

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	Е	By:	Date):
			,		

General Product Information

Product Family:	всн
Application:	Outdoor
Temperature Range:	Medium Temp
Voltage: (Volts/Ph/Hz)	208-230/3/60
Refrigerant Type:	R448A
Piping:	Standard

Compressor Brand:	Copeland
Compressor Type:	Scroll
Compressor Hp:	5
Compressor Model:	ZS33KAE-TF5-118
Number of Compressor(s):	1
Coil Type:	Microchannel

Technical Information

Performance Data

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

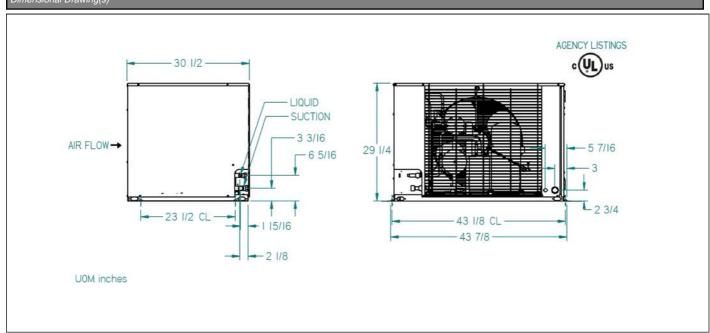
Electrical Data

(Comp	ressor(s)	Fan N	Notor(s)				Electric Ra	tings			
R	RLA	LRA	Quantity	Нр	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

Connection	ns (in.)	Receiver 9	90% Full (lbs)	Fan Blade(s)	Sound Data	Approx. Net	
Liquid Line	Suction	Standard	Over Sized	Diameter (in)	(dB)	Weight (lbs)	
0.5	1.125	20	40	22	63	330	

Dimensional Drawing(s)





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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 HARNESSES FOR TIGHT CRIMP CONNECTIONS AND CONSISTENT LABELING
- UNIT STAYS ON IF THE HOOD IS REMOVED FOR SERVICING
- SIGHT GLASS IS EASILY VIEWABLE

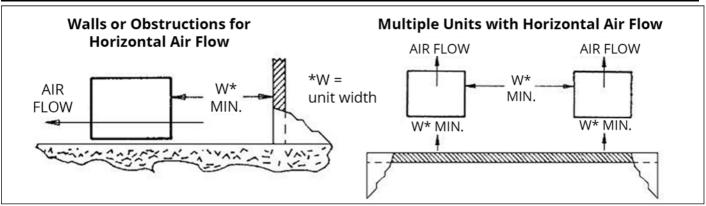
Options

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

Project Name:	Project Location:	
Quote ID:	Item #:	7000
Submitted For:	Submitted On:	
Submitted By:	Submitted From:	
Identity #:	Tag:	

☐ For Record	☐ For Approval	Ву:	Date:
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General Product Information

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

Motor type	2 SPEED EC
Number of Fans:	2
Fan HorsePower	1/20
Fins per Inch	6

Technical Information

Performance Data

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

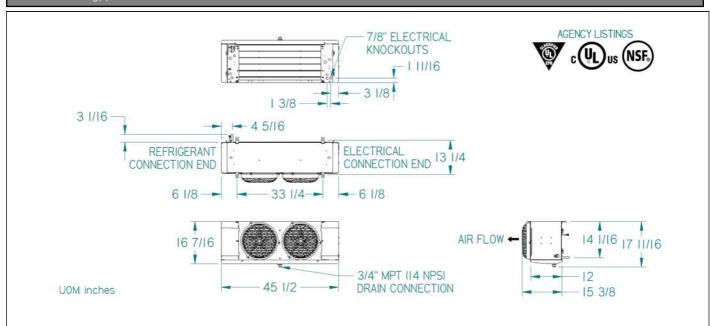
Flectrical Data

Fan M	otor(s)	Defros	t Heater(s)	Drain Pan Heater(s)				
Watts	Amps	Watts	Amps	Watts	Amps			
110	1							

Unit Specifications

	Connections (in.)									
Coil Inlet	Suction	External Equalizer	Drain	Side Port	Hot Gas Drain Pan	Weight (lbs)				
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

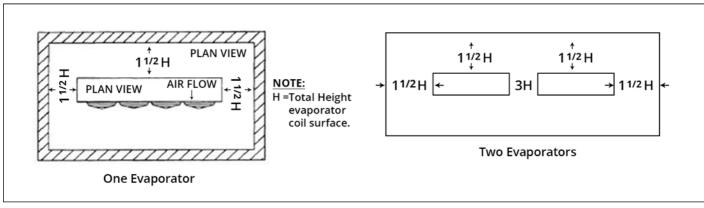
Options

Mounted Options

- Brand Label BOHN
- DTFD Option None
- Fan Guard Molded
 Paris Bara Target Officers
- Drain Pan Type StuccoFin 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



^{*} 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

GHO Series Outdoor Air-Cooled Condensing Units Old Rooftop Unit to be replaced

Model Number	Compressor	H.P.	Volts/ Phase			at 95° t Temp. mperat		Min. Circuit Am-	Max. Over- current	er- rent Housing Dimension		nsions	Dimer (7/16		ns Connections		Receiv- er Cap. (Lbs.)	Appro: Ship Wt.
Number			achtman.	+40°	+30°	+20°	+10°	pacity	Device (Amps)	Width	Depth	Height	Width	Depth	Liquid	Suction		(Lbs
A 10.71 34			М	EDIUI	W & H	GH T	EMPE	RATURE	HER	METIC	STATE OF THE PARTY.		OHZ					
GCOH 0152 RP GHOH 0152 RP	CRA1-0150-PFV CRA1-0150-PFV	1-1/2 1-1/2	208-230/1 208-230/1	19.5 17.6	15.7 14.4	12.4 11.5	9.5 8.9	16 16	20 20	44-5/8 38-7/8	33-1/4 33-1/4	29-5/8 24-1/4	41-3/8 35-1/2	29-7/8 29-7/8	3/8	5/8 5/8	26 17	34:
GCOH 0202 RK	CRD1-0200-TF5	2	208-230/3	24.5	19.8	15.7	12.1	13	15	44-5/8	33-1/4	29-5/8	41-3/8 41-3/8	29-7/8 29-7/8	3/8	7/8 7/8	26 26	36 35
GCOH 0202 RP GHOH 0202 RK	CRD1-0200-PFV CRD1-0200-TF5	2 2	208-230/1 208-230/3	24.5	19.8	15.7	12.1	19 12	25 15	44-5/8 38-7/8	33-1/4	29-5/8	35-1/2	29-7/8	3/8	5/8	17	29
GHOH 0202 RP	CRD1-0200-PFV	2	208-230/1	20.7	17.2	13.9	11.0	18	25	38-7/8	33-1/4	24-1/4	35-1/2	29-7/8	3/8	5/8	17	28
GCOH 0252 RK GCOH 0252 RP	CRG3-0250-TF5 CRG3-0250-PFV	3 11 11 11 11 11 11	208-230/3 208-230/1	36.0 36.0	29.1 29.1	22.7 22.7	17.3 17.3	16 23	30 35	52-5/8 52-5/8	41-1/8 41-1/8	35-7/8 35-7/8	49-3/8 49-3/8	37-5/8 37-5/8	3/8 3/8	7/8 7/8	28 28	48
GCOH 0302 RK	CRJ3-0300-TF5	3	208-230/3	40.7	32.6	25.6	19.6	21	30	52-5/8	41-1/8	42-1/8	49-3/8	37-5/8	1/2	7/8	28 28	50
GCOH 0302 RP GHOH 0302 RK	CRJ3-0300-PFV CRJ3-0300-TF5	3	208-230/1 208-230/3	40.7 33.5	32.6 27.4	25.6 21.9	19.6	30 19	45 30	52-5/8 44-5/8	41-1/8 33-1/4	42-1/8 29-5/8	49-3/8 41-3/8	37-5/8 29-7/8	1/2	7/8 7/8	26	36
3HOH 0302 RP	CRJ3-0300-PFV	3	208-230/1	33.5	27.4	21.9	17.1	28	45	44-5/8	33-1/4	29-5/8	41-3/8	29-7/8	1/2	7/8	26	38
GCOH 0402 RK	CRM3-0400-TF5	2 1 1 2 2	208-230/3 208-230/1	59.3 59.3	47.4 47.4	37.0 37.0	28.1	25 40	40 65	52-5/8 52-5/8	41-1/8	42-1/8 42-1/8	49-3/8 49-3/8	37-5/8 37-5/8	1/2	7/8 7/8	28	54
GCOH 0402 RP GHOH 0402 RK	CRM3-0400-PF\ CRM3-0400-TF8	5 1 2	208-230/3	49.8	40.7	32.3	24.9	25	35	44-5/8	33-1/4	32-1/8	41-3/8	29-7/8	1/2	7/8	26	40
GHOH 0402 RP	CRM3-0400-PF\	47.	208-230/1	49.8	40.7	32.3	24.9	38	60	44-5/8	33-1/4	32-1/8	41-3/8	29-7/8	1/2	7/8	26	36
GCOH 0502 RK	CRN5-0500-TF5	100	208-230/3 208-230/1	67.7 67.7	54.5 54.5	42.9	32.9	32 45	45 70	52-5/8 52-5/8	41-1/8	42-1/8 42-1/8	49-3/8 49-3/8	37-5/8 37-5/8	1/2	7/8 7/8	28 28	58
GCOH 0502 RP GHOH 0502 RK	CRN5-0500-FF5		208-230/3	58.0	47.6	38.1	29.7	29	45	44-5/8	33-1/4	32-1/8	41-3/B	29-7/8	1/2	7/8	28	4
GHOH 0502 RP	CRN5-0500-PF\	5	208-230/1	58.0	47.6	38.1	29.7	43	70	44-5/8	33-1/4	32-1/8	41-3/8	29-7/8	1/2	7/8	28	4
	Name of Street			EDIU	-		ATUR	2000	II-HERI		R-50	-	HZ	00.7/8	2/0	7/8	17	4
	ERC1-0200-CAE ERC1-0200-TAC		230/1 208-230/3	=	20.5	17.0	13.8 13.8	24 24	25 25	38-7/8 38-7/8	33-1/4 33-1/4	24-1/4 24-1/4	35-1/2 35-1/2	29-7/8 29-7/8	3/8 3/8	7/8	17	4
3HOM 0305 RD		0 160	230/1	2	30.4	25.1	20.4	40	40	44-5/8	33-1/4	29-5/8	41-3/8	29-7/8	1/2	1-1/8	27	4
	ERF1-0310-TAC 3RA2-0310-CAE		208-230/3	_	30.4	25.1	20.4	40 40	40 40	44-5/8	33-1/4	29-5/8 32-1/8	41-3/8 41-3/8	29-7/8 29-7/8	1/2	1-1/8	27	45
	3RA1-0310-TAC	(G)	208-230/3	-	36.6	30.0	24.2	40	40	44-5/8	33-1/4	32-1/8	41-3/8	29-7/8	1/2	1-1/8	27	4
	310 7.4		N	EDIU	M & H	IGH T	EMPE	RATUR	E HEF	RMETI	C R-	22 60	HZ				-	100
GHOH 0152 VP	CRA1-0150-PFV	+		16.9	13.4	10.3	7.6	16	20	38-7/8	33-1/4	24-1/4	35-1/2	29-7/8	3/8	5/8	17	33
	CRD1-0200-TF5 CRD1-0200-PFV	5 72	208-230/3 208-230/1	20.8	16.7 16.7	13.0	9.7 9.7	12 18	15 25	38-7/8 38-7/8	33-1/4 33-1/4	24-1/4 24-1/4	35-1/2 35-1/2	29-7/8 29-7/8	3/8 3/8	5/8 5/8	17 17	3
	CD 12 0200 TF5	3	208-230/3	32.2	25.7	19.9	14.8	19 28	30 45	44-5/8 44-5/8	33-1/4	29-5/8 29-5/8	41-3/8 41-3/8	29-7/8 29-7/8	1/2	7/8 7/8	26 26	3
SMANN		3	208-230/1	32.2 47.5	25.7 39.0	31.1	14.8	25	35	44-5/8	33-1/4	32-1/8	41-3/8	29-7/8	1/2	7/8	26	3
)	FPF		208-230/3	47.5	39.0	31.1	24.0	30	- 60	44-5/8	33-1/4	32-1/8	41-3/8	29-7/8	1/2	7/8	26	3
GCOH 0502 VK	CRN5-0500-TF5	200	208-239/3	59.5	47.4	36.8	27.5	32	45	52-5/8	41-1/8	42-1/8	49-3/8	37-5/8	1/2	7/8 7/8	28 28	51
GCOH 0502 VP	CRN5-0500-PF\ CRN5-0500-TF6		208-230/1 208-230/3	59.5 53.4	47.4	36.8	27.5 25.6	45 29	70 45	52-5/8 44-5/8	41-1/8 33-1/4	42-1/8 32-1/8	49-3/8 41-3/8	37-5/8 29-7/8	1/2	7/8	28	4
CHOLLOCOTHO	CRN5-0500-PF	/ 5	208-230/1	53.4	43.1	33.9	25.6	43	70	44-5/8	33-1/4	32-1/8	41-3/8	29-7/8	1/2	7/8	28	4
	BRE2-0750-TFC			82.5	66.7	52.1	38.9	39	60 30 (15*)	52-5/8	41-1/8	35-7/8 35-7/8	49-3/B	37-5/8	5/8	1-1/8	28 ea. 28 ea.	5
CARLO CALLO CONTRACTOR OF THE PARTY OF THE P	BRE2-0750-TF0 BRH2-1000-TF0		460/3 208-230/3	110.2	90.0	71.5	38.9 54.8	19 (7*)	30 (15°) 80	52-5/8	Contract of	42-1/8	49-3/8	Constitution of	5/8	1-1/8	40 ea.	6
	BRH2-1000-TFC	CHI CHEST	460/3	110.2	90.0	71.5	54.8	25 (7*)	45 (15*)	52-5/8	V 47 (514)46	42-1/8	49-3/8	37-5/8	5/8	1-1/8	40 ea.	6
	of the state		MED	MUI	HIG	H TEN	PERA	TURE	SEMI-	HERM	-	R-22	60 HZ				HERES.	1500
	ERC2-0200-CA		230/1 208-230/3	-	18.7 18.7	14.9	11.6 11.6	24 24	25 25	38-7/8 38-7/8	33-1/4	24-1/4	35-1/2 35-1/2	177745 TOLINGS	3/8	7/8	17	3
GHOM 0206 VK	ERC1-0200-TA0		230/1	34.3	28.4	23.1	18.5	40	40	44-5/8		29-5/8	41-3/8	29-7/8	1/2	1-1/8	26	4
GHOH 0306 VK	ERF1-0310-TAC	3	208-230/3	34.3	28.4	23.1	18.5	40	40	44-5/8	33-1/4	29-5/8	41-3/8	29-7/8	1/2	1-1/8	26	5
	3RA2-0310-CAE	5 6	230/1 208-230/3	=	34.3	27.4	21.5	40	40	44-5/8 44-5/8	Lieral College	29-5/8 29-5/8	41-3/8 41-3/8	29-7/8 29-7/8	1/2	1-1/8	26 26	5
GHOH 0506 VD	3RA1-0310-TAC NRA2-0500-CF	8 5	230/1	56.6	46.8	37.7	29.7	50	70	52-5/8	41-1/8	35-7/8	49-3/8	37-5/8	1/2	1-3/8 1-3/8	28 28	5
	NRA2-0500-TF0		208-230/3	56.6	75.6	61.7	49.5	50 75	50 80	52-5/8		35-7/8	49-3/8		5/8	1-3/8	28 ea.	5
CHECH 11/54 VK	2DA3-0750-TF0	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A PARTICIPATION OF A STATE OF	91.0	75.6	61.7	49.5	23 (75*)	30 (80*)	52-5/8		35-7/8	49-3/8	A STATE OF THE PARTY OF THE PAR	0.000000	1-3/8	28 ea.	5
GHOH 0754 VM	12DA3-0130-111	0.00						1775				BOARD AND	F LIE SANGE	1 mm m 20	0.00	1 + 444	1 1 mm	1 7
GHOH 0754 VM GHOM 1004 VK	3DB3-1000-TF0	10	208-230/3 460/3	-	104.6 104.6	84.4 84.4	67.6 67.6	75 32 (75°)	100 50 (80°)	52-5/8 52-5/8	41-1/8	42-1/8 42-1/8	49-3/8	TELEVISION STATE	237.0	1-3/8	40 ea. 40 ea.	7

FOR REFRENCE ONLY

City of Puyallup Development & Permitting Service ISSUED PERMIT								
Building	Planning							
Engineering	Public Works							
Fire OF V	Traffic							