



PRMH20230807

BCH0050MCACZA0900 - SUBMITTAL

Project Name:		Project Location:	
Quote ID:		Item #:	8000
Submitted For:		Submitted On:	
Submitted By:		Submitted From:	
Identity #:		Tag:	

For Record

For Approval

By: _____

Date: _____

General Product Information

Product Family:	BCH	Compressor Brand:	Copeland
Application:	Outdoor	Compressor Type:	Scroll
Temperature Range:	Medium Temp	Compressor Hp:	5
Voltage: (Volts/Ph/Hz)	208-230/3/60	Compressor Model:	ZS33KAE-TF5-118
Refrigerant Type:	R448A	Number of Compressor(s):	1
Piping:	Standard	Coil Type:	Microchannel

Technical Information

Performance Data

Ambient Temperature (°F)	Saturated Suction Temperature (°F)	Application Capacity* (BTU/H)	Altitude (ft)	AWEF Value
95	25.0	37,130	0	7.6

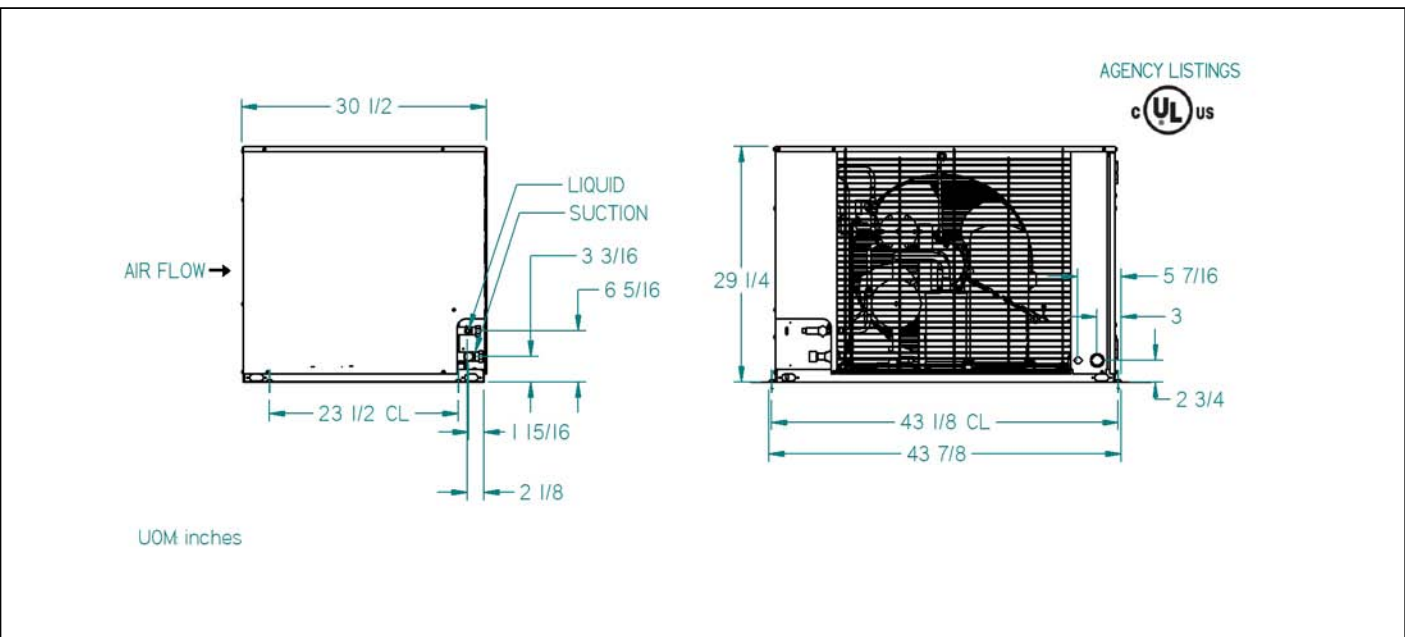
Electrical Data

Compressor(s)		Fan Motor(s)			Electric Ratings						
RLA	LRA	Quantity	Hp	FLA	Defrost Type	High or Low Amps?	Number of Contactors	MCA	MOPD	Evap. Fan Amps	Defrost Heater Amps
20	114	1	1/3	3.5	AIR DEFROST			28.5	45	10	30

Unit Specifications

Connections (in.)		Receiver 90% Full (lbs)		Fan Blade(s) Diameter (in)	Sound Data (dB)	Approx. Net Weight (lbs)
Liquid Line	Suction	Standard	Over Sized			
0.5	1.125	20	40	22	63	330

Dimensional Drawing(s)



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



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Standard Features

CABINET AND CONSTRUCTION

- MICROCHANNEL COIL TECHNOLOGY STANDARD ON ALL UNITS

QUALITY

- ALL UNITS ARE COMPLETELY LEAK TESTED IN A HELIUM ENVIRONMENT, BUMP TESTED AND ALLOWED TO CYCLE OFF ON THE HIGH AND LOW PRESSURE CONTROL. EACH UNIT HAS A COPY OF THE RUN DATA SHIPPED INSIDE THE ELECTRICAL PANEL
- ELECTRICAL CIRCUITS ARE COMPLETELY CHECKED FOR CONTINUITY
- PIPING IS LAID OUT TO MINIMIZE STRESS AND VIBRATION AND IS PRE-BENT TO ELIMINATE LEAKS
- ENCAPSULATED, AUTO-RESET, HIGH AND LOW PRESSURE CONTROLS TO ELIMINATE LEAKS (ADJUSTABLE LOW PRESSURE CONTROL STANDARD)
- PAINTED STEEL CABINETS FOR SUPERIOR STRENGTH AND CORROSION PROTECTION
- HEAVY DUTY, STEEL, 1-1/2" TALL BASE

SERVICEABILITY

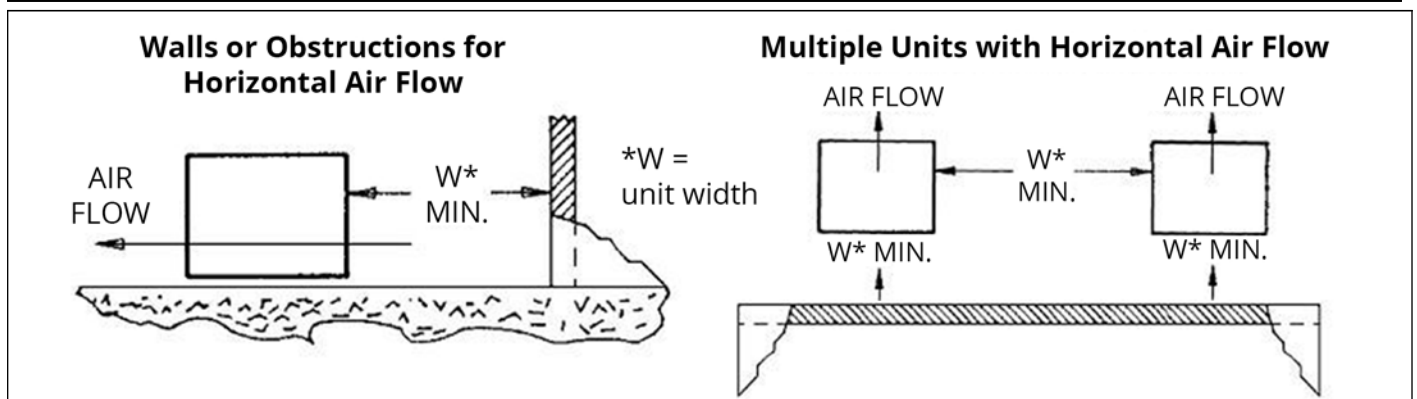
- SUCTION SERVICE VALVES FOR HERMETIC AND SCROLL COMPRESSORS LOCATED OUTSIDE THE CABINET FOR QUICK INSTALLATIONS.
- RECEIVER WITH FUSIBLE PLUG, LIQUID SHUTOFF VALVE AND CHARGING PORT IS STANDARD
- LARGE ELECTRICAL PANEL FOR EASE OF ACCESS
- PREFABRICATED WIRING HARNESSSES FOR TIGHT CRIMP CONNECTIONS AND CONSISTENT LABELING
- UNIT STAYS ON IF THE HOOD IS REMOVED FOR SERVICING
- SIGHT GLASS IS EASILY VIEWABLE

Options

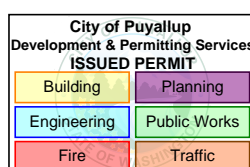
Mounted Options

- Preferred Package Code - A0900
- Motor - PSC
- Receiver Options - STANDARD
- Liquid Line Options - FILTER DRIER AND SIGHT GLASS
- Discharge Line Options - HEAD PRESSURE VALVE 150#
- Fused Disconnect - NO FUSED DISCONNECT
- Crankcase Heater - CRANKCASE HEATER
- Pre Charged - NONE
- Hail Guard Factory Installed - NONE
- Brand Label - BOHN
- Coil Selection - MICROCHANNEL COIL
- Defrost Timer Options - INTELLIGEN/BEACON II
- Suction Line Options - FILTER
- Cabinet Selection - Painted
- Pressure Options - ADJUSTABLE LOW - FIXED HIGH
- Phase Loss Monitor - NONE
- Snow Legs - NONE

Minimum Unit Clearances



* Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov





BEL0105BS6AMAB0100 - SUBMITTAL

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 For Approval

By: _____

Date: _____

General Product Information

Product Family:	BEL	Motor type	2 SPEED EC
Defrost Type:	Air	Number of Fans:	2
Voltage: (Volts/Ph/Hz)	208-230/1/60	Fan HorsePower	1/20
Refrigerant Type:	R448A	Fins per Inch	6

Technical Information

Performance Data

Capacity			Air Flow				Altitude (ft)	AWEF Value	
TD (°F)	SST (°F)	Application Capacity* (BTU/H)	CFM	Fan Diameter (in.)	Air Throw (ft)			Cooler > 32	Freezer <= 32
					Standard	w/Collar			
10	25.0	12,500	1305	12			0	9	N/A

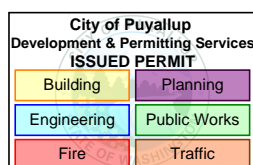
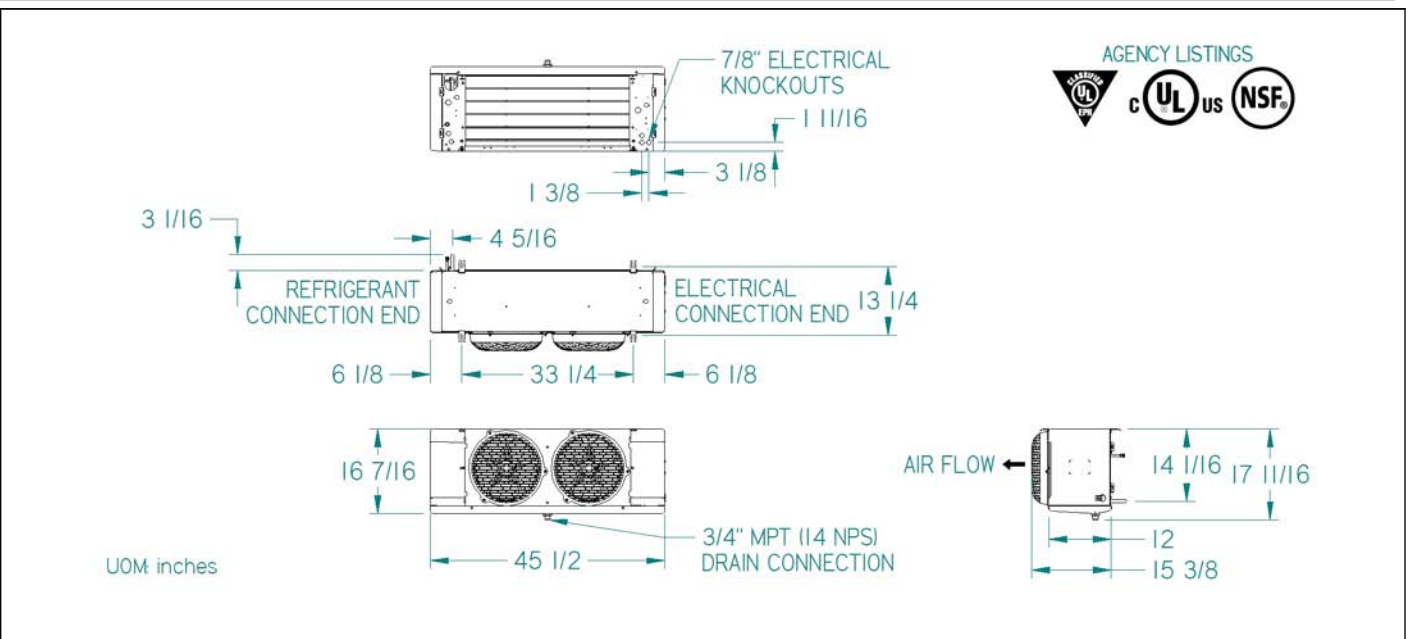
Electrical Data

Fan Motor(s)		Defrost Heater(s)		Drain Pan Heater(s)	
Watts	Amps	Watts	Amps	Watts	Amps
110	1				

Unit Specifications

Connections (in.)						Approx. Net Weight (lbs)
Coil Inlet	Suction	External Equalizer	Drain	Side Port	Hot Gas Drain Pan	
1/2	5/8	1/4	3/4			52

Dimensional Drawing(s)





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Standard Features

EASE OF INSTALLATION SERVICE

- ALL ELECTRICAL COMPONENTS FACTORY WIRED TO TERMINAL BOARD AND IDENTIFIED, MAKING IT EASY TO FIELD WIRE THE UNIT

RELIABLE DURABLE

- HEAVY GAUGE GRAINED ALUMINUM CABINET CLEANS EASILY AND LOOKS ATTRACTIVE
- MOLDED FAN GUARD AND ACCESS PANELS ARE MADE OF STRONG, DURABLE, AND NSF AND UL SANITATION RATED PLASTIC MATERIAL
- SWEAT CONNECTIONS TO REDUCE POTENTIAL FOR LEAKS

PERFORMANCE

- EC MOTORS STANDARD ON ALL MODELS FOR IMPROVED UNIT EFFICIENCY

VERSATILE

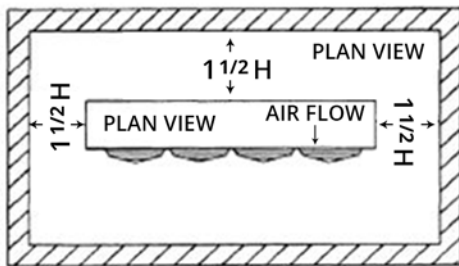
- LARGE DIAMETER DRAIN HOLE (3/4" ID) IS LOCATED TOWARDS THE BACK OF THE UNIT
- MINIMAL HEIGHT OF THE LOW PROFILE SERIES MAKES IT IDEAL FOR LOW CEILING COOLERS
- CABINET DESIGN FEATURES HINGED, REMOVABLE FRONT ACCESS PANELS ON EACH SIDE FOR EASY ACCESS TO ELECTRICAL AND REFRIGERATION COMPONENTS
- LIQUID LINE SOLENOID WIRE HARNESS IS FACTORY-INSTALLED FOR QUICK INSTALLATION
- MOTORS PLUG INTO WIRING HARNESS FOR EASIER SERVICING
- HINGED, REMOVABLE DRAIN PAN FOR EASY AND SAFE ACCESS
- PRE-DRILLED HOLES ON THE BACK OF THE UNIT FOR ROOM THERMOSTAT
- QUICK REMOVAL FAN GUARD/MOTOR ASSEMBLY FOR EASY SERVICE OR REPLACEMENT OF AIR MOVER PARTS
- INTERNAL PANELS ARE ISOLATED FOR QUIET OPERATION
- INTERNALLY ENHANCED TUBING AND FIN DESIGN FOR HIGHER EFFICIENCY

Options

Mounted Options

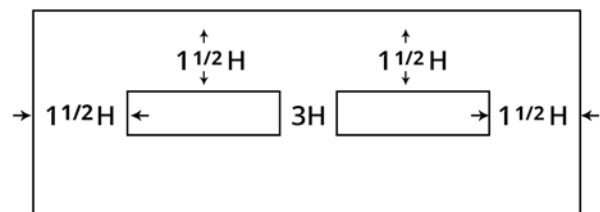
- Brand Label - BOHN
- DTFD Option - None
- Fan Guard - Molded
- Drain Pan Type - Stucco
- Fin Material - Aluminum
- Liquid Temperature - 95
- Valve Family - L
- Motor - 2 Speed EC
- Fan Blade - Standard
- Cabinet Type - Stucco
- Controller Option - Beacon II
- Coil Mechanical Option - Beacon/QRC
- Customer Specified Valve Type - EEV

Minimum Unit Clearances



One Evaporator

NOTE:
H = Total Height evaporator coil surface.



Two Evaporators

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