of these (indoor)
In Low Ceiling Area.

FEATURES

- Intelligent eye occupancy sensor
- Weekly timer for programmable comfort
- Low ambient heat operation down to 0° F
- Titanium apatite photocatalytic air purifying
- 12 year limited parts and compressor warranty with online registration

BENEFITS

- Quiet operation





Submittal Data Sheet

FTXS18LVJU

FTXS18LVJU

PERFORMANCE

Indoor Unit Model No.	FTXS18LVJU	Indoor Unit Name:	FTXS18LVJU
Type:	Wall Mounted	Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75
Rated Cooling Capacity (Btu/hr):	18,000	Rated Heating Conditions:	Indoor (°F DB/WB): 70 / 70 Ambient (°F DB/WB): 47 / 43
Sensible Capacity (Btu/hr):		Rated Piping Length(ft):	
Cooling Input Power (kW):	0.040	Rated Height Separation (ft):	
Rated Heating Capacity (Btu/hr):	21,600		
Heating Input Power (kW):	0.04		

INDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208-230 / 60 / 1	Airflow Rate (H/M/L/SL) (CFM):	583/385/360/360
Power Supply Connections:	L1, L2, Ground	Moisture Removal (Gal/hr):	1.0
Min. Circuit Amps MCA (A):		Gas Pipe Connection (inch):	1/2
Max Overcurrent Protection (MOP) (A):		Liquid Pipe Connection (inch):	1/4
Dimensions (HxWxD) (in):	13 x 45-11/16 x 16-7/8	Condensate Connection (inch):	5/8
Panel (HxWxD) (in):		Sound Pressure (H/M/L/SL) (dBA):	46/33/33/33
Net Weight (lb):	31	Sound Power Level (dBA):	62
Panel Weight (lb):		Ext. Static Pressure (Rated/Max) (inWg):	0.00 / 0.00



Submittal Data Sheet

FTXS18LVJU

FTXS18LVJU

DIMENSIONAL DRAWING

FTXS15,18_LVJU

