BN-HTSTB I AUG 2016
Replaces BN-HTSTB I May 2016

HRC

HEATCRAFT™ Worldwide Refrigeration

1/2 - 6HP

Air cooled semi-hermatic & hermatic condensing units

Technical Guide

Models|BH|BS

BOHN

HRC

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HRCCOMPANY

Nomenclature

B	H	T	030	L	6	C	F
Model	Compressor	Application	Equiv. HP	Temperature	Refrigerant*	Voltage	Identifier
B = Bohn	H = Hermetic		005 = 1/2 HP	H - High Temp.	6 - R-404A, R-507	B = 208-230/1/60	F = Stock
	S = Semi-Herm	N= indoor	008, 009 = 3/4 HP	M - Med. Temp.		C = 208- 230 / 3/ 60	
			010, 011 = 1 HP	L - Low Temp.		D = 460 / 3 / 60	
			01* = 1 1/2 HP	E - Extra Low Temp.		G = 230/1/60	
			02* = 2 HP	X = Extended Temp.		K = 230/3/60	
			03* = 3 HP				
			04* = 4 HP				
			05* = 5 HP				
			060 = 6 HP				

*(R-407A/407C Available on select Hermetic and Scroll Models, and R-448A/449A available on select Scroll Models)

Features & Benefits

Cabinet & Construction

- Microchannel coil technology standard on most units
- Painted steel cabinets for superior strength and corrosion protection
- Heavy duty steel raised base with 1-1/2" legs
- Fan guards and wiring conduit on indoor models

Serviceability

- Suction service valves for hermetic and scroll compressors located outside the cabinet for quick installations. Semi-hermetic compressor models have a suction valve on the compressor and an access fitting on the suction line entering the cabinet.
- 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

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 (standard on all high and medium temperature models, adjustable low pressure control standard on low temperature models)

Components

Fan

- Specifically matched with motor and coil to attain maximum air movement and cooling

Motor

- Rated for 50 and 60 cycle application
- Standard PSC or optional Variable Speed EC (VSEC) motors with Orbus Controller

Compressor

- Wide variety of compressors including : hermetic, semi-hermetic and R-404A/507 available for both medium and low temperature applications
- Spring-mounted compressors with vibration eliminators on all 1-1/2 to 6 HP semi-hermetic compressors; 1/2 to 1 HP semi-hermetic compressors are rigid mounted and have a discharge loop
- Discharge service vervice come standard on all units including hermetics

High Temperature R-404A/507

Model	Compressor	Capacity BTUH @ 90°F Ambient by SST	
		40°F	35°F
BH*005H6†	RST45C1E	8,910	8,150
BH*009H6†	RST64C1E	12,520	11,570
BH*010H6†	RST70C1E	13,720	12,610
BH*015H6	CS10K6E	21,400	19,460
BH*025H6	CS14K6E	26,320	24,270
BH*032H6	CS20K6E	42,890	39,110
BH*040H6	CS27K6E	52,240	48,170
BH*050H6	CS33K6E	57,030	52,650

Model	Compressor	Capacity BTUH @ 95°F Ambient by SST	
		40°F	35°F
BH*005H6†	RST45C1E	8,510	7,790
BH*009H6†	RST64C1E	11,980	11,080
BH*010H6†	RST70C1E	13,010	11,960
BH*015H6	CS10K6E	20,260	18,400
BH*025H6	CS14K6E	25,000	23,030
BH*032H6	CS20K6E	40,730	37,110
BH*040H6	CS27K6E	49,580	45,670
BH*050H6	CS33K6E	54,240	50,060

Model	Compressor	Capacity BTUH @ 100°F Ambient by SST	
		40°F	35°F
BH*005H6†	RST45C1E	8,120	7,430
BH*009H6†	RST64C1E	11,440	10,580
BH*010H6†	RST70C1E	12,310	11,320
BH*015H6	CS10K6E	19,120	17,350
BH*025H6	CS14K6E	23,690	21,810
BH*032H6	CS20K6E	38,560	35,100
BH*040H6	CS27K6E	46,920	43,180
BH*050H6	CS33K6E	51,440	47,460

Model	Compressor	Capacity BTUH @ 110°F Ambient by SST	
		40°F	35°F
BH*005H6†	RST45C1E	7,340	6,710
BH*009H6†	RST64C1E	10,350	9,580
BH*010H6†	RST70C1E	10,920	10,040
BH*015H6	CS10K6E	16,880	15,280
BH*025H6	CS14K6E	21,100	19,410
BH*032H6	CS20K6E	34,210	31,070
BH*040H6	CS27K6E	41,630	38,220
BH*050H6	CS33K6E	45,860	42,260

NOTES:

* = T for Outdoor, N for Indoor, S for Beacon II

†= RST compressor not suitable for R-507

** BTU to KW : KW=BTU X 0.0002928*

** °F to ℃ : (°F - 32) X 0.55 = ℃*

** All compressors mentioned above are Copeland*

Medium Temperature Models R-404A/507

Model	Compressor	Capacity BTUH @ 90°F Ambient by SST						
		25°F	20°F	15°F	10°F	5°F	0°F	-5°F
BS*010M6	KAR-010E	9,680	8,730	7,930	7,260	6,500	5,890	5,000
BS*020M6	KAK-020E	16,890	15,110	13,590	12,260	11,070	9,940	8,690
BS*021M6	ERC-021E	19,930	17,400	15,800	14,300	12,800	11,840	10,220
BS*030M6	ERF-031E	30,880	28,310	25,730	23,180	20,690	18,260	15,950

Model	Compressor	Capacity BTUH @ 95°F Ambient by SST						
		25°F	20°F	15°F	10°F	5°F	0°F	-5°F
BS*010M6	KAR-010E	9,140	8,300	7,600	6,870	6,150	5,550	4,730
BS*020M6	KAK-020E	16,240	14,530	13,070	11,790	10,640	9,560	8,360
BS*021M6	ERC-021E	18,850	16,500	14,900	13,500	12,700	11,140	9,580
BS*030M6	ERF-031E	29,690	27,220	24,740	22,290	19,890	17,560	15,340

Model	Compressor	Capacity BTUH @ 100°F Ambient by SST						
		25°F	20°F	15°F	10°F	5°F	0°F	-5°F
BS*010M6	KAR-010E	8,680	7,950	7,110	6,410	5,780	5,220	4,450
BS*020M6	KAK-020E	15,590	13,950	12,550	11,320	10,210	9,180	8,030
BS*021M6	ERC-021E	17,840	16,280	14,870	13,440	11,970	10,450	8,940
BS*030M6	ERF-031E	28,500	26,130	23,750	21,400	19,090	16,860	14,730

Model	Compressor	Capacity BTUH @ 110°F Ambient by SST						
		25°F	20°F	15°F	10°F	5°F	0°F	-5°F
BS*010M6	KAR-010E	7,740	7,000	6,350	5,720	5,120	4,600	3,900
BS*020M6	KAK-020E	14,290	12,790	11,500	10,380	9,360	8,410	7,360
BS*021M6	ERC-021E	15,840	14,610	12,600	11,850	10,470	9,180	7,770
BS*030M6	ERF-031E	26,130	23,950	21,770	19,620	17,500	15,450	13,500

NOTES:
* = T for Outdoor, N for Indoor, S for Beacon II™

** BTU to KW : KW=BTU X 0.0002928*
** °F to °C : (°F - 32) X 0.55 = °C*
** All compressors mentioned above are Copeland*

Extended Temperature R-404A/R-507

Model	Compressor	Capacity BTUH @ 90°F Ambient by SST						
		30°F	25°F	20°F	0°F	-10°F	-20°F	-25°F
BH*005X6†	RST45C1E	6,850	6,270	5,710	3,690	2,810	1,980	1,550
BH*008X6†	RST55C1E	8,130	7,450	6,790	4,430	3,490	2,710	2,400
BH*009X6†	RST64C1E	9,590	8,820	8,080	5,350	4,240	3,270	2,850
BH*010X6†	RST70C1E	10,060	9,300	8,660	5,540	4,080	2,750	2,050
BH*015X6	CS10K6E	16,430	15,090	13,550	7,910	5,280	3,610	2,970
BH*020X6	CS12K6E	18,590	17,000	15,420	9,110	6,330	4,030	3,270
BH*025X6	CS14K6E	20,150	18,630	17,270	10,900	8,050	5,740	4,760
BH*030X6	CS18K6E	29,490	27,030	24,550	14,390	10,600	7,380	6,180
BH*032X6	CS20K6E	32,420	29,620	26,840	15,930	12,200	8,780	7,000
BH*040X6	CS27K6E	43,970	39,510	35,150	20,560	14,980	11,830	8,690
BH*050X6	CS33K6E	44,600	43,160	39,300	24,160	17,610	13,500	11,700

Model	Compressor	Capacity BTUH @ 95°F Ambient by SST						
		30°F	25°F	20°F	0°F	-10°F	-20°F	-25°F
BH*005X6†	RST45C1E	6,530	5,970	5,440	3,510	2,660	1,850	1,430
BH*008X6†	RST55C1E	7,730	7,070	6,440	4,180	3,280	2,550	2,250
BH*009X6†	RST64C1E	9,150	8,420	7,710	5,090	4,020	3,100	2,690
BH*010X6†	RST70C1E	9,400	8,850	8,170	5,120	3,770	2,610	1,820
BH*015X6	CS10K6E	15,400	13,960	12,800	7,220	5,060	3,330	2,630
BH*020X6	CS12K6E	17,490	16,000	14,470	8,370	5,830	3,860	2,830
BH*025X6	CS14K6E	18,920	17,490	16,250	10,090	7,530	5,230	4,330
BH*030X6	CS18K6E	27,840	25,490	23,130	13,480	9,710	6,750	5,620
BH*032X6	CS20K6E	30,530	27,890	25,240	14,800	11,200	7,930	6,220
BH*040X6	CS27K6E	41,480	37,270	33,160	19,400	14,130	11,160	8,200
BH*050X6	CS33K6E	42,300	41,000	37,180	22,370	17,300	12,700	10,900

Model	Compressor	Capacity BTUH @ 100°F Ambient by SST						
		30°F	25°F	20°F	0°F	-10°F	-20°F	-25°F
BH*005X6†	RST45C1E	6,200	5,670	5,170	3,330	2,510	1,720	1,310
BH*008X6†	RST55C1E	7,320	6,700	6,090	3,930	3,070	2,390	2,100
BH*009X6†	RST64C1E	8,720	8,010	7,340	4,830	3,810	2,920	2,540
BH*010X6†	RST70C1E	8,790	8,290	7,680	4,760	3,430	2,230	1,570
BH*015X6	CS10K6E	14,210	13,150	11,780	6,660	4,580	2,930	2,270
BH*020X6	CS12K6E	16,410	14,990	13,380	7,700	5,280	3,420	2,420
BH*025X6	CS14K6E	17,730	16,390	15,220	9,390	6,950	4,770	3,930
BH*030X6	CS18K6E	26,190	23,970	21,800	12,570	8,880	6,120	5,110
BH*032X6	CS20K6E	28,600	26,160	23,750	13,740	10,300	7,050	5,370
BH*040X6	CS27K6E	38,980	35,030	31,180	18,240	13,290	10,500	7,700
BH*050X6	CS33K6E	39,800	38,760	34,810	20,760	16,200	11,800	10,000

Model	Compressor	Capacity BTUH @ 110°F Ambient by SST						
		30°F	25°F	20°F	0°F	-10°F	-20°F	-25°F
BH*005X6†	RST45C1E	5,540	5,060	4,610	2,950	2,210	1,470	1,080
BH*008X6†	RST55C1E	6,530	5,970	5,410	3,450	2,670	2,070	1,820
BH*009X6†	RST64C1E	7,830	7,200	6,580	4,310	3,390	2,580	2,250
BH*010X6†	RST70C1E	7,700	7,140	6,590	4,080	3,010	1,680	–
BH*015X6	CS10K6E	12,150	11,110	10,030	5,410	3,650	2,140	1,540
BH*020X6	CS12K6E	14,270	12,980	11,550	6,460	4,410	2,580	1,660
BH*025X6	CS14K6E	15,430	14,450	13,230	8,100	5,760	3,860	2,990
BH*030X6	CS18K6E	23,000	21,020	18,970	10,810	7,100	4,940	4,140
BH*032X6	CS20K6E	24,840	22,790	20,580	11,490	8,260	5,270	3,630
BH*040X6	CS27K6E	35,150	31,240	27,520	15,210	11,290	8,920	6,550
BH*050X6	CS33K6E	35,200	34,060	30,530	19,000	14,100	10,400	9,010

NOTES:

* = T for Outdoor, N for Indoor, S for Beacon II

†= RST compressor not suitable for R-507

** BTU to KW : KW=BTU X 0.0002928*

** °F to °C : (°F - 32) X 0.55 = °C*

** All compressors mentioned above are Copeland*

Low Temperature Models R-404A/507

Model	Compressor	Capacity BTUH @ 90°F Ambient by SST						
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F	-40°F
BS*005L6	KAN-005E	3,530	3,150	2,760	2,050	1,720	1,420	930
BS*008L6	KAM-007E	6,010	5,360	4,730	3,570	3,050	2,580	1,820
BS*010L6	KAJ-010E	7,770	6,990	6,240	4,830	4,190	3,610	2,640
BS*015L6	KAL-015E	11,780	10,600	9,470	7,340	6,370	5,500	4,020
BS*020L6	EAD-020E	13,780	12,290	10,860	8,260	7,120	6,100	4,470
BS*021L6	EAV-021E	15,120	13,660	12,200	9,420	8,140	6,980	5,160
BS*030L6	LAH-032E	22,600	20,320	18,090	13,810	11,830	9,970	6,780
BS*030E6	LAC-032E	–	–	–	16,780	14,570	12,540	9,010

Model	Compressor	Capacity BTUH @ 95°F Ambient by SST						
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F	-40°F
BS*005L6	KAN-005E	3,310	2,940	2,580	1,900	1,580	1,300	830
BS*008L6	KAM-007E	5,520	4,900	4,320	3,280	2,810	2,390	1,620
BS*010L6	KAJ-010E	7,220	6,480	5,790	4,520	3,940	3,390	2,440
BS*015L6	KAL-015E	10,960	9,930	8,920	6,990	6,110	5,300	3,930
BS*020L6	EAD-020E	12,530	11,160	9,870	7,520	6,490	5,560	3,980
BS*021L6	EAV-021E	13,920	12,600	11,280	8,780	7,610	6,520	4,590
BS*030L6	LAH-032E	21,310	19,100	16,930	12,800	10,880	9,100	6,040
BS*030E6	LAC-032E	–	–	–	15,700	13,550	11,580	8,270

Model	Compressor	Capacity BTUH @ 100°F Ambient by SST						
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F	-40°F
BS*005L6	KAN-005E	3,100	2,760	2,400	1,750	1,450	1,170	750
BS*008L6	KAM-007E	5,290	4,680	4,100	3,020	2,540	2,100	1,400
BS*010L6	KAJ-010E	6,900	6,180	5,470	4,160	3,570	3,030	2,150
BS*015L6	KAL-015E	10,520	9,460	8,410	6,440	5,540	4,700	3,300
BS*020L6	EAD-020E	12,140	10,730	9,400	6,970	5,920	4,980	3,530
BS*021L6	EAV-021E	13,390	12,110	10,810	8,260	7,060	5,940	4,050
BS*030L6	LAH-032E	20,020	17,890	15,790	11,790	9,940	8,230	5,300
BS*030E6	LAC-032E	–	–	–	14,630	12,530	10,640	7,540

Model	Compressor	Capacity BTUH @ 110°F Ambient by SST						
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F	-40°F
BS*005L6	KAN-005E	2,680	2,360	2,030	1,440	1,160	900	520
BS*008L6	KAM-007E	4,560	4,010	3,470	2,480	2,030	1,620	970
BS*010L6	KAJ-010E	6,040	5,370	4,720	3,510	2,960	2,470	1,660
BS*015L6	KAL-015E	9,290	8,320	7,370	5,560	4,710	3,930	2,580
BS*020L6	EAD-020E	10,510	9,210	7,950	6,000	4,720	3,880	2,610
BS*021L6	EAV-021E	11,670	10,570	9,450	7,130	5,990	4,900	2,950
BS*030L6	LAH-032E	17,480	15,490	13,530	9,800	8,080	6,490	3,750
BS*030E6	LAC-032E	–	–	–	12,510	10,510	8,760	6,090

NOTES:
* = T for Outdoor, N for Indoor, S for Beacon II™

** BTU to KW : KW=BTU X 0.0002928*
** °F to °C : (°F - 32) X 0.55 = °C*
** All compressors mentioned above are Copeland*

Low Temperature R-404A/R-507

Model	Compressor	Capacity BTUH @ 90°F Ambient by SST					
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F
BH*011L6	CF04K6E	7,030	6,240	5,370	3,850	3,330	2,630
BH*014L6	CF06K6E	10,500	9,380	7,830	6,090	4,890	4,080
BH*019L6	CF06K6E	12,100	10,180	8,910	6,580	5,530	4,570
BH*025L6	CF09K6E	15,550	14,500	12,700	9,000	7,560	6,230
BH*031L6	CF12K6E	18,840	17,800	15,140	11,540	9,790	8,070

Model	Compressor	Capacity BTUH @ 95°F Ambient by SST					
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F
BH*011L6	CF04K6E	6,840	5,750	4,920	3,650	3,020	2,360
BH*014L6	CF06K6E	9,900	8,840	7,750	5,670	4,710	3,680
BH*019L6	CF06K6E	11,400	10,100	8,750	6,040	5,030	4,150
BH*025L6	CF09K6E	15,400	13,700	12,000	8,300	6,950	5,750
BH*031L6	CF12K6E	17,690	16,800	14,360	10,910	9,170	7,470

Model	Compressor	Capacity BTUH @ 100°F Ambient by SST					
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F
BH*011L6	CF04K6E	6,310	5,170	4,460	3,300	2,660	2,070
BH*014L6	CF06K6E	9,310	8,280	7,280	5,280	4,350	3,510
BH*019L6	CF06K6E	10,700	9,430	8,170	5,810	4,570	3,700
BH*025L6	CF09K6E	14,500	12,800	11,200	8,130	6,410	5,220
BH*031L6	CF12K6E	17,600	15,090	13,410	10,700	9,040	7,320

Model	Compressor	Capacity BTUH @ 110°F Ambient by SST					
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F
BH*011L6	CF04K6E	5,240	4,450	3,620	2,630	2,100	–
BH*014L6	CF06K6E	8,310	7,340	6,420	4,580	3,730	2,990
BH*019L6	CF06K6E	9,330	8,170	7,040	4,920	3,980	3,090
BH*025L6	CF09K6E	12,700	11,400	9,900	7,030	5,760	4,590
BH*031L6	CF12K6E	15,700	14,000	12,400	9,250	7,690	6,100

NOTES:
* = T for Outdoor, N for Indoor, S for Beacon II™

** BTU to KW : KW=BTU X 0.0002928*
** °F to °C : (°F - 32) X 0.55 = °C*
** All compressors mentioned above are Copeland*

Low Temperature Models R-404A/507

Model	Compressor	Capacity BTUH @ 90°F Ambient by SST						
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F	-40°F
BS*005L6	KAN-005E	3,530	3,150	2,760	2,050	1,720	1,420	930
BS*008L6	KAM-007E	6,010	5,360	4,730	3,570	3,050	2,580	1,820
BS*010L6	KAJ-010E	7,770	6,990	6,240	4,830	4,190	3,610	2,640
BS*015L6	KAL-015E	11,780	10,600	9,470	7,340	6,370	5,500	4,020
BS*020L6	EAD-020E	13,780	12,290	10,860	8,260	7,120	6,100	4,470
BS*021L6	EAV-021E	15,120	13,660	12,200	9,420	8,140	6,980	5,160
BS*030L6	LAH-032E	22,600	20,320	18,090	13,810	11,830	9,970	6,780
BS*030E6	LAC-032E	–	–	–	16,780	14,570	12,540	9,010

Model	Compressor	Capacity BTUH @ 95°F Ambient by SST						
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F	-40°F
BS*005L6	KAN-005E	3,310	2,940	2,580	1,900	1,580	1,300	830
BS*008L6	KAM-007E	5,520	4,900	4,320	3,280	2,810	2,390	1,620
BS*010L6	KAJ-010E	7,220	6,480	5,790	4,520	3,940	3,390	2,440
BS*015L6	KAL-015E	10,960	9,930	8,920	6,990	6,110	5,300	3,930
BS*020L6	EAD-020E	12,530	11,160	9,870	7,520	6,490	5,560	3,980
BS*021L6	EAV-021E	13,920	12,600	11,280	8,780	7,610	6,520	4,590
BS*030L6	LAH-032E	21,310	19,100	16,930	12,800	10,880	9,100	6,040
BS*030E6	LAC-032E	–	–	–	15,700	13,550	11,580	8,270

Model	Compressor	Capacity BTUH @ 100°F Ambient by SST						
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F	-40°F
BS*005L6	KAN-005E	3,100	2,760	2,400	1,750	1,450	1,170	750
BS*008L6	KAM-007E	5,290	4,680	4,100	3,020	2,540	2,100	1,400
BS*010L6	KAJ-010E	6,900	6,180	5,470	4,160	3,570	3,030	2,150
BS*015L6	KAL-015E	10,520	9,460	8,410	6,440	5,540	4,700	3,300
BS*020L6	EAD-020E	12,140	10,730	9,400	6,970	5,920	4,980	3,530
BS*021L6	EAV-021E	13,390	12,110	10,810	8,260	7,060	5,940	4,050
BS*030L6	LAH-032E	20,020	17,890	15,790	11,790	9,940	8,230	5,300
BS*030E6	LAC-032E	–	–	–	14,630	12,530	10,640	7,540

Model	Compressor	Capacity BTUH @ 110°F Ambient by SST						
		0°F	-5°F	-10°F	-20°F	-25°F	-30°F	-40°F
BS*005L6	KAN-005E	2,680	2,360	2,030	1,440	1,160	900	520
BS*008L6	KAM-007E	4,560	4,010	3,470	2,480	2,030	1,620	970
BS*010L6	KAJ-010E	6,040	5,370	4,720	3,510	2,960	2,470	1,660
BS*015L6	KAL-015E	9,290	8,320	7,370	5,560	4,710	3,930	2,580
BS*020L6	EAD-020E	10,510	9,210	7,950	6,000	4,720	3,880	2,610
BS*021L6	EAV-021E	11,670	10,570	9,450	7,130	5,990	4,900	2,950
BS*030L6	LAH-032E	17,480	15,490	13,530	9,800	8,080	6,490	3,750
BS*030E6	LAC-032E	–	–	–	12,510	10,510	8,760	6,090

NOTES:
* = T for Outdoor, N for Indoor, S for Beacon II™

** BTU to KW : KW=BTU X 0.0002928*
** °F to °C : (°F - 32) X 0.55 = °C*
** All compressors mentioned above are Copeland*

UNIT SPECIFICATIONS: HERMETIC COMPRESSOR MODELS

Model	Fig. ++	Compressor	Connections (ID)		Receiver 90% Full Lbs.	Fan(s)	Dimensions			Net. Wt. Lbs.	Sound Data dBA†
			Liquid	Suction			D (In.)	W (In.)	H (In.)		
BH*005X6	A	RST45C1E	3/8	1/2	5.5	1	28-1/4	23-3/4	17-1/2	135	68
BH*008X6	A	RST55C1E	3/8	1/2	5.5	1	28-1/4	23-3/4	17-1/2	135	68
BH*009X6	A	RST64C1E	3/8	1/2	5.5	1	28-1/4	23-3/4	17-1/2	144	68
BH*010X6	A	RST70C1E	3/8	5/8	5.5	1	28-1/4	23-3/4	17-1/4	138	68
BH*015X6	B	CS10K6E	3/8	5/8	9.0	2	28-1/4	37-3/4	17-1/4	193	71
BH*020X6	B	CS12K6E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	203	73
BH*025X6	B	CS14K6E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	208	74
BH*030X6	D	CS18K6E	1/2	7/8	20.0	1	30-1/4	42-1/2	29-3/4	290	73
BH*032X6	D	CS20K6E	1/2	7/8	20.0	1	30-1/4	42-1/2	29-3/4	275	76
BH*040X6	D	CS27K6E	1/2	1-1/8	20.0	1	30-1/4	42-1/2	29-3/4	281	73
BH*050X6	D	CS33K6E	1/2	1-1/8	20.0	1	30-1/4	42-1/2	29-3/4	313	73
BH*011L6	A	CF04K6E	3/8	5/8	5.5	1	28-1/4	23-3/4	17-1/4	139	73
BH*014L6	A	CF06K6E	3/8	5/8	5.5	1	28-1/4	23-3/4	17-1/4	170	73
BH*019L6	B	CF06K6E	3/8	5/8	9.0	2	28-1/4	37-3/4	17-1/4	200	69
BH*025L6	B	CF09K6E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	222	76
BH*031L6	C	CF12K6E	1/2	7/8	14.0	2	28-1/4	37-3/4	19-3/4	223	77
BH*005H6	A	RST45C1E	3/8	1/2	5.5	1	28-1/4	23-3/4	17-1/4	135	68
BH*009H6	A	RST64C1E	3/8	5/8	5.5	1	28-1/4	23-3/4	17-1/4	144	68
BH*010H6	A	RST70C1E	3/8	5/8	5.5	1	28-1/4	23-3/4	17-1/4	138	68
BH*015H6	B	CS10K6E	3/8	5/8	9.0	2	28-1/4	37-3/4	17-1/4	193	71
BH*025H6	B	CS14K6E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	208	74
BH*032H6	D	CS20K6E	1/2	7/8	20.0	1	30-1/4	42-1/2	29-3/4	275	76
BH*040H6	D	CS27K6E	1/2	1-1/8	20.0	1	30-1/4	42-1/2	29-3/4	281	73
BH*050H6	D	CS33K6E	1/2	1-1/8	20.0	1	30-1/4	42-1/2	29-3/4	313	73

NOTES:

* = T for Outdoor, N for Indoor, S for Beacon II™

++ = See Dimensional Drawings for details

† = Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dBA; for 40 feet, deduct 12 dBA; for 80 feet, deduct 18 dBA. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.

UNIT SPECIFICATIONS: SEMI-HERMETIC COMPRESSOR MODELS

Model	Fig. ++	Compressor	Connections (ID)		Receiver 90% Full Lbs.	Fan(s)	Dimensions			Net. Wt. Lbs.	Sound Data dBA†
			Liquid	Suction			D (In.)	W (In.)	H (In.)		
BS*010M6	A	KAR-010E	3/8	5/8	5.5	1	28-1/4	23-3/4	17-1/4	178	67
BS*020M6	B	KAK-020E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	189	69
BS*021M6	B	ERC-021E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	301	70
BS*030M6	D	ERF-031E	1/2	7/8	20.0	1	30-1/4	42-1/2	29-3/4	397	71
BS*005L6	A	KAN-005E	3/8	1/2	5.5	1	28-1/4	23-3/4	17-1/4	172	67
BS*008L6	A	KAM-007E	3/8	5/8	5.5	1	28-1/4	23-3/4	17-1/4	172	67
BS*010L6	A	KAJ-010E	3/8	5/8	5.5	1	28-1/4	23-3/4	17-1/4	178	67
BS*015L6	B	KAL-015E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	225	69
BS*020L6	B	EAD-020E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	291	70
BS*021L6	B	EAV-021E	3/8	7/8	9.0	2	28-1/4	37-3/4	17-1/4	301	70
BS*030L6	C	LAH-032E	1/2	7/8	14.0	2	28-1/4	37-3/4	19-3/4	357	71
BS*030E6	C	LAC-032E	1/2	7/8	14.0	2	28-1/4	37-3/4	19-3/4	391	71

NOTES:

* = T for Outdoor, N for Indoor, S for Beacon II™

++ = See Dimensional Drawings for details

† = Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dBA; for 40 feet, deduct 12 dBA; for 80 feet, deduct 18 dBA. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.

ELECTRICAL DATA: HERMETIC COMPRESSOR MODELS

Model Number	Part Number	Power Supply			Compressor		Fan Motor			MCA		MOPD		Evap. Fan Amps	Defrost Heater Amps
		Volts	Ph	Hz†	RLA	LRA	Qty.	HP	FLA	Air	Elec.	Air	Elec.		
BH*005X6B	RST45C1E-CAV	208-230	1	60	4.6	26.5	1	1/15	0.5	15.0	20.0	15	20	8.0	15
BH*008X6B	RST55C1E-CAV	208-230	1	60	6.1	33.7	1	1/15	0.5	15.0	20.0	15	20	8.0	15
BH*009X6B	RST64C1E-CAV	208-230	1	60	8.0	43.0	1	1/15	0.5	15.0	20.0	15	20	6.0	15
BH*010X6B	RST70C1E-PFV	208-230	1	60	6.3	34.2	1	1/15	0.5	15.0	20.0	15	20	7.0	15
BH*010X6C	RST70C1E-TFC	208-230	3	60	4.2	31.0	1	1/15	0.5	15.0	20.0	15	20	8.6	15
BH*015X6B	CS10K6E-PFV	208-230	1	60	9.8	56.0	2	1/15	1.0	15.0	24.0	20	25	6.0	19
BH*015X6C	CS10K6E-TF5	208-230	3	60	6.7	51.0	2	1/15	1.0	15.0	20.0	15	20	7.0	15
BH*020X6B	CS12K6E-PFV	208-230	1	60	9.8	56.0	2	1/15	1.0	15.0	24.0	20	25	6.0	19
BH*020X6C	CS12K6E-TF5	208-230	3	60	6.7	51.0	2	1/15	1.0	15.0	24.0	15	25	9.0	19
BH*025X6B	CS14K6E-PFV	208-230	1	60	11.2	61.0	2	1/15	1.0	15.0	29.0	25	30	6.0	23
BH*025X6C	CS14K6E-TF5	208-230	3	60	8.2	55.0	2	1/15	1.0	15.0	24.0	15	25	9.0	19
BH*025X6D	CS14K6E-TFD	460	3	60	4.2	28.0	2	1/15	1.0	15.0	15.0	15	15	^	^
BH*030X6B	CS18K6E-PFV	208-230	1	60	14.4	82.0	1	1/3	3.5	21.0	38.0	35	45	12.0	30
BH*030X6C	CS18K6E-TF5	208-230	3	60	9.4	65.5	1	1/3	3.5	15.0	29.0	20	30	7.0	23
BH*030X6D	CS18K6E-TFD	460	3	60	3.9	33.0	1	1/3	1.9	15.0	15.0	15	15	^	^
BH*032X6B	CS20K6E-PFV	208-230	1	60	16.7	96.0	1	1/3	3.5	24.0	38.0	40	50	12.0	30
BH*032X6C	CS20K6E-TF5	208-230	3	60	10.3	75.0	1	1/3	3.5	20.0	29.0	25	30	7.0	23
BH*032X6D	CS20K6E-TFD	460	3	60	4.6	40.0	1	1/3	1.9	15.0	15.0	15	15	^	^
BH*040X6B	CS27K6E-PFV	208-230	1	60	21.5	121.0	1	1/3	3.5	30.3	44.0	50	60	12.0	35
BH*040X6C	CS27K6E-TF5	208-230	3	60	13.7	105.0	1	1/3	3.5	20.7	38.0	30	45	12.0	30
BH*040X6D	CS27K6E-TFD	460	3	60	7.6	52.0	1	1/3	1.9	15.0	29.0	15	30	11.0	23
BH*050X6B	CS33K6E-PFV	208-230	1	60	27.6	125.0	1	1/3	3.5	38.0	59.0	50	60	12.0	47
BH*050X6C	CS33K6E-TF5	208-230	3	60	16.8	102.0	1	1/3	3.5	24.5	38.0	40	50	12.0	30
BH*050X6D	CS33K6E-TFD	460	3	60	8.8	48.0	1	1/3	1.9	15.0	29.0	20	30	10.0	23
BH*011L6B	CF04K6E-PFV	208-230	1	60	8.6	59.2	1	1/15	0.5	15.0	20.0	15	25	7.0	15
BH*011L6C	CF04K6E-TF5	200-230	3	60	3.9	52.0	1	1/15	0.5	15.0	20.0	15	20	8.0	15
BH*014L6B	CF06K6E-PFV	208-230	1	60	10.3	59.2	1	1/15	0.5	15.0	20.0	20	25	4.0	15
BH*014L6C	CF06K6E-TF5	200-230	3	60	6.3	52.0	1	1/15	0.5	15.0	24.0	15	25	9.0	19
BH*019L6B	CF06K6E-PFV	208-230	1	60	10.3	59.2	2	1/15	1.0	15.0	24.0	20	30	6.0	19
BH*019L6C	CF06K6E-TF5	208-230	3	60	6.3	52.0	2	1/15	1.0	15.0	24.0	15	25	9.0	19
BH*025L6B	CF09K6E-PFV	208-230	1	60	15.0	87.0	2	1/15	1.0	20.0	29.0	30	40	6.0	23
BH*025L6C	CF09K6E-TF5	200-230	3	60	9.2	72.2	2	1/15	1.0	15.0	21.0	20	25	7.0	15
BH*031L6B	CF12K6E-PFV	208-230	1	60	17.0	105.0	2	1/15	1.0	22.3	37.5	35	50	12.0	30
BH*031L6C	CF12K6E-TF5	200-230	3	60	10.7	85.0	2	1/15	1.0	15.0	28.8	25	30	7.0	23
BH*031L6D	CF12K6E-TFD	460	3	60	5.3	42.0	2	1/15	1.0	15.0	15.0	15	15	^	^
BH*005H6B	RST45C1E-CAV	208-230	1	60	4.5	26.5	1	1/15	0.5	15.0	–	15	–	–	–
BH*009H6B	RST64C1E-CAV	208-230	1	60	7.6	43.0	1	1/15	0.5	15.0	–	15	–	–	–
BH*010H6B	RST70C1E-PFV	208-230	1	60	6.9	34.2	1	1/15	0.5	15.0	–	15	–	–	–
BH*010H6C	RST70C1E-TFC	208-230	3	60	4.7	31.0	1	1/15	0.5	15.0	–	15	–	–	–
BH*015H6B	CS10K6E-PFV	208-230	1	60	11.1	56.0	2	1/15	1.0	15.0	–	25	–	–	–
BH*015H6C	CS10K6E-TF5	208-230	3	60	7.2	51.0	2	1/15	1.0	15.0	–	15	–	–	–
BH*025H6B	CS14K6E-PFV	208-230	1	60	12.4	61.0	2	1/15	1.0	20.0	–	25	–	–	–
BH*025H6C	CS14K6E-TF5	208-230	3	60	8.5	55.0	2	1/15	1.0	15.0	–	20	–	–	–
BH*032H6B	CS20K6E-PFV	208-230	1	60	17.9	96.0	1	1/3	3.5	25.9	–	40	–	–	–
BH*032H6C	CS20K6E-TF5	208-230	3	60	13.3	75.0	1	1/3	3.5	20.2	–	30	–	–	–
BH*040H6G	CS27K6E-PFV	230	1	60	23.7	121.0	1	1/3	3.5	33.1	–	50	–	–	–
BH*040H6K	CS27K6E-TF5	230	3	60	14.1	105.0	1	1/3	3.5	21.1	–	35	–	–	–
BH*050H6G	CS33K6E-PFV	230	1	60	30.1	125.0	1	1/3	3.5	41.2	–	60	–	–	–
BH*050H6K	CS33K6E-TF5	230	3	60	16.5	102.0	1	1/3	3.5	24.2	–	40	–	–	–

NOTES:

* = T for Outdoor, N for Indoor, S for Beacon II™

^ Power supplied by customer.

† Consult factory for 50 HZ applications.

Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.

ELECTRICAL DATA: SEMI-HERMETIC COMPRESSOR MODELS

Model Number	Part Number	Power Supply			Compressor		Fan Motor			MCA		MOPD		Evap. Fan Amps	Defrost Heater Amps
		Volts	Ph	Hz†	RLA	LRA	Qty.	HP	FLA	Air	Elec.	Air	Elec.		
BS*010M6B	KARB-010E-CAV	208-230	1	60	6.4	40.0	1	1/15	0.5	15	20	15	20	7.0	15
BS*010M6C	KARA-010E-TAC	208-230	3	60	3.8	27.0	1	1/15	0.5	15	20	15	20	9.0	15
BS*020M6B	KAKB-021E-CAV	208-230	1	60	9.1	55.0	2	1/15	1.0	15	24	20	25	6.0	19
BS*020M6C	KAKA-020E-TAC	208-230	3	60	5.8	50.0	2	1/15	1.0	15	24	15	25	9.0	19
BS*021M6C	ERCA-021E-TAC	208-230	3	60	7.9	46.0	2	1/15	1.0	15	24	15	25	9.0	19
BS*021M6D	ERCA-020E-TAD	460	3	60	3.1	23.0	2	1/15	1.0	15	15	15	15	^	^
BS*030M6C	ERFA-031E-TAC	208-230	3	60	11.2	82.0	1	1/3	3.5	20	38	25	40	12.0	30
BS*030M6D	ERFA-031E-TAD	460	3	60	5.2	41.0	1	1/3	1.9	15	15	15	15	^	^
BS*005L6B	KANB-005E-CAV	208-230	1	60	3.1	24.0	1	1/15	0.5	15	20	15	20	9.0	15
BS*005L6C	KANA-006E-TAC	208-230	3	60	2.0	13.2	1	1/15	0.5	15	20	15	20	9.6	15
BS*008L6B	KAMB-007E-CAV	208-230	1	60	5.1	36.0	1	1/15	0.5	15	20	15	20	8.0	15
BS*008L6C	KAMA-007E-TAC	208-230	3	60	2.9	19.9	1	1/15	0.5	15	20	15	20	9.0	15
BS*010L6B	KAJB-010E-CAV	208-230	1	60	6.2	40.0	1	1/15	0.5	15	20	15	20	8.0	15
BS*010L6C	KAJA-011E-TAC	208-230	3	60	4.1	27.0	1	1/15	0.5	15	20	15	20	9.0	15
BS*015L6B	KALB-015E-CAV	208-230	1	60	8.9	55.0	2	1/15	1.0	15	24	20	25	8.0	19
BS*015L6C	KALA-016E-TAC	208-230	3	60	6.0	50.0	2	1/15	1.0	15	20	15	20	7.6	15
BS*015L6D	KALA-016E-TAD	460	3	60	3.1	25.0	2	1/15	1.0	15	20	15	20	9.0	15
BS*020L6C	EADA-020E-TAC	208-230	3	60	6.1	46.0	2	1/15	1.0	15	20	15	20	7.0	15
BS*021L6B	EAVB-021E-CAV	208-230	1	60	13.2	102.0	2	1/15	1.0	20	29	30	30	4.0	23
BS*021L6C	EAVA-021E-TAC	208-230	3	60	6.6	50.0	2	1/15	1.0	15	20	15	20	7.0	15
BS*021L6D	EAVA-021E-TAD	460	3	60	2.9	26.6	2	1/15	1.0	15	20	15	20	9.0	15
BS*030L6C	LAHA-032E-TAC	208-230	3	60	11.5	112.0	2	1/15	1.0	20	29	25	35	12.0	23
BS*030L6D	LAHA-032E-TAD	460	3	60	5.4	56.0	2	1/15	1.0	15	15	15	15	^	^
BS*030E6C	LACA-032E-TAC	208-230	3	60	11.5	112.0	2	1/15	1.0	20	29	25	35	12.0	23
BS*030E6D	LACA-032E-TAD	460	3	60	5.4	56.0	2	1/15	1.0	15	15	15	15	^	^

NOTES:

* = T for Outdoor, N for Indoor, S for Beacon II™

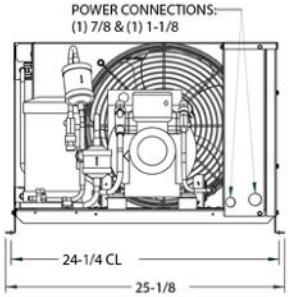
^ Power supplied by customer.

† Consult factory for 50 HZ applications.

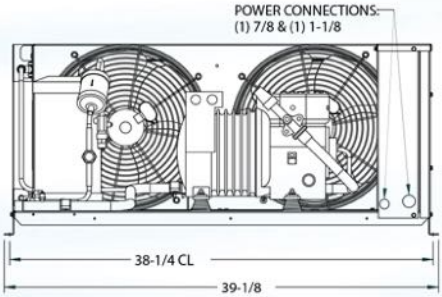
Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.

FRONT VIEW

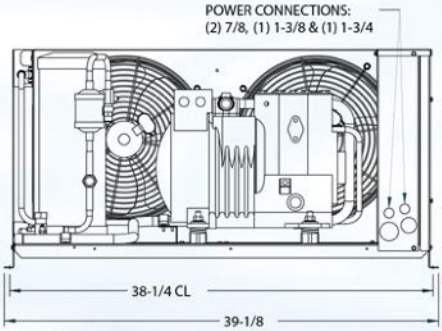
A



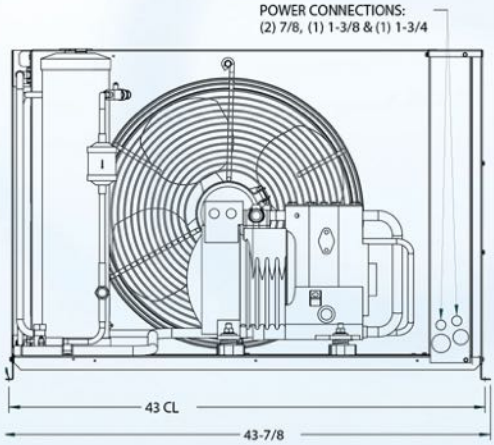
B



C



D



HEATCRAFT™
Worldwide Refrigeration

BOHN

Since product improvement is a continuing effort, we reserve the right to make changes in specifications without notice.

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