Aquatic Design
Manufacturing & Integration

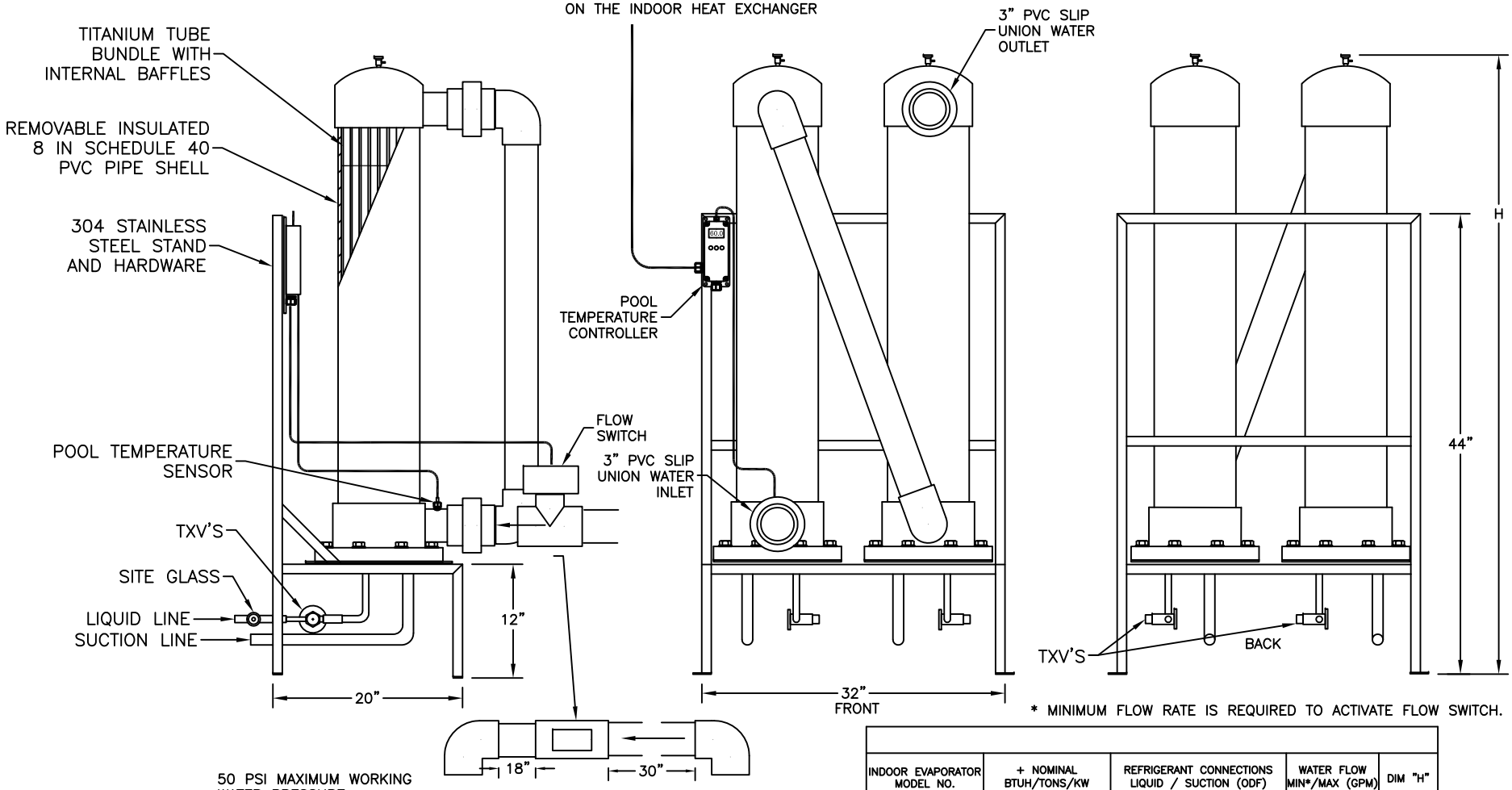
REV. 2/2026

MODEL NO. MT-30-SPLIT

30 TON R-454B OUTDOOR CONDENSING UNIT AND INDOOR HX-DX HEAT EXCHANGER PACKAGE

AQUA LOGIC, INC., 2806 GRAY FOX RD. MONROE, NC 28110 PH: 704.744.1391 EMAIL: INFO@AQUALOGICINC.COM

NOTE: FEILD WIRING
INSTALL 24V 18/3 AWG WIRE FROM THE OUTDOOR CONDENSER TO THE CONTROLLER ON THE INDOOR HEAT EXCHANGER



* MINIMUM FLOW RATE IS REQUIRED TO ACTIVATE FLOW SWITCH.

50 PSI MAXIMUM WORKING WATER PRESSURE

600 PSI MAXIMUM WORKING REFRIGERANT PRESSURE

FLOW SWITCH IS FIELD INSTALLED WITH NO LESS THAN 30 INCHES OF STRAIGHT PIPE ON THE INLET SIDE AND NO LESS THAN 18 INCHES ON THE OUTLET SIDE

OPTIONS: SCH 80 AND CPVC MATERIAL SHELL CONSTRUCTION
316 STAINLESS STEEL STAND AND HARDWARE

INDOOR EVAPORATOR MODEL NO.	+ NOMINAL BTUH/TONS/KW	REFRIGERANT CONNECTIONS LIQUID / SUCTION (ODF)	WATER FLOW MIN*/MAX (GPM)	DIM "H"
HX-300-DX	300K / 25 / 87.8	2 @ 1/2" / 1 5/8"	140/160	80
HX-360-DX	360K / 30 / 105	2 @ 1/2" / 1 5/8"	140/160	85
HX-480-DX	480K / 40 / 140	2 @ 1/2" / 1 5/8"	140/160	85

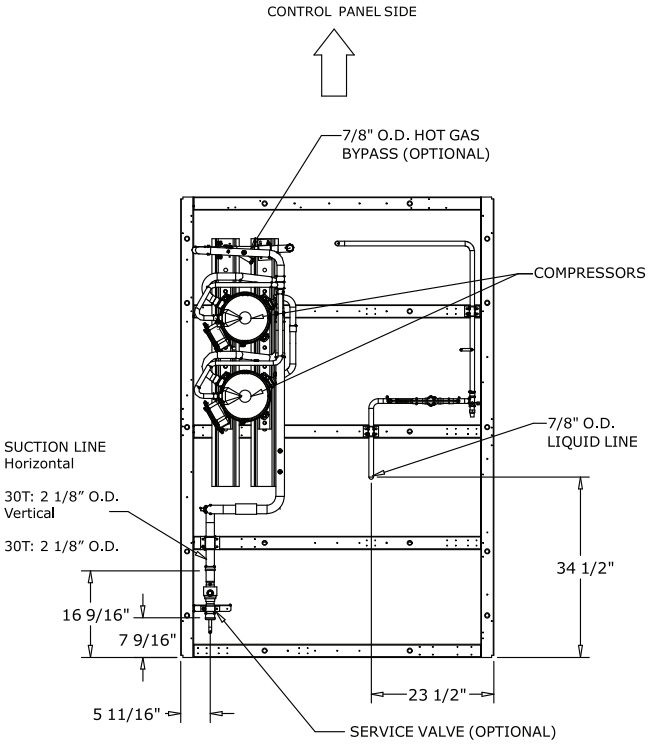
NOTES:
- ALL HEAT EXCHANGERS ARE DESIGNED FOR USE OF R-410A REFRIGERATE.
- MINIMUM / MAXIMUM WATER INLET TEMPERATURES IS 40 / 90 F.
- + BTUH IS BASED ON 95 °F AMBIENT AIR TEMPERATURE, 45 °F SUCTION TEMPERATURE, 75 °F ENTERING WATER TEMPERATURE AT MINIMUM WATER FLOW RATE.
  FOR WATER TEMPERATURES BELOW 55 F USE THE NEXT SIZE LARGER HEAT EXCHANGER.
- ALL DIMENSIONS ARE APPROXIMATIONS AND MAY CHANGE AT ANY TIME.

TITLE	HX-300 THRU 480-DX DUAL OR SINGLE CIRCUIT EVAPORATOR PACKAGE	PROJECT	AQUA LOGIC	FILE	C:\Users\cepps.ALOGIC\Documents\AutoCad Files\Heat exchangers\HX-DX\HX- 300 thru 480 DX unit & Rack 3-19-14.dwg	DRAWING NO	HX-02	EDITED	5/31/2018	SCALE	1:1
		CLIENT	AQUA LOGIC			DRAWN BY	CEPPS	CREATED	10/5/2012	PAGE	1 of 1

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Aquatic Design Manufacturing & Integration

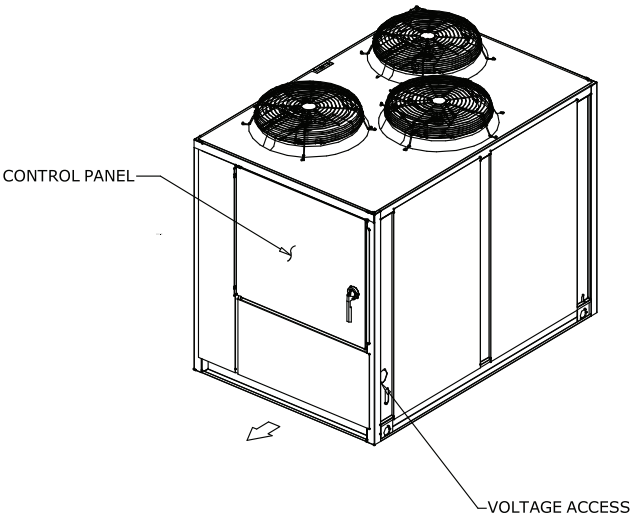
Air-cooled condensing unit connections — 30 tons

NOTES:
1. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH INSTALLER DOCUMENTS BEFORE INSTALLATION



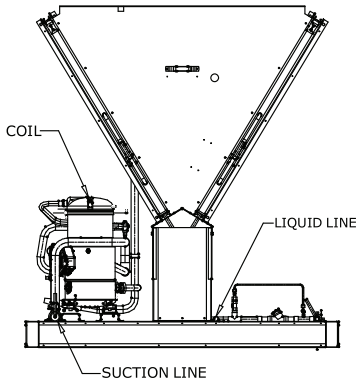
PLAN VIEW OF UNIT

CONNECTION DRAWING



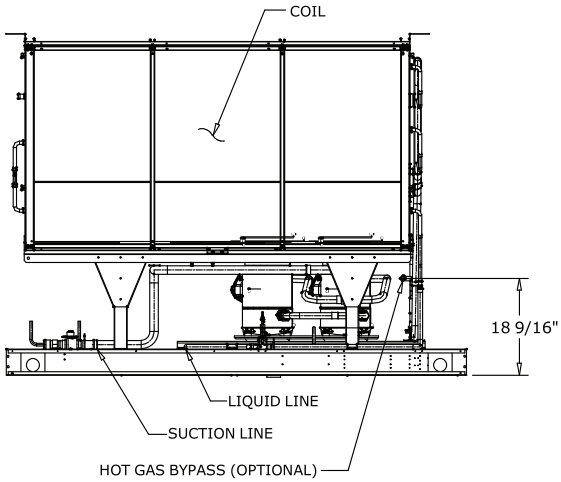
ORIENTATION VIEW OF UNIT

ISOMETRIC DRAWING



CONTROL PANEL SIDE VIEW OF UNIT

CONNECTION DRAWING



BACK VIEW OF UNIT

CONNECTION DRAWING

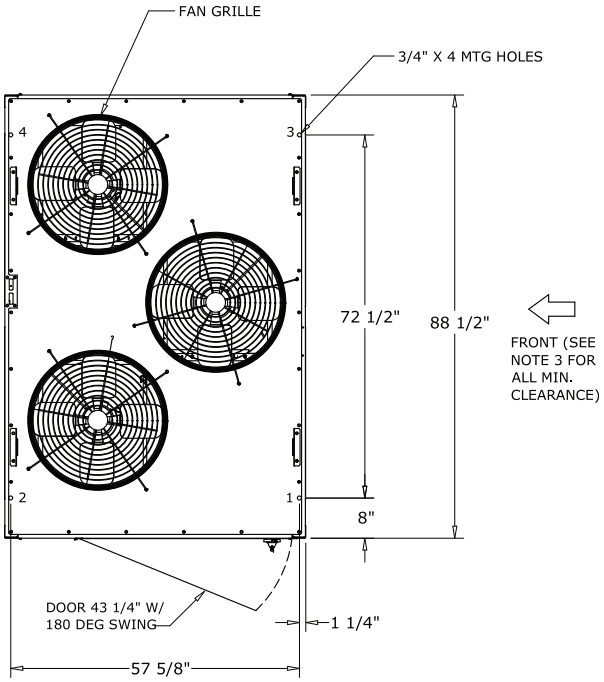
Condensing unit weights

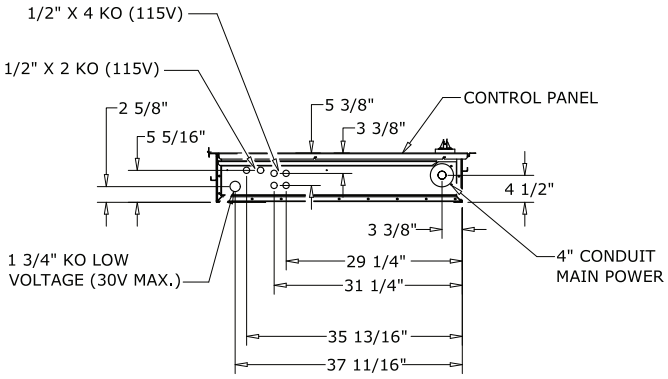
Unit Size (tons)	Weights (lbs)	
	Shipping	Operating
30	1598	1623

Dimensions and Electrical Data

Air-cooled condensing unit — 30 ton

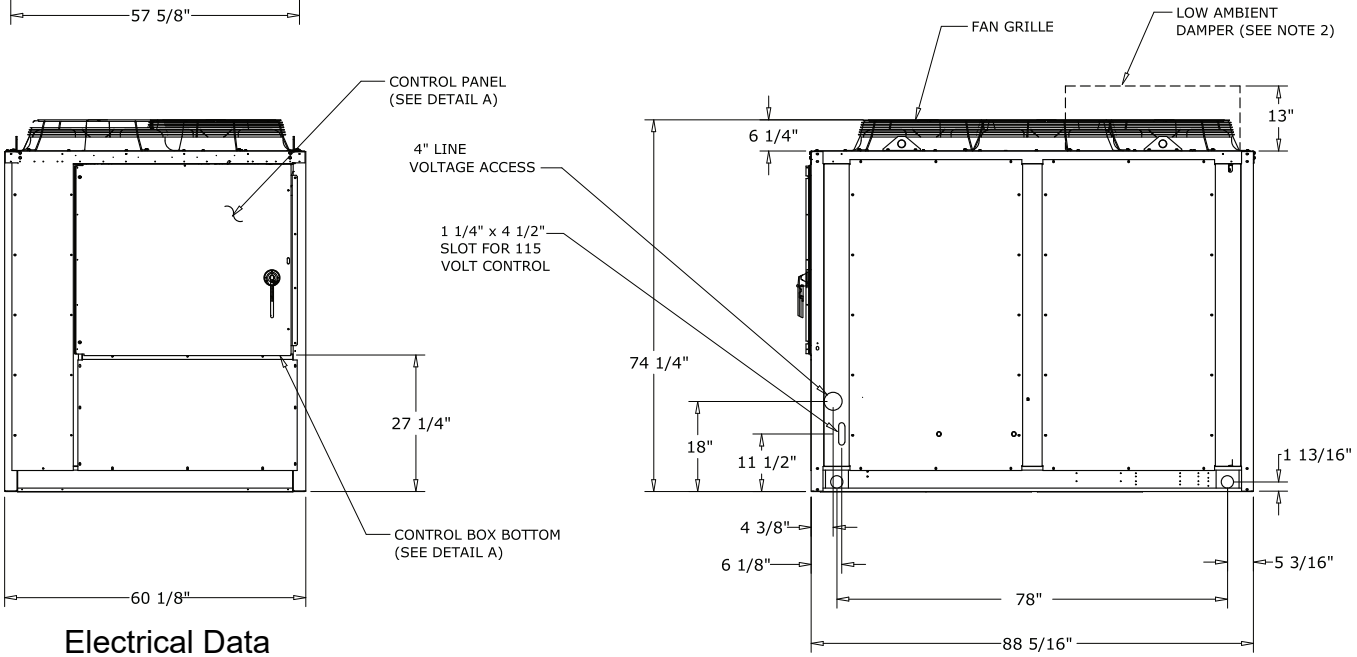
NOTES:
1. SEE CONNECTION DRAWING FOR CONNECTION LOCATION AND SIZES.
2. LOW AMBIENT DAMPER ONLY COMES WITH SELECTED UNIT.
3. FRONT OF UNIT CLEARANCE 72". BACK OF UNIT CLEARANCE 72". LEFT AND RIGHT SIDE OF UNIT CLEARANCE 42".





DETAIL A

CONTROL BOX BOTTOM



Electrical Data

Unit Size (ton)	Rated Voltage (a)	Condenser Fan Motor(b)		CPT Amps	Compressor Motor							Unit Characteristics	
						RLA			LRA				
		Qty	FLA		Qty	1A/2A	1B/2B	1C/2C	1A/2A	1B/2B	1C/2C	MCA(c)	MOP(d)
30	230/60/3XL	3	4.1	1	2	48.8	48.8	-	351	351		124	150
	460/60/3XL	3	1.8	1	2	25.5	25.5	-	197	197		64	80

(a) Voltage Utilization Range is +/- 10% of Rated voltage (use range): 230/60/3 (208-254), 460/60/3 (414-506)
(b) Electrical information is for each individual motor.
(c) Minimum circuit ampacity (MCA) is 125 percent of the RLA of one compressor motor plus the total RLA of the remaining motors.
(d) Maximum Overcurrent Protection Device permitted by NEC 440-22 is 225 percent of the RLA of one compressor motor plus the total RLA of the remaining motors.

Note: Local codes may take precedence.