RP Split Model Series
Residential Water Source Heat Pumps

Engineering Submittal Sheet

BOSCH

Overview and Certifications

- 2 to 5 ton capacities
- Two stage high efficiency cabinet
- New and improved scroll compressors
- Factory provided filter dryer
- Low GWP ready (R-454B refrigerant)

Standard Features, Factory Installed Options, and Field Install Accessories

Standard Features

- Two Stage Scroll Compressors
  - Floating compressor base pan for quiet operation
- Unit Configuration
  - Copper or cupro-nickel coaxial coil
- Pump/Valve Relay
  - Helps to ensure the external flow center operates when unit is operating
- 1/2" Closed Cell Foam Insulation
  - Fiber free insulation for improved indoor air quality
- TXV (Thermal Expansion Valve)
  - Improves refrigerant management and efficiencies
- Reliability - Durability – Serviceability
  - Completely serviceable from front of unit as well as isolated controls allow the unit to be serviced during operation
- Electronic Circuit Board UPM
  - The electronic circuit board provides protection with:
    - Random Start of Unit
    - Anti-Short Cycling (5 minute delay)
    - Alarm communicating output
    - Low pressure switch bypass at cold water start up
  - It also monitors and communicates standard safety features/ alerts/ operation/ protection:
    - Low Pressure Switch
    - High Pressure Switch
    - Water Coil Freeze Switch
  - This circuit board can communicate with a Bosch thermostat that alerts the customer of adverse conditions
- Factory Provided 75 VA Transformer
- Factory Provided Filter Dryer
- Warranty
  - 10 year all parts limited warranty
  - 10 year compressor limited warranty
  - For full warranty details: https://www.bosch-homecomfort.com/us/en/residential/service/product-warranty-library/heat-pump-geothermal-warranty-documents/
- Water Connections
  - All water connections are heavy duty bronze FPT fittings securely fastened to the unit front right corner post

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Standard Features, Factory Installed Options, and Field Install Accessories

Factory Installed Options

- Cupro-nickel Coil
  - Recommended in conditions anticipating moderate scale formation or in brackish water
- Domestic Hot Water Heat Recovery Package (Desuperheater)
  - Utilizes the compressor's superheated discharge gas to preheat domestic hot water.
  - The HRP reduces the amount of electricity or fossil fuels otherwise used for hot water.

Field Install Accessories

- Thermostats
  - Bosch thermostats are fully customized to meet your individual needs. Bosch offers communicating thermostats that can display alert messages without having to go to the unit.
- Swivel Water Connections
  - 3/4" or 1" FPT Swivel Water Connection
- SmartStart Assist Kit
  - An option which provides a means of reducing inrush current at compressor startup. Light flickering is eliminated, and a smooth start is achieved (only available on scroll compressor models).
- Stainless Steel Hose Kits
  - Available in various lengths and diameters depending on the need for your application.
- Flow Center Kits

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Field Installed Accessory - Flow Proving Switch (Differential Pressure) Kit										
Part Number	024		036		048		060		070	
	VT	HZ	VT	HZ	VT	HZ	VT	HZ	VT	HZ
8733920264	●	●	●	●	●	●	●	●	●	●

Field Installed Accessory - Swivel Connector Kit (Two Connectors per Package)											
Order Number	Type & Size	024		036		048		060		070	
		VT	HZ	VT	HZ	VT	HZ	VT	HZ	VT	HZ
8733927179	Male 3/4" NPT	●	●	●	●						
8733927180	Male 1" NPT					●	●	●	●	●	●

Field Installed Accessory - SmartStart Assist Kit										
Part Number	024		036		048		060		070	
	VT	HZ	VT	HZ	VT	HZ	VT	HZ	VT	HZ
8733957159	●	●	●	●						
8733957160					●	●	●	●	●	●

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Field Installed Accessory - Stainless Steel Hose Kits						
Options	Option 1	Option 2	Option 3**	Option 4**,***	Option 5**, ***	Option 6**, ***
Hose Size (Length, Diameter)	Hoses Only with Swivel	Hose Kit Hoses with Ported Ball Valves, Swivel and One P/T*	Hose Kit with Automatic Flow Valve (AFV)*	Hose kit with AFV, Y-Strainer & Blow Down Valve*	Hose Kit with AFV and Electric Valve*	Hose Kit with AFV, Y-Strainer, BDV and Electric Valve*
	Part #	Part #	Part #	Part #	Part #	Part #
12 Inch						
1/2" L	T111H02121	T111H02122	T111H02123	T111H02124	T111H02125	T111H02126
24 Inch						
3/4" S	T111H03241	T111H03242	T111H03243	T111H03244	T111H03245	T111H03246
1" L	T111H04241	T111H04242	T111H04243	T111H04244	T111H04245	T111H04246
1" S	T111H04241	T111H04242	T111H04247	T111H04248	T111H04249	T111H04240
1 - 1/4" S	T111H05241	T111H05242	T111H05243	T111H05244	T111H05245	T111H05246
1 - 1/2" L	T111H06241	T111H06242	T111H06243	T111H06244	T111H06245	T111H06246
1 - 1/2" S	T111H06241	T111H06242	T111H06247	T111H06248	T111H06249	T111H06240
2" S	T111H08241	T111H08242	T111H08243	T111H08244	T111H08245	T111H08246
36 Inch						
3/4" S	T111H03361	T111H03362	T111H03363	T111H03364	T111H03365	T111H03366
1" L	T111H04361	T111H04362	T111H04363	T111H04364	T111H04365	T111H04366
1" S	T111H04361	T111H04362	T111H04367	T111H04368	T111H04369	T111H04360
1 - 1/4" S	T111H05361	T111H05362	T111H05363	T111H05364	T111H05365	T111H05366
1 - 1/2" L	T111H06361	T111H06362	T111H06363	T111H06364	T111H06365	T111H06366
1 - 1/2" S	T111H06361	T111H06362	T111H06367	T111H06368	T111H06369	T111H06360
2" S	T111H08361	T111H08362	T111H08363	T111H08364	T111H08365	T111H08366

* All Hose Kits include S/R ported ball valves with swivel and P/T port.
** 'L' and 'S' only apply to kit options 3 through 6
*** GMP's are required for hose kits in options 3-6

Hose Kit Flow Rates by Size

Please see Technical Service Bulletin: Heat Pump Hose Kits – Water Flow Rates.
This document is located at www.bosch-climate.us under Support Center > Downloads > Downloads for Bosch Products > Service Bulletins.

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Model Nomenclature

RP 024 - 1 CS C - A X X X X A - X H G E L X X X X X X X X X X X X X X X S B A

1-2 3-5 6 7 8-9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

MODEL:
RP

NOMINAL CAPACITY:
024, 036, 048, 060

ELECTRICAL CONFIGURATION:
1 - 208-230/60/1

CABINET CONFIGURATION:
CS - Condensing Section

COAX OPTIONS:
C - Copper
N - Cupro-Nickel

WATER CONNECTIONS:
A - Front Right Water

RETURN AIR CONFIGURATION:
X - None

DISCHARGE AIR LOCATION:
X - None

FAN/MOTOR OPTION:
X - None

AIR COIL:
X - None

REVISION LEVEL:
A - Current

ELECTRIC HEAT:
X - None

CABINET CONSTRUCTION:
H - Painted Steel / 1/2" Closed Cell Foam

APPLICATION:
G - Extended Range (Geothermal)

CODE STRING LEVEL:
A - Revision

CHANNEL:
B - Bosch

STANDARD/SPECIAL:
S - Standard

AGENCY OPTIONS:
X - R-454B Refrigerant

NOT USED
X - None

DRIVE SPEED (MC ONLY):
X - N/A

MOTOR HP/QTY (BELT DRIVE ONLY):
X - N/A

AIR FILTRATION:
X - None

DESTINATION SPECIFIC REQUIREMENT:
X - None
A - French & English Documentation

ECONOMIZER:
X - None

WATER FLOW CONTROL OPTIONS:
X - None

CONTROLS:
X - Standard

TRANSFORMER:
X - None

REFRIGERATION:
X - None
D - Heat Recovery Package

ELECTRICAL OPTIONS:
X - As Default for Non Used Electrical Codes
E - Pump/Valve Relay
L - Refrigerant Leak Detection Sensor

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ASHRAE/AHRI/ISO 13256-1 (RP CS + BIVB20)

Model Number (Condensing Section)	Coax Coils	Load	Model Number (Air Handler)	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump				GPM
				Cooling 86 deg.F		Heating 68 deg.F		Cooling 59 deg.F		Heating 50 deg.F		FL Cooling 77 deg.F PL Cooling 68 deg.F		FL Heating 32 deg.F PL Heating 41 deg.F		
				Capacity Btu/h	EER Btuh/W-h	Capacity Btu/h	COP	Capacity Btu/h	EER Btuh/W-h	Capacity Btu/h	COP	Capacity Btu/h	EER Btuh/W-h	Capacity Btu/h	COP	
RP024-1CS	C	Full	BIVB-24RCB-M20X	25,200	15.75	28,000	5.50	27,400	24.31	23,200	4.80	26,000	18.26	18,400	4.00	6.00
		Part		18,000	16.80	20,600	5.70	20,200	30.03	17,200	4.80	19,400	25.08	15,000	4.20	6.00
	N	Full		25,200	16.12	28,000	5.65	27,200	25.17	23,200	4.93	26,000	18.82	18,200	4.06	6.00
		Part		18,000	17.41	20,600	6.07	20,200	32.25	17,000	5.01	19,400	26.19	15,000	4.44	6.00
RP036-1CS	C	Full	BIVB-36RCB-M20X	36,600	15.40	44,400	5.20	40,200	23.43	36,400	4.73	38,200	17.64	29,200	3.95	9.00
		Part		25,200	16.72	32,000	5.60	28,600	28.25	26,200	4.70	27,600	23.73	23,200	4.25	9.00
	N	Full		38,000	16.19	44,600	5.49	41,400	24.09	37,000	4.84	39,200	18.58	29,800	4.14	9.00
		Part		26,800	16.94	33,200	5.95	29,800	28.66	27,200	4.97	29,000	24.07	24,200	4.48	9.00
RP048-1CS	C	Full	BIVB-48RCB-M20X	49,000	15.70	56,200	5.57	53,000	23.10	47,000	4.80	50,600	18.10	38,000	4.20	9.00
		Part		34,400	17.50	40,800	6.27	38,400	29.46	34,000	5.04	37,200	25.04	30,800	4.62	9.00
	N	Full		48,800	16.33	56,000	5.67	53,000	23.90	45,200	4.91	50,200	18.67	35,400	4.07	9.00
		Part		34,400	17.54	40,800	6.43	37,000	29.46	32,400	5.19	36,400	25.04	28,400	4.52	9.00
RP060-1CS	C	Full	BIVB-60RCB-M20X	59,000	15.40	75,200	5.25	64,200	21.80	62,200	4.60	60,800	17.70	50,000	4.00	12.00
		Part		43,200	16.80	54,600	5.75	46,400	26.83	44,200	4.80	45,200	23.08	39,400	4.40	12.00
	N	Full		59,000	15.49	76,600	5.47	64,000	22.22	62,400	4.83	60,600	17.53	51,200	4.21	12.00
		Part		43,200	16.79	56,400	5.99	46,200	26.49	45,400	5.01	45,200	22.79	40,800	4.58	12.00

ASHRAE/AHRI/ISO 13256-1 (RP CS + BMAC)

Model Number (Condensing Section)	Coax Coils	Load	Model Number (Cased Coil)	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump				GPM
				Cooling 86 deg.F		Heating 68 deg.F		Cooling 59 deg.F		Heating 50 deg.F		FL Cooling 77 deg.F PL Cooling 68 deg.F		FL Heating 32 deg.F PL Heating 41 deg.F		
				Capacity Btu/h	EER Btuh/W-h	Capacity Btu/h	COP	Capacity Btu/h	EER Btuh/W-h	Capacity Btu/h	COP	Capacity Btu/h	EER Btuh/W-h	Capacity Btu/h	COP	
RP024-1CS	C	Full	BMAC2430BBTA	24,400	15.70	28,800	5.67	27,400	23.20	23,800	5.04	25,400	18.10	18,800	4.15	6.00
		Part		18,000	16.30	21,400	6.09	20,000	28.00	17,600	5.04	19,600	23.30	15,600	4.46	6.00
	N	Full		25,000	15.67	28,800	5.85	27,600	24.29	23,800	5.14	26,000	18.26	18,800	4.30	6.00
		Part		18,200	17.03	21,400	6.38	20,000	29.30	17,600	5.30	19,400	24.50	15,400	4.71	6.00
RP036-1CS	C	Full	BMAC3036BBTA	35,200	14.60	45,200	5.50	39,600	21.53	37,800	4.83	37,000	16.40	29,800	4.05	9.00
		Part		26,200	16.50	32,400	5.67	29,800	27.32	27,000	4.80	28,600	23.26	23,400	4.35	9.00
	N	Full		37,000	14.98	47,400	5.70	40,200	22.15	38,800	5.01	38,200	17.19	30,800	4.23	9.00
		Part		27,000	16.43	34,600	6.01	29,800	27.03	28,000	5.06	29,000	23.04	24,800	4.54	9.00
RP048-1CS	C	Full	BMAC4248CBTA	48,400	15.10	54,000	5.00	52,000	21.60	45,400	4.50	50,200	17.50	37,200	3.90	12.00
		Part		36,200	17.10	40,200	5.50	40,200	28.20	33,400	4.94	39,000	24.30	30,400	4.30	12.00
	N	Full		49,800	15.56	54,800	5.26	53,400	22.55	46,600	4.73	51,600	17.77	38,200	4.09	12.00
		Part		36,400	17.51	40,800	6.02	40,000	28.19	34,400	5.05	38,800	24.20	31,200	4.56	12.00
RP060-1CS	C	Full	BMAC4860CBTA	58,400	14.80	67,600	4.80	63,400	20.50	58,600	4.40	60,200	16.90	47,600	3.80	15.00
		Part		42,600	16.20	50,600	5.20	47,000	26.59	42,800	4.60	45,800	22.30	38,400	4.20	15.00
	N	Full		58,200	14.86	69,800	4.98	63,200	21.13	59,400	4.49	60,000	16.82	49,800	3.96	15.00
		Part		42,600	16.44	51,200	5.52	46,800	26.25	43,200	4.72	45,800	22.61	39,000	4.30	15.00

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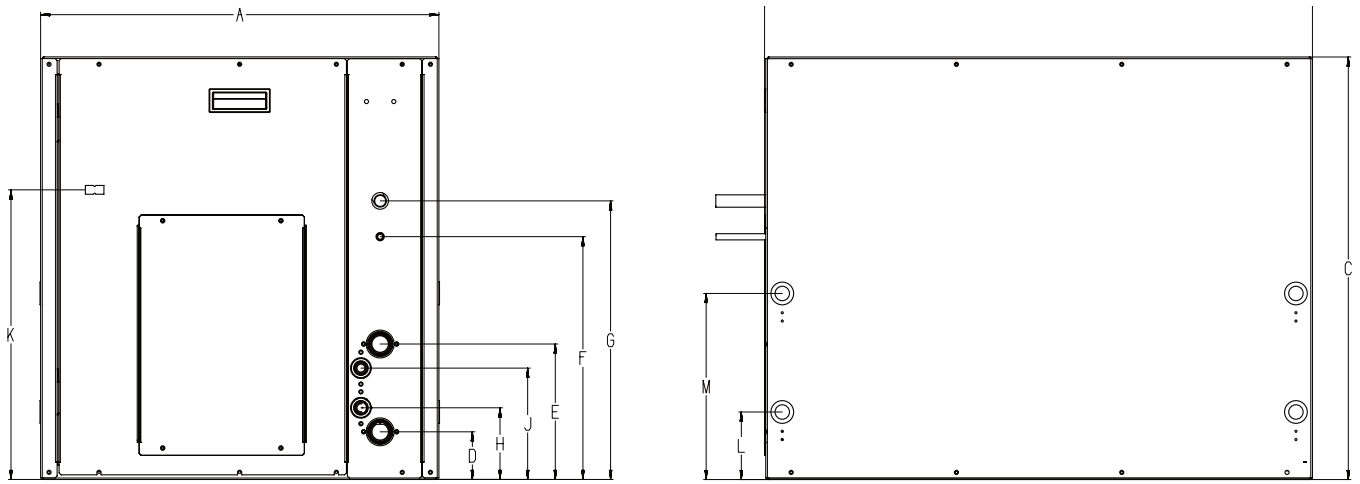
Condenser Unit Dimensions and Connections



Condenser Unit Dimensions

Model Number	A	B	C	D	E	F	G	H	J	K	L	M	Water Connections	HRP Connections
	Width	Depth	Height	Water In	Water Out	Liquid Connection	Suction Connection	HRP In	HRP Out	HRP Switch Knockout	Electrical Knockout			
024	24.00	26.00	22.00	3.13	8.50	3/8" @ 11.25	3/4" @ 13.375	4.625	7.00	14.00	4.00	11.25	3/4" FPT	1/2" FPT
036	24.00	26.00	22.00	3.13	8.50	3/8" @ 11.25	3/4" @ 13.375	4.625	7.00	14.00	4.00	11.25	1" FPT	1/2" FPT
048	24.00	33.00	25.50	2.88	8.25	3/8" @ 14.75	3/4 @ 16.875	4.375	6.75	17.50	4.00	11.25	1" FPT	1/2" FPT
060	24.00	33.00	25.50	2.88	8.25	3/8" @ 14.75	3/4 @ 16.875	4.375	6.75	17.50	4.00	11.25	1" FPT	1/2" FPT

NOTES: All dimensions within +/– 0.125". Specifications subject to change without notice. Overall unit dimensions do not include refrigerant piping connections.

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Operating Limits				
Fluid Type	Limit		Cooling	Heating
Fluid	Antifreeze Protection Required LWT / EWT		-	< 40/< 50°F
	Minimum Water Coil Entering Fluid		45°F	20°F
	Maximum Water Coil Entering Fluid		110°F	80°F
	Rated Water Coil Entering Fluid	Water Loop Application	86°F	68°F
		Ground Loop Application	77°F	32°F
		Ground Water Application	59°F	50°F
	Maximum Operating Water Pressure	Standard Unit	400psi/3,1023kPA	
		With Factory Installed Water Valve Option	300psi/2,068kPA	
	Minimum Operating Water Flow Rate		1.5 GPM Per Ton	

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Antifreeze Correction

Antifreeze Type	Antifreeze Volume %	Cooling EWT 90 Deg.F			Heating EWT 30 Deg. F		WPD Correction Factor EWT 30 °F
		Total Cap.	Sens. Cap	Power	Htg. Cap	Power	
Water	0	1.000	1.000	1.000	1.000	1.000	1.000
Propylene Glycol	5	0.998	0.998	1.004	0.995	0.999	1.085
	10	0.996	0.995	1.008	0.989	0.997	1.165
	15	0.994	0.992	1.012	0.980	0.995	1.257
	25	0.989	0.983	1.023	0.962	0.990	1.491
	35	0.981	0.972	1.040	0.938	0.984	1.812
	40	0.976	0.965	1.050	0.923	0.981	2.012
	45	0.970	0.956	1.062	0.907	0.977	2.240
	50	0.964	0.948	1.076	0.890	0.972	2.502
Methanol	5	0.997	0.997	1.003	0.990	0.997	1.060
	10	0.996	0.996	1.005	0.979	0.993	1.100
	15	0.994	0.994	1.008	0.970	0.990	1.140
Ethanol	5	0.998	0.998	1.002	0.981	0.994	1.160
	10	0.996	0.996	1.004	0.960	0.988	1.230
	15	0.992	0.992	1.006	0.944	0.983	1.280
	25	0.986	0.986	1.009	0.917	0.974	1.400
Ethylene Glycol	5	0.999	0.999	1.002	0.997	0.999	1.035
	10	0.998	0.996	1.005	0.993	0.998	1.086
	15	0.996	0.994	1.009	0.986	0.996	1.145
	25	0.992	0.988	1.018	0.974	0.993	1.278
	30	0.989	0.984	1.023	0.967	0.992	1.354
	35	0.986	0.979	1.029	0.960	0.990	1.436
	40	0.983	0.974	1.036	0.953	0.988	1.528
	45	0.979	0.969	1.044	0.944	0.986	1.629
	50	0.975	0.962	1.053	0.934	0.983	1.743

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Waterside Pressure Drop - BIVB20 Air Handler				
Model Number (Condensing Section)	Model Number (Air Handler)	Water Flow Rate (GPM)	Water Side Pressure Drop without Internal Valve (PSI)	Water Side Pressure Drop with Internal Valve (PSI)
024	BIVB-24RCB-M20X	3.0	1.1	1.2
		4.5	2.1	2.3
		6.0	3.5	3.7
		8.0	5.8	6.1
036	BIVB-36RCB-M20X	4.5	0.8	1.0
		6.8	1.7	1.9
		9.0	2.7	3.1
		12.0	4.5	5.0
048	BIVB-48RCB-M20X	6.0	1.4	1.6
		9.0	2.7	3.0
		12.0	4.5	4.9
		16.0	7.5	8.0
060	BIVB-60RCB-M20X	7.5	1.6	1.7
		11.3	3.3	3.5
		15.0	5.4	5.7
		20.0	9.0	9.3

NOTE: All values based on pure water at 70° F.

Waterside Pressure Drop - BMAC Cased Coil				
Model Number (Condensing Section)	Model Number (Cased Coil)	Water Flow Rate (GPM)	Water Side Pressure Drop without Internal Valve (PSI)	Water Side Pressure Drop with Internal Valve (PSI)
024	BMAC2430BBTA	3.0	1.1	1.2
		4.5	2.2	2.3
		6.0	3.6	3.7
		8.0	5.8	6.1
036	BMAC3036BBTA	4.5	0.8	1.0
		6.8	1.7	1.9
		9.0	2.8	3.1
		12.0	4.6	5.0
048	BMAC4248CBTA	6.0	1.2	1.4
		9.0	2.5	2.7
		12.0	4.1	4.4
		16.0	6.7	7.2
060	BMAC4860CBTA	7.5	1.5	1.6
		11.3	3.1	3.3
		15.0	5.1	5.4
		20.0	8.5	8.9

NOTE: All values based on pure water at 70° F.

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Electrical Data - Condenser									
Model Number	Voltage Code	Voltage/ Hz/ Phase	Voltage Min/Max	Compressor			Min. Circuit Amps	MOP CALC	MOP
				Qty	RLA	LRA			
024	1	208-230/1/60	197/253	1	10.3	62.0	12.8	23.1	20
036	1	208-230/1/60	197/253	1	14.6	90.0	18.2	32.7	30
048	1	208-230/1/60	197/253	1	18.3	138.0	22.9	41.3	40
060	1	208-230/1/60	197/253	1	25.2	147.3	31.5	56.7	50

Physical Data					
Description	Unit	Value			
		024	**036**	**048**	**060**
Compressor Type	qty 1	Scroll	Scroll	Scroll	Scroll
Max Water Working Pressure	psig	400	400	400	400
Water Connection Size					
FPT	in	0.75	1.00	1.00	1.00
Coaxial Coil Volume	gal	0.28	0.46	0.46	1.09
Unit Cabinet					
Refrigeration Charge	oz	53	63	70	98
Weight - Operating	lbs	140	166	209	254
Weight - Shipping	lbs	165	191	234	279

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Capacity Data RP024-1CS + BIVB-24RCB-M20X (800 CFM) - Full Load

Cooling									Heating							
Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	3	1.3	75/63	26.7	20.3	30.0	1.2	22.6	30	3	1.7	60	14.8	11.3	1.2	3.6
			80/67	28.5	20.7	31.8	1.2	23.8				70	14.7	10.7	1.3	3.3
			85/71	30.2	21.4	33.6	1.2	24.9				80	14.5	10.2	1.5	2.9
	4.5	2.6	75/63	27.7	20.7	30.6	1.1	26.0		4.5	3.3	60	16.6	12.9	1.2	4.0
			80/67	29.5	21.2	32.5	1.1	27.6				70	16.3	12.3	1.3	3.6
			85/71	31.4	21.7	34.4	1.1	29.2				80	16.1	11.6	1.5	3.2
	6	3.9	75/63	28.1	20.9	31.0	1.0	28.0		6	5.3	60	17.5	13.8	1.2	4.2
			80/67	30.0	21.4	32.9	1.0	29.9				70	17.1	13.0	1.4	3.7
			85/71	31.9	22.1	34.8	1.0	31.9				80	16.9	12.4	1.5	3.3
60	3	1.2	75/63	25.7	19.8	29.3	1.3	19.4	40	3	1.6	60	16.9	13.3	1.2	4.1
			80/67	27.3	20.4	31.0	1.3	20.4				70	16.7	12.7	1.3	3.6
			85/71	29.0	21.0	32.8	1.4	21.3				80	16.6	12.1	1.5	3.3
	4.5	2.5	75/63	26.6	20.2	29.9	1.2	22.0		4.5	3.1	60	19.1	15.3	1.2	4.5
			80/67	28.3	20.7	31.7	1.2	23.3				70	18.7	14.6	1.4	4.0
			85/71	30.1	21.2	33.6	1.2	24.7				80	18.5	13.9	1.5	3.6
	6	4.0	75/63	27.1	20.4	30.2	1.1	23.6		6	4.9	60	20.2	16.3	1.3	4.7
			80/67	28.8	21.0	32.1	1.1	25.1				70	19.7	15.5	1.4	4.2
			85/71	30.7	21.6	34.0	1.2	26.7				80	19.4	14.7	1.5	3.7
70	3	1.2	75/63	24.6	19.3	28.7	1.5	16.7	50	3	1.5	60	19.2	15.4	1.2	4.5
			80/67	26.2	19.8	30.3	1.5	17.5				70	18.9	14.8	1.4	4.0
			85/71	27.8	20.4	32.1	1.5	18.3				80	18.7	14.1	1.5	3.6
	4.5	2.3	75/63	25.5	19.7	29.2	1.4	18.8		4.5	2.9	60	21.7	17.8	1.3	5.0
			80/67	27.2	20.2	30.9	1.4	19.9				70	21.3	17.0	1.4	4.5
			85/71	28.9	20.8	32.8	1.4	21.0				80	21.0	16.3	1.5	4.0
	6	3.8	75/63	25.9	20.0	29.5	1.3	20.0		6	4.6	60	23.0	19.1	1.3	5.2
			80/67	27.6	20.5	31.3	1.3	21.3				70	22.5	18.2	1.4	4.7
			85/71	29.4	21.1	33.1	1.3	22.5				80	22.1	17.3	1.6	4.2
80	3	1.1	75/63	23.5	18.9	28.0	1.6	14.4	60	3	1.4	60	21.5	17.7	1.3	5.0
			80/67	25.0	19.5	29.6	1.7	15.1				70	21.3	17.0	1.4	4.4
			85/71	26.6	19.9	31.3	1.7	15.7				80	21.1	16.3	1.5	4.0
	4.5	2.2	75/63	24.3	19.3	28.5	1.5	16.1		4.5	2.7	60	24.5	20.5	1.3	5.5
			80/67	25.9	19.9	30.2	1.5	17.0				70	24.0	19.6	1.4	4.9
			85/71	27.6	20.5	31.9	1.5	17.9				80	23.7	18.8	1.6	4.4
	6	3.6	75/63	24.7	19.5	28.7	1.4	17.1		6	4.3	60	26.0	22.0	1.3	5.8
			80/67	26.5	20.0	30.5	1.5	18.1				70	25.5	21.0	1.5	5.1
			85/71	28.1	20.7	32.3	1.5	19.2				80	25.0	20.0	1.6	4.6
90	3	1.0	75/63	22.4	18.5	27.3	1.8	12.3	70	3	1.3	60	24.0	20.1	1.3	5.4
			80/67	23.9	18.9	29.0	1.8	12.9				70	23.7	19.3	1.4	4.8
			85/71	25.4	19.6	30.6	1.9	13.5				80	23.5	18.6	1.6	4.3
	4.5	2.1	75/63	23.2	18.7	27.8	1.7	13.8		4.5	2.5	60	27.4	23.4	1.3	6.0
			80/67	24.8	19.3	29.5	1.7	14.5				70	26.9	22.4	1.5	5.4
			85/71	26.3	19.9	31.2	1.7	15.3				80	26.5	21.4	1.6	4.8
	6	3.4	75/63	23.6	19.0	28.0	1.6	14.6		6	4.1	60	29.2	25.1	1.3	6.4
			80/67	25.2	19.5	29.7	1.6	15.5				70	28.5	23.9	1.5	5.6
			85/71	26.8	20.2	31.4	1.6	16.3				80	28.0	22.9	1.7	5.0
100	3	1.0	75/63	21.3	17.9	26.8	2.0	10.5	80	3	1.2	60	26.6	22.6	1.3	5.9
			80/67	22.7	18.6	28.3	2.0	11.1				70	26.2	21.7	1.5	5.3
			85/71	24.2	19.1	30.0	2.1	11.7				80	25.9	20.9	1.6	4.7
	4.5	2.0	75/63	22.0	18.2	27.2	1.9	11.7		4.5	2.4	60	30.5	26.3	1.4	6.6
			80/67	23.5	19.0	28.7	1.9	12.3				70	29.9	25.2	1.5	5.8
			85/71	25.0	19.6	30.4	1.9	13.1				80	29.4	24.2	1.7	5.2
	6	3.3	75/63	22.4	18.5	27.4	1.8	12.4		6	3.8	60	32.4	28.1	1.4	6.9
			80/67	23.9	19.1	29.0	1.8	13.1				70	31.7	27.0	1.5	6.1
			85/71	25.6	19.7	30.7	1.8	13.9				80	31.1	25.9	1.7	5.4
110	3	0.9	75/63	20.1	17.5	26.3	2.2	9.0	90	3	1.1	60	29.3	25.2	1.3	6.4
			80/67	21.5	18.1	27.8	2.3	9.5				70	28.9	24.3	1.5	5.7
			85/71	22.7	19.4	29.2	2.3	9.9				80	28.5	23.4	1.7	5.0
	4.5	1.9	75/63	20.8	17.9	26.6	2.1	9.9		4.5	2.2	60	33.5	29.2	1.4	7.1
			80/67	22.3	18.4	28.2	2.1	10.6				70	32.9	28.2	1.5	6.2
			85/71	23.8	19.3	29.7	2.1	11.2				80	32.4	27.1	1.7	5.5
	6	3.1	75/63	21.2	18.0	26.8	2.0	10.5		6	3.6	60	35.7	31.4	1.4	7.4
			80/67	22.7	18.7	28.4	2.0	11.1				70	35.0	30.2	1.6	6.5
			85/71	24.3	19.1	30.0	2.0	11.9				80	34.4	28.9	1.8	5.8

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP024-1CS + BIVB-24RCB-M20X (600 CFM) - Part Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/ wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	3	1.3	75/63	19.7	15.1	21.5	0.7	28.6	30	3	1.7	60	11.9	9.3	0.9	3.9
			80/67	21.0	15.5	22.7	0.7	30.8				70	11.3	8.5	1.0	3.4
			85/71	22.2	15.9	24.0	0.7	33.1				80	10.5	7.4	1.1	2.9
	4.5	2.6	75/63	20.3	15.4	21.9	0.6	32.6		4.5	3.3	60	12.9	10.3	0.9	4.3
			80/67	21.5	15.8	23.1	0.6	35.5				70	12.3	9.4	1.0	3.7
			85/71	22.9	16.2	24.4	0.6	38.7				80	11.5	8.4	1.1	3.1
	6	4.3	75/63	20.6	15.5	22.1	0.6	35.1		6	5.2	60	13.4	10.8	0.9	4.5
			80/67	21.9	15.9	23.4	0.6	38.5				70	12.7	9.9	1.0	3.8
			85/71	23.2	16.3	24.7	0.5	42.3				80	12.0	8.8	1.1	3.3
60	3	1.2	75/63	18.8	14.7	20.8	0.8	23.3	40	3	1.6	60	13.4	10.8	0.9	4.4
			80/67	20.0	15.2	22.0	0.8	25.0				70	12.7	9.9	1.0	3.8
			85/71	21.2	15.6	23.2	0.8	26.7				80	12.1	8.9	1.1	3.3
	4.5	2.5	75/63	19.3	15.0	21.2	0.7	26.2		4.5	3.0	60	14.6	11.9	0.9	4.9
			80/67	20.6	15.4	22.4	0.7	28.4				70	13.9	11.1	1.0	4.2
			85/71	21.8	15.8	23.7	0.7	30.7				80	13.3	10.2	1.1	3.6
	6	4.0	75/63	19.6	15.1	21.4	0.7	27.9		6	4.9	60	15.3	12.9	0.9	5.1
			80/67	20.9	15.5	22.7	0.7	30.4				70	14.6	11.6	1.0	4.4
			85/71	22.2	15.9	24.0	0.7	33.2				80	13.9	10.7	1.1	3.8
70	3	1.2	75/63	17.9	14.3	20.2	0.9	19.2	50	3	1.5	60	14.9	12.4	0.9	5.0
			80/67	19.0	14.7	21.4	0.9	20.5				70	14.3	11.5	1.0	4.3
			85/71	20.2	15.2	22.6	0.9	21.9				80	13.8	10.6	1.1	3.7
	4.5	2.3	75/63	18.4	14.6	20.5	0.9	21.3		4.5	2.8	60	16.6	14.2	0.9	5.5
			80/67	19.6	14.9	21.8	0.9	23.0				70	15.8	12.9	1.0	4.8
			85/71	20.8	15.4	23.0	0.8	24.8				80	15.2	12.1	1.1	4.1
	6	3.8	75/63	18.7	14.6	20.7	0.8	22.6		6	4.6	60	17.2	14.7	0.9	5.8
			80/67	19.9	15.1	22.0	0.8	24.5				70	16.5	13.6	1.0	5.0
			85/71	21.1	15.6	23.2	0.8	26.5				80	15.9	12.8	1.1	4.3
80	3	1.1	75/63	16.9	14.0	19.6	1.1	15.9	60	3	1.4	60	16.6	14.1	0.9	5.6
			80/67	18.0	14.5	20.7	1.1	17.0				70	16.1	13.2	1.0	4.8
			85/71	19.2	14.8	21.9	1.1	18.1				80	15.6	12.4	1.1	4.2
	4.5	2.2	75/63	17.4	14.2	19.9	1.0	17.5		4.5	2.6	60	18.6	16.3	0.9	6.2
			80/67	18.6	14.6	21.1	1.0	18.9				70	17.8	14.9	1.0	5.3
			85/71	19.8	15.1	22.3	1.0	20.3				80	17.3	14.1	1.1	4.6
	6	3.6	75/63	17.7	14.2	20.1	1.0	18.5		6	4.3	60	19.5	17.2	0.9	6.5
			80/67	18.9	14.7	21.3	0.9	20.0				70	18.7	15.8	1.0	5.6
			85/71	20.1	15.2	22.5	0.9	21.5				80	18.1	14.9	1.1	4.8
90	3	1.0	75/63	16.0	13.6	19.0	1.2	13.2	70	3	1.3	60	18.5	15.8	0.9	6.2
			80/67	17.0	14.1	20.1	1.2	14.1				70	17.9	15.0	1.0	5.4
			85/71	18.1	14.6	21.3	1.2	15.0				80	17.5	14.2	1.1	4.7
	4.5	2.1	75/63	16.5	13.7	19.3	1.1	14.5		4.5	2.5	60	20.6	18.0	0.9	6.9
			80/67	17.6	14.3	20.4	1.1	15.5				70	20.0	17.0	1.0	6.0
			85/71	18.7	14.7	21.6	1.1	16.7				80	19.4	16.1	1.1	5.2
	6	3.4	75/63	16.7	13.9	19.4	1.1	15.1		6	4.0	60	21.6	19.0	0.9	7.3
			80/67	17.8	14.4	20.6	1.1	16.3				70	21.0	18.0	1.0	6.3
			85/71	19.0	14.8	21.8	1.1	17.6				80	20.4	17.1	1.1	5.4
100	3	1.0	75/63	15.0	13.2	18.5	1.4	10.9	80	3	1.2	60	20.4	17.8	0.9	6.9
			80/67	16.1	13.7	19.5	1.4	11.7				70	19.9	16.9	1.0	5.9
			85/71	17.2	14.1	20.7	1.4	12.5				80	19.4	16.1	1.1	5.2
	4.5	2.0	75/63	15.5	13.3	18.7	1.3	11.9		4.5	2.3	60	22.8	20.2	0.9	7.7
			80/67	16.5	13.9	19.8	1.3	12.8				70	22.2	19.2	1.0	6.6
			85/71	17.7	14.4	21.0	1.3	13.7				80	21.6	18.3	1.1	5.7
	6	3.2	75/63	15.7	13.4	18.8	1.3	12.5		6	3.8	60	24.0	21.3	0.9	8.1
			80/67	16.8	13.9	20.0	1.3	13.4				70	23.3	20.3	1.0	6.9
			85/71	17.9	14.5	21.1	1.2	14.4				80	22.7	19.3	1.1	6.0
110	3	0.9	75/63	14.0	12.8	17.9	1.6	9.0	90	3	1.1	60	22.2	19.6	0.9	7.5
			80/67	14.7	13.6	18.8	1.6	9.4				70	21.7	18.7	1.0	6.5
			85/71	16.7	11.5	20.3	1.6	10.8				80	21.2	17.9	1.1	5.6
	4.5	1.9	75/63	14.5	13.0	18.2	1.5	9.8		4.5	2.2	60	24.9	22.6	0.9	8.4
			80/67	15.5	13.5	19.2	1.5	10.5				70	24.2	21.3	1.0	7.2
			85/71	17.0	12.7	20.5	1.5	11.6				80	23.6	20.3	1.1	6.2
	6	3.1	75/63	14.7	13.1	18.3	1.4	10.2		6	3.6	60	26.2	24.0	0.9	8.8
			80/67	15.8	13.5	19.4	1.4	11.0				70	25.4	22.5	1.0	7.5
			85/71	16.8	14.1	20.5	1.4	11.9				80	24.8	21.4	1.1	6.5

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

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Capacity Data RP036-1CS + BIVB-36RCB-M20X (1150 CFM) - Full Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	4.5	1.0	75/63	40.1	29.8	45.7	1.9	21.6	30	4.5	1.4	60	26.0	20.0	1.9	3.9
			80/67	42.8	30.6	48.4	1.9	22.7				70	25.7	19.0	2.1	3.6
			85/71	45.6	31.2	51.4	1.9	24.0				80	25.4	18.1	2.3	3.2
	6.75	2.0	75/63	41.4	30.3	46.6	1.7	24.0		6.75	2.6	60	28.2	22.0	2.0	4.2
			80/67	44.2	31.2	49.5	1.7	25.3				70	27.8	20.8	2.2	3.8
			85/71	47.1	32.1	52.5	1.8	26.8				80	27.4	19.7	2.4	3.4
	9	3.3	75/63	42.1	30.6	47.1	1.7	25.3		9	4.2	60	29.1	22.8	2.0	4.3
			80/67	44.9	31.5	50.0	1.7	26.8				70	28.5	21.6	2.2	3.9
			85/71	48.0	32.4	53.2	1.7	28.5				80	28.1	20.3	2.4	3.5
60	4.5	1.0	75/63	38.6	29.1	44.6	2.0	19.1	40	4.5	1.3	60	29.5	23.2	2.0	4.3
			80/67	41.1	30.0	47.3	2.0	20.1				70	29.0	22.2	2.2	3.9
			85/71	43.9	30.6	50.1	2.1	21.2				80	28.8	21.2	2.4	3.5
	6.75	1.9	75/63	39.8	29.7	45.5	1.9	21.1		6.75	2.5	60	32.1	25.7	2.0	4.6
			80/67	42.5	30.6	48.3	1.9	22.3				70	31.5	24.5	2.2	4.2
			85/71	45.4	31.4	51.2	1.9	23.7				80	31.2	23.2	2.4	3.8
	9	3.1	75/63	40.5	29.9	45.9	1.8	22.2		9	4.0	60	33.3	26.9	2.0	4.8
			80/67	43.2	30.9	48.8	1.8	23.6				70	32.7	25.4	2.2	4.3
			85/71	46.2	31.7	51.8	1.8	25.1				80	32.0	24.2	2.4	3.8
70	4.5	0.9	75/63	37.0	28.5	43.6	2.2	16.7	50	4.5	1.2	60	33.2	26.7	2.0	4.8
			80/67	39.5	29.1	46.2	2.2	17.7				70	32.7	25.6	2.2	4.3
			85/71	42.1	30.2	48.8	2.3	18.7				80	32.3	24.5	2.4	3.9
	6.75	1.8	75/63	38.3	28.9	44.4	2.1	18.5		6.75	2.3	60	36.4	29.8	2.1	5.1
			80/67	40.8	29.9	47.1	2.1	19.6				70	35.7	28.4	2.3	4.6
			85/71	43.6	30.7	49.9	2.1	20.9				80	35.3	27.2	2.5	4.1
	9	3.0	75/63	38.9	29.1	44.8	2.0	19.5		9	3.7	60	37.9	31.2	2.1	5.2
			80/67	41.5	30.2	47.6	2.0	20.7				70	37.2	29.6	2.3	4.7
			85/71	44.4	31.0	50.5	2.0	22.1				80	36.5	28.2	2.5	4.2
80	4.5	0.8	75/63	35.4	27.8	42.6	2.4	14.6	60	4.5	1.1	60	37.1	30.5	2.1	5.2
			80/67	37.8	28.4	45.1	2.5	15.4				70	36.6	29.3	2.3	4.7
			85/71	40.4	29.3	47.7	2.5	16.4				80	36.1	28.1	2.5	4.2
	6.75	1.7	75/63	36.6	28.1	43.3	2.3	16.1		6.75	2.2	60	40.9	34.1	2.2	5.5
			80/67	39.1	29.2	45.9	2.3	17.1				70	40.1	32.6	2.4	5.0
			85/71	41.8	30.1	48.6	2.3	18.3				80	39.5	31.2	2.6	4.5
	9	2.8	75/63	37.2	28.4	43.7	2.2	17.0		9	3.5	60	42.7	35.8	2.2	5.7
			80/67	39.8	29.4	46.4	2.2	18.1				70	41.7	34.1	2.4	5.1
			85/71	42.5	30.4	49.2	2.2	19.3				80	40.9	32.5	2.6	4.6
90	4.5	0.8	75/63	33.8	27.0	41.7	2.7	12.6	70	4.5	1.0	60	41.3	34.4	2.2	5.6
			80/67	36.1	27.8	44.1	2.7	13.4				70	40.6	33.1	2.4	5.0
			85/71	38.5	28.8	46.6	2.7	14.2				80	40.1	31.9	2.6	4.5
	6.75	1.6	75/63	34.9	27.6	42.3	2.5	14.0		6.75	2.0	60	45.6	38.6	2.2	6.0
			80/67	37.4	28.3	44.9	2.5	14.9				70	44.7	37.0	2.4	5.4
			85/71	40.0	29.1	47.5	2.5	15.9				80	44.2	35.6	2.7	4.9
	9	2.7	75/63	35.6	27.7	42.7	2.4	14.7		9	3.3	60	47.8	40.7	2.3	6.2
			80/67	38.0	28.8	45.2	2.4	15.7				70	46.6	38.8	2.5	5.6
			85/71	40.7	29.4	48.0	2.4	16.8				80	45.6	37.1	2.7	5.0
100	4.5	0.8	75/63	32.2	26.5	40.9	3.0	10.9	80	4.5	1.0	60	45.6	38.5	2.2	6.0
			80/67	34.5	27.2	43.3	3.0	11.6				70	44.8	37.1	2.4	5.4
			85/71	36.7	28.1	45.7	3.0	12.3				80	44.3	35.8	2.7	4.9
	6.75	1.5	75/63	33.2	26.9	41.4	2.8	12.0		6.75	1.9	60	50.6	43.3	2.3	6.4
			80/67	35.6	27.8	43.8	2.8	12.8				70	49.5	41.5	2.5	5.8
			85/71	38.0	28.7	46.3	2.8	13.7				80	48.6	39.9	2.7	5.2
	9	2.5	75/63	33.8	27.1	41.7	2.7	12.6		9	3.1	60	53.0	45.7	2.3	6.6
			80/67	36.2	28.0	44.2	2.7	13.5				70	51.7	43.6	2.5	6.0
			85/71	38.8	28.7	46.8	2.7	14.5				80	50.6	41.8	2.8	5.4
110	4.5	0.7	75/63	30.6	25.8	40.2	3.3	9.4	90	4.5	0.9	60	50.1	42.8	2.3	6.4
			80/67	32.7	26.8	42.5	3.3	9.9				70	49.2	41.3	2.5	5.8
			85/71	34.8	27.7	44.8	3.3	10.5				80	48.6	39.8	2.7	5.2
	6.75	1.5	75/63	31.6	26.2	40.6	3.1	10.3		6.75	1.8	60	55.6	48.1	2.4	6.9
			80/67	33.8	27.1	43.0	3.1	11.0				70	54.4	46.2	2.6	6.2
			85/71	36.1	28.0	45.4	3.1	11.7				80	53.4	44.5	2.8	5.6
	9	2.4	75/63	32.1	26.4	40.9	3.0	10.8		9	2.9	60	58.4	50.9	2.4	7.1
			80/67	34.5	27.2	43.3	3.0	11.6				70	56.9	48.6	2.6	6.4
			85/71	36.8	28.2	45.7	3.0	12.4				80	55.7	46.6	2.8	5.7

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP036-1CS + BIVB-36RCB-M20X (825 CFM) - Part Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	4.5	1.0	75/63	29.2	21.6	32.2	1.1	27.3	30	4.5	1.3	60	20.2	15.7	1.5	4.1
			80/67	31.0	22.2	34.1	1.1	29.4				70	19.4	14.6	1.6	3.6
			85/71	33.0	22.7	36.0	1.0	31.4				80	18.4	13.0	1.8	3.1
	6.75	2.1	75/63	29.9	21.9	32.7	1.0	30.7		6.75	2.6	60	21.3	16.8	1.5	4.3
			80/67	31.8	22.6	34.6	1.0	33.4				70	20.4	15.5	1.6	3.7
			85/71	33.9	23.0	36.6	0.9	36.3				80	19.5	14.1	1.8	3.2
	9	3.4	75/63	30.3	22.1	32.9	0.9	32.8		9	4.2	60	21.9	17.4	1.5	4.4
			80/67	32.3	22.7	34.9	0.9	35.9				70	21.0	16.0	1.6	3.8
			85/71	34.4	23.1	36.9	0.9	39.3				80	20.1	14.6	1.8	3.3
60	4.5	1.0	75/63	27.9	21.1	31.4	1.2	22.6	40	4.5	1.2	60	22.4	18.0	1.5	4.5
			80/67	29.7	21.7	33.2	1.2	24.2				70	21.7	16.7	1.6	4.0
			85/71	31.6	22.2	35.1	1.2	25.7				80	20.9	15.4	1.8	3.5
	6.75	1.9	75/63	28.6	21.4	31.8	1.1	25.1		6.75	2.4	60	23.9	19.4	1.5	4.8
			80/67	30.6	21.9	33.8	1.1	27.1				70	23.1	18.1	1.6	4.2
			85/71	32.5	22.4	35.7	1.1	29.2				80	22.3	16.8	1.8	3.7
	9	3.2	75/63	29.0	21.6	32.1	1.1	26.5		9	3.9	60	24.7	20.2	1.5	5.0
			80/67	31.0	22.1	34.0	1.1	28.8				70	23.8	18.8	1.6	4.3
			85/71	32.9	22.7	36.0	1.1	31.2				80	23.0	17.5	1.8	3.8
70	4.5	0.9	75/63	26.6	20.5	30.6	1.4	18.8	50	4.5	1.2	60	25.1	20.6	1.5	5.0
			80/67	28.4	21.2	32.4	1.4	20.1				70	24.3	19.4	1.6	4.4
			85/71	30.2	21.7	34.3	1.4	21.4				80	23.7	18.1	1.8	3.9
	6.75	1.8	75/63	27.3	20.8	31.0	1.3	20.7		6.75	2.3	60	26.9	22.4	1.5	5.4
			80/67	29.2	21.4	32.9	1.3	22.3				70	26.1	21.1	1.6	4.7
			85/71	31.1	21.9	34.8	1.3	23.9				80	25.4	19.8	1.8	4.1
	9	3.0	75/63	27.7	20.9	31.3	1.3	21.8		9	3.7	60	27.9	23.4	1.5	5.6
			80/67	29.5	21.6	33.1	1.3	23.5				70	27.0	22.0	1.6	4.9
			85/71	31.5	22.2	35.1	1.2	25.3				80	26.3	20.7	1.8	4.3
80	4.5	0.9	75/63	25.3	20.0	29.8	1.6	15.7	60	4.5	1.1	60	28.0	23.4	1.5	5.6
			80/67	27.0	20.6	31.6	1.6	16.8				70	27.3	22.2	1.6	4.9
			85/71	28.8	21.2	33.4	1.6	17.8				80	26.7	21.1	1.8	4.3
	6.75	1.7	75/63	26.0	20.2	30.2	1.5	17.2		6.75	2.1	60	30.2	25.6	1.5	6.0
			80/67	27.8	20.8	32.0	1.5	18.5				70	29.4	24.3	1.6	5.2
			85/71	29.6	21.5	33.9	1.5	19.8				80	28.7	23.0	1.8	4.6
	9	2.8	75/63	26.4	20.3	30.4	1.5	18.1		9	3.4	60	31.4	26.8	1.5	6.2
			80/67	28.1	21.1	32.2	1.4	19.4				70	30.5	25.4	1.7	5.4
			85/71	30.1	21.5	34.2	1.4	20.9				80	29.8	24.0	1.8	4.7
90	4.5	0.8	75/63	24.0	19.5	29.1	1.8	13.2	70	4.5	1.0	60	31.1	26.5	1.5	6.2
			80/67	25.7	20.0	30.8	1.8	14.1				70	30.4	25.3	1.7	5.4
			85/71	27.4	20.7	32.6	1.8	14.9				80	29.8	24.1	1.8	4.8
	6.75	1.6	75/63	24.7	19.6	29.5	1.7	14.4		6.75	2.0	60	33.6	29.0	1.5	6.6
			80/67	26.4	20.4	31.2	1.7	15.4				70	32.9	27.7	1.7	5.8
			85/71	28.2	21.0	33.0	1.7	16.5				80	32.2	26.3	1.9	5.1
	9	2.7	75/63	25.0	19.7	29.6	1.7	15.0		9	3.2	60	35.0	30.4	1.5	6.8
			80/67	26.8	20.4	31.4	1.7	16.1				70	34.2	28.9	1.7	6.0
			85/71	28.6	21.0	33.3	1.7	17.3				80	33.4	27.5	1.9	5.2
100	4.5	0.8	75/63	22.7	18.9	28.5	2.1	11.0	80	4.5	1.0	60	34.3	29.7	1.5	6.7
			80/67	24.4	19.4	30.1	2.1	11.8				70	33.7	28.5	1.7	5.9
			85/71	25.9	20.2	31.8	2.1	12.5				80	33.1	27.2	1.9	5.2
	6.75	1.6	75/63	23.3	19.2	28.7	2.0	11.9		6.75	1.9	60	37.3	32.6	1.5	7.2
			80/67	25.0	19.7	30.5	2.0	12.8				70	36.5	31.2	1.7	6.3
			85/71	26.7	20.3	32.2	1.9	13.7				80	35.7	29.8	1.9	5.5
	9	2.6	75/63	23.7	19.2	28.9	1.9	12.4		9	3.1	60	38.9	34.1	1.5	7.4
			80/67	25.4	19.8	30.6	1.9	13.4				70	38.0	32.6	1.7	6.4
			85/71	27.1	20.6	32.4	1.9	14.4				80	37.1	31.1	1.9	5.7
110	4.5	0.7	75/63	21.4	18.4	27.9	2.3	9.1	90	4.5	0.9	60	37.4	32.7	1.5	7.2
			80/67	22.9	19.1	29.5	2.3	9.8				70	36.7	31.4	1.7	6.3
			85/71	24.5	19.7	31.1	2.3	10.5				80	36.1	30.1	1.9	5.5
	6.75	1.5	75/63	22.0	18.5	28.1	2.2	9.9		6.75	1.8	60	40.7	35.9	1.6	7.6
			80/67	23.6	19.2	29.8	2.2	10.7				70	39.8	34.4	1.8	6.6
			85/71	25.2	19.9	31.4	2.2	11.4				80	39.0	32.8	2.0	5.8
	9	2.5	75/63	22.2	18.7	28.2	2.2	10.3		9	2.9	60	42.5	37.5	1.6	7.8
			80/67	23.9	19.3	29.9	2.2	11.1				70	41.5	35.9	1.8	6.8
			85/71	25.5	20.1	31.6	2.1	11.9				80	40.5	34.3	2.0	6.0

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

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Capacity Data RP048-1CS + BIVB-48RCB-M20X (1610 CFM) - Full Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	6	1.7	75/63	51.4	39.7	58.4	2.4	21.7	30	6	2.2	60	33.9	26.0	2.3	4.3
			80/67	54.9	40.9	62.1	2.4	22.7				70	33.1	25.2	2.6	3.8
			85/71	58.4	42.1	65.8	2.5	23.7				80	33.1	24.3	2.8	3.5
	9	3.4	75/63	53.4	40.7	59.9	2.2	24.5		9	4.2	60	35.5	28.1	2.4	4.4
			80/67	57.1	41.8	63.7	2.2	25.7				70	36.1	28.3	2.6	4.1
			85/71	60.4	42.8	67.3	2.3	26.7				80	35.4	26.3	2.8	3.6
	12	5.5	75/63	53.7	40.8	59.9	2.1	26.0		12	6.7	60	37.9	29.6	2.4	4.7
			80/67	57.5	42.0	63.9	2.1	27.3				70	37.2	28.9	2.6	4.2
			85/71	62.0	43.3	68.5	2.2	28.7				80	36.9	27.6	2.9	3.8
60	6	1.6	75/63	49.4	39.0	57.1	2.6	19.0	40	6	2.0	60	38.2	30.8	2.4	4.7
			80/67	52.8	40.1	60.7	2.6	20.0				70	37.8	29.3	2.6	4.2
			85/71	56.3	41.1	64.4	2.7	20.9				80	37.1	28.0	2.9	3.8
	9	3.2	75/63	51.0	39.5	58.2	2.4	21.1		9	3.9	60	41.7	33.8	2.4	5.0
			80/67	54.5	40.8	61.9	2.4	22.3				70	41.0	32.6	2.7	4.5
			85/71	58.2	42.0	65.7	2.5	23.4				80	40.3	31.6	2.9	4.0
	12	5.2	75/63	51.8	39.9	58.7	2.3	22.4		12	6.3	60	41.8	33.9	2.4	5.0
			80/67	55.4	41.1	62.5	2.3	23.6				70	42.2	33.0	2.7	4.6
			85/71	59.2	42.4	66.4	2.4	24.8				80	42.0	31.8	3.0	4.2
70	6	1.5	75/63	47.4	38.1	55.8	2.8	16.7	50	6	1.9	60	43.5	35.5	2.5	5.2
			80/67	50.6	39.3	59.2	2.9	17.5				70	42.6	34.1	2.7	4.6
			85/71	54.0	40.4	62.7	2.9	18.4				80	42.0	32.2	3.0	4.2
	9	3.0	75/63	48.9	38.7	56.7	2.7	18.4		9	3.6	60	46.2	38.5	2.5	5.4
			80/67	52.4	39.9	60.4	2.7	19.5				70	45.4	36.4	2.8	4.8
			85/71	55.9	41.1	64.1	2.7	20.5				80	45.6	36.2	3.0	4.4
	12	4.9	75/63	49.7	39.1	57.3	2.6	19.4		12	5.9	60	48.0	39.9	2.6	5.5
			80/67	53.2	40.3	61.0	2.6	20.6				70	48.2	38.4	2.8	5.1
			85/71	56.8	41.6	64.6	2.6	21.7				80	46.7	36.7	3.0	4.5
80	6	1.4	75/63	45.4	37.1	54.6	3.1	14.6	60	6	1.7	60	48.8	40.7	2.6	5.6
			80/67	48.4	38.4	57.8	3.2	15.4				70	48.1	38.3	2.8	5.0
			85/71	51.6	39.6	61.2	3.2	16.1				80	43.0	36.0	3.0	4.2
	9	2.8	75/63	46.9	37.7	55.5	2.9	16.1		9	3.4	60	52.3	44.1	2.6	5.8
			80/67	50.2	39.0	58.9	2.9	17.0				70	51.3	42.5	2.9	5.3
			85/71	53.5	40.2	62.4	3.0	18.0				80	50.3	40.2	3.1	4.7
	12	4.7	75/63	47.6	38.2	55.9	2.8	16.9		12	5.5	60	54.5	46.0	2.7	6.0
			80/67	51.0	39.4	59.5	2.8	18.0				70	53.2	44.3	2.9	5.4
			85/71	54.6	40.6	63.2	2.9	19.0				80	54.1	44.1	3.2	5.0
90	6	1.3	75/63	43.5	36.4	53.5	3.4	12.7	70	6	1.6	60	54.4	46.0	2.7	6.0
			80/67	46.0	37.8	56.1	3.5	13.3				70	53.7	44.4	2.9	5.4
			85/71	49.3	38.7	59.7	3.5	14.1				80	52.8	42.7	3.2	4.9
	9	2.7	75/63	44.7	36.9	54.1	3.2	14.0		9	3.2	60	58.7	50.2	2.7	6.3
			80/67	48.1	38.4	57.7	3.2	14.9				70	57.6	48.2	3.0	5.7
			85/71	51.1	39.4	60.8	3.3	15.7				80	56.2	46.8	3.2	5.1
	12	4.4	75/63	45.4	37.2	54.5	3.1	14.7		12	5.2	60	61.6	52.5	2.8	6.5
			80/67	49.0	38.5	58.3	3.1	15.7				70	60.0	50.4	3.0	5.8
			85/71	52.0	39.8	61.4	3.1	16.6				80	58.8	48.3	3.3	5.3
100	6	1.3	75/63	41.1	35.4	52.1	3.8	10.9	80	6	1.5	60	60.4	51.6	2.8	6.4
			80/67	43.9	36.7	55.2	3.8	11.5				70	59.7	50.0	3.0	5.8
			85/71	44.4	38.9	56.8	3.8	11.6				80	58.6	47.1	3.3	5.3
	9	2.6	75/63	42.4	36.1	52.8	3.5	12.0		9	3.0	60	65.6	56.8	2.9	6.7
			80/67	45.5	37.4	56.0	3.6	12.8				70	64.2	54.4	3.1	6.1
			85/71	48.4	38.8	59.0	3.6	13.5				80	63.0	52.3	3.4	5.5
	12	4.2	75/63	43.1	36.4	53.1	3.4	12.6		12	5.0	60	68.8	59.3	2.9	6.9
			80/67	46.3	37.6	56.4	3.4	13.5				70	67.0	57.0	3.2	6.2
			85/71	49.6	38.8	59.9	3.5	14.3				80	65.6	54.7	3.4	5.6
110	6	1.2	75/63	38.8	34.5	51.1	4.2	9.3	90	6	1.5	60	66.8	57.7	2.9	6.8
			80/67	41.6	35.8	54.1	4.2	9.8				70	65.7	55.8	3.1	6.1
			85/71	45.8	31.8	57.4	4.3	10.7				80	64.7	53.5	3.4	5.6
	9	2.4	75/63	40.1	35.3	51.7	3.9	10.2		9	2.9	60	72.9	63.0	3.0	7.1
			80/67	42.2	37.6	54.3	3.9	10.7				70	71.4	60.4	3.3	6.4
			85/71	46.2	37.2	58.0	4.0	11.6				80	69.6	58.6	3.5	5.8
	12	4.0	75/63	40.9	35.3	52.1	3.8	10.8		12	4.7	60	76.1	66.8	3.1	7.2
			80/67	43.8	36.7	55.1	3.8	11.5				70	74.5	64.0	3.3	6.6
			85/71	45.8	39.4	57.9	3.8	12.0				80	72.7	61.3	3.6	5.9

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP048-1CS + BIVB-48RCB-M20X (1109 CFM) - Part Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	6	1.7	75/63	38.1	28.5	41.9	1.4	28.0	30	6	2.1	60	24.6	19.3	1.8	4.1
			80/67	40.6	29.3	44.5	1.4	29.8				70	23.7	17.8	1.9	3.6
			85/71	43.2	30.3	47.2	1.4	31.6				80	22.8	16.2	2.2	3.1
	9	3.4	75/63	39.1	29.0	42.6	1.2	31.5		9	4.1	60	25.7	20.2	1.8	4.3
			80/67	41.8	29.8	45.3	1.2	33.8				70	24.7	18.8	1.9	3.7
			85/71	44.6	30.7	48.2	1.2	36.3				80	24.1	17.9	2.2	3.3
	12	5.6	75/63	39.7	29.3	43.0	1.2	33.6		12	6.6	60	26.3	20.9	1.8	4.4
			80/67	42.5	30.1	45.8	1.2	36.2				70	25.3	19.3	2.0	3.8
			85/71	45.4	31.0	48.7	1.2	39.2				80	24.5	17.4	2.2	3.3
60	6	1.6	75/63	36.2	27.7	40.5	1.6	23.2	40	6	2.0	60	28.4	23.0	1.8	4.7
			80/67	38.6	28.5	43.0	1.6	24.7				70	27.5	21.6	2.0	4.1
			85/71	41.2	29.5	45.7	1.6	26.1				80	26.6	19.8	2.2	3.6
	9	3.2	75/63	37.2	28.2	41.2	1.4	25.7		9	3.8	60	29.9	24.4	1.8	5.0
			80/67	39.8	29.1	43.9	1.4	27.5				70	28.8	22.8	2.0	4.3
			85/71	42.5	30.0	46.6	1.4	29.5				80	28.0	21.1	2.2	3.8
	12	5.2	75/63	37.8	28.4	41.7	1.4	27.2		12	6.1	60	30.7	25.4	1.8	5.1
			80/67	40.5	29.3	44.4	1.4	29.3				70	29.6	23.6	2.0	4.4
			85/71	43.2	30.3	47.2	1.4	31.6				80	28.7	21.6	2.2	3.9
70	6	1.5	75/63	34.2	26.9	39.1	1.8	19.3	50	6	1.8	60	32.4	27.1	1.8	5.4
			80/67	36.6	27.9	41.6	1.8	20.6				70	31.6	25.6	2.0	4.7
			85/71	39.1	28.7	44.2	1.8	21.8				80	30.5	23.8	2.2	4.1
	9	3.0	75/63	35.2	27.4	39.8	1.7	21.2		9	3.6	60	34.5	29.1	1.8	5.7
			80/67	37.8	28.2	42.4	1.7	22.8				70	33.3	27.2	2.0	5.0
			85/71	40.4	29.0	45.1	1.7	24.3				80	32.2	25.3	2.2	4.3
	12	5.0	75/63	35.8	27.6	40.2	1.6	22.3		12	5.8	60	35.5	30.1	1.8	5.9
			80/67	38.3	28.5	42.8	1.6	24.0				70	34.2	28.2	2.0	5.1
			85/71	41.0	29.4	45.6	1.6	25.8				80	33.2	26.0	2.2	4.5
80	6	1.4	75/63	32.3	26.0	37.8	2.0	16.1	60	6	1.7	60	36.7	31.3	1.8	6.1
			80/67	34.6	27.1	40.2	2.0	17.2				70	35.7	29.7	2.0	5.3
			85/71	36.9	28.1	42.7	2.0	18.2				80	34.7	28.0	2.2	4.7
	9	2.9	75/63	33.3	26.5	38.5	1.9	17.6		9	3.3	60	39.3	33.8	1.8	6.5
			80/67	35.7	27.4	41.0	1.9	18.9				70	38.0	31.9	2.0	5.6
			85/71	38.2	28.4	43.5	1.9	20.2				80	36.8	29.9	2.2	4.9
	12	4.7	75/63	33.8	26.7	38.8	1.8	18.5		12	5.4	60	40.5	35.2	1.8	6.7
			80/67	36.3	27.6	41.4	1.8	19.9				70	39.2	33.1	2.0	5.8
			85/71	38.9	28.5	44.1	1.8	21.4				80	37.8	31.0	2.2	5.0
90	6	1.3	75/63	30.2	25.4	36.5	2.3	13.4	70	6	1.6	60	41.3	35.9	1.8	6.8
			80/67	32.5	26.2	38.8	2.3	14.3				70	40.2	34.1	2.0	5.9
			85/71	34.9	27.1	41.3	2.3	15.3				80	39.1	32.3	2.2	5.2
	9	2.7	75/63	31.2	25.7	37.1	2.1	14.6		9	3.2	60	44.4	39.1	1.8	7.2
			80/67	33.5	26.7	39.5	2.1	15.7				70	43.0	36.8	2.0	6.3
			85/71	36.0	27.6	42.0	2.1	16.8				80	41.6	34.7	2.2	5.5
	12	4.5	75/63	31.7	25.9	37.4	2.1	15.3		12	5.1	60	46.0	40.6	1.8	7.5
			80/67	34.1	26.9	39.9	2.1	16.5				70	44.4	38.2	2.0	6.5
			85/71	36.7	27.7	42.5	2.1	17.7				80	42.9	36.0	2.2	5.6
100	6	1.3	75/63	28.2	24.6	35.2	2.6	11.1	80	6	1.5	60	46.2	40.7	1.8	7.5
			80/67	30.5	25.4	37.6	2.6	11.9				70	44.9	38.7	2.0	6.5
			85/71	32.6	26.7	39.9	2.6	12.7				80	43.9	37.0	2.2	5.7
	9	2.6	75/63	29.1	24.9	35.8	2.4	12.0		9	3.0	60	49.8	44.3	1.8	7.9
			80/67	31.4	25.8	38.1	2.4	13.0				70	48.3	41.9	2.1	6.9
			85/71	33.8	26.8	40.6	2.4	13.9				80	47.0	39.8	2.3	6.0
	12	4.2	75/63	29.6	25.0	36.1	2.4	12.6		12	4.9	60	51.7	46.1	1.9	8.1
			80/67	31.9	26.1	38.4	2.3	13.6				70	50.0	43.6	2.1	7.1
			85/71	34.3	27.1	40.9	2.3	14.6				80	48.6	41.4	2.3	6.2
110	6	1.2	75/63	26.1	23.8	34.0	2.9	9.1	90	6	1.4	60	51.3	45.6	1.9	8.1
			80/67	28.2	24.9	36.2	2.9	9.8				70	50.0	43.6	2.1	7.1
			85/71	29.9	26.6	38.3	2.9	10.4				80	48.8	41.8	2.3	6.2
	9	2.5	75/63	27.0	24.1	34.5	2.7	9.9		9	2.8	60	55.5	49.8	1.9	8.5
			80/67	29.3	24.9	36.8	2.7	10.7				70	53.8	47.2	2.1	7.4
			85/71	31.5	26.2	39.2	2.7	11.6				80	52.4	44.8	2.4	6.5
	12	4.1	75/63	27.5	24.2	34.8	2.7	10.3		12	4.6	60	57.7	51.9	2.0	8.6
			80/67	29.7	25.2	37.1	2.7	11.2				70	56.1	49.5	2.2	7.6
			85/71	32.1	26.3	39.5	2.6	12.1				80	54.2	46.8	2.4	6.6

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

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Capacity Data RP060-1CS + BIVB-60RCB-M20X (1950 CFM) - Full Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	7.5	2.0	75/63	62.4	46.5	71.3	2.9	21.3	30	7.5	2.6	60	49.3	39.1	3.2	4.5
			80/67	67.0	47.9	76.2	3.0	22.6				70	48.8	37.7	3.5	4.1
			85/71	70.9	50.1	80.5	3.0	23.7				80	48.3	36.2	3.9	3.6
	11.25	3.9	75/63	64.2	47.3	72.6	2.7	23.4		11.25	5.0	60	52.8	42.3	3.3	4.7
			80/67	68.6	48.7	77.2	2.8	24.7				70	52.2	40.7	3.6	4.3
			85/71	73.1	49.6	81.8	2.8	25.9				80	51.8	38.9	3.9	3.8
	15	6.5	75/63	65.0	47.4	73.2	2.7	24.3		15	8.0	60	54.7	44.6	3.3	4.8
			80/67	69.4	49.0	77.7	2.7	25.8				70	54.1	42.8	3.6	4.4
			85/71	74.2	50.3	82.7	2.7	27.4				80	53.3	40.6	4.0	3.9
60	7.5	1.8	75/63	60.0	46.5	70.0	3.2	18.9	40	7.5	2.4	60	56.1	44.4	3.3	4.9
			80/67	64.4	46.8	74.3	3.2	19.9				70	55.3	43.7	3.7	4.4
			85/71	68.6	48.1	78.8	3.3	21.0				80	55.0	42.2	4.0	4.0
	11.25	3.7	75/63	61.9	46.3	71.1	3.0	20.6		11.25	4.7	60	60.0	48.6	3.4	5.1
			80/67	66.1	47.9	75.5	3.0	21.8				70	59.5	47.9	3.8	4.6
			85/71	71.0	47.6	80.3	3.1	23.0				80	59.0	45.8	4.1	4.2
	15	6.1	75/63	62.5	46.6	71.5	2.9	21.3		15	7.5	60	62.8	51.8	3.5	5.3
			80/67	66.9	47.7	75.9	3.0	22.6				70	62.0	49.8	3.8	4.8
			85/71	71.5	49.2	80.7	3.0	24.0				80	61.3	47.6	4.2	4.3
70	7.5	1.7	75/63	57.1	45.1	67.9	3.5	16.5	50	7.5	2.2	60	61.3	50.5	3.5	5.2
			80/67	61.1	46.6	72.1	3.5	17.4				70	63.1	50.8	3.8	4.8
			85/71	65.9	47.3	76.9	3.6	18.5				80	62.1	48.4	4.2	4.3
	11.25	3.5	75/63	59.2	45.7	69.4	3.3	18.0		11.25	4.4	60	65.7	55.0	3.6	5.4
			80/67	63.0	46.5	73.2	3.3	19.0				70	67.4	54.5	3.9	5.0
			85/71	67.7	47.7	77.9	3.4	20.1				80	66.2	52.1	4.3	4.5
	15	5.8	75/63	60.1	45.4	69.9	3.2	18.7		15	7.1	60	70.7	59.5	3.7	5.6
			80/67	64.3	46.4	74.0	3.3	19.7				70	70.3	57.1	4.0	5.1
			85/71	68.2	49.8	78.6	3.2	21.2				80	69.5	55.5	4.4	4.6
80	7.5	1.7	75/63	55.3	43.5	66.9	3.8	14.5	60	7.5	2.1	60	69.6	57.9	3.6	5.6
			80/67	59.1	44.8	70.9	3.9	15.4				70	60.5	51.6	3.9	4.5
			85/71	62.0	47.9	74.7	3.9	16.0				80	70.2	55.1	4.4	4.7
	11.25	3.4	75/63	56.8	44.1	67.7	3.6	15.7		11.25	4.1	60	66.3	57.8	3.7	5.2
			80/67	60.8	45.6	71.9	3.6	16.7				70	76.0	63.1	4.2	5.4
			85/71	64.3	48.7	76.0	3.6	17.6				80	75.4	59.6	4.6	4.9
	15	5.5	75/63	57.5	44.1	68.1	3.5	16.3		15	6.7	60	69.1	60.4	3.8	5.3
			80/67	61.2	45.8	72.0	3.5	17.4				70	79.0	65.3	4.2	5.5
			85/71	66.0	46.5	76.9	3.6	18.5				80	78.6	63.0	4.7	5.0
90	7.5	1.6	75/63	52.8	42.5	65.6	4.2	12.6	70	7.5	2.0	60	78.3	65.5	3.8	6.0
			80/67	56.1	44.6	69.2	4.2	13.3				70	77.1	63.3	4.2	5.4
			85/71	61.0	38.6	73.1	4.3	14.2				80	67.2	57.1	4.5	4.4
	11.25	3.2	75/63	54.2	42.9	66.1	4.0	13.7		11.25	3.9	60	85.1	71.3	4.0	6.2
			80/67	57.4	44.1	69.7	4.0	14.4				70	83.0	67.3	4.3	5.6
			85/71	62.3	38.5	73.3	4.1	15.1				80	81.6	67.1	4.8	5.0
	15	5.3	75/63	54.1	43.8	66.0	3.8	14.2		15	6.3	60	90.6	77.6	4.2	6.4
			80/67	57.0	45.8	69.9	3.8	14.9				70	86.3	72.5	4.5	5.7
			85/71	62.7	46.9	75.0	3.9	16.1				80	88.9	71.8	5.0	5.3
100	7.5	1.5	75/63	50.8	36.2	64.0	4.6	11.0	80	7.5	1.9	60	87.0	74.4	4.1	6.2
			80/67	53.4	42.7	67.5	4.7	11.5				70	85.2	71.5	4.4	5.6
			85/71	57.2	43.9	71.7	4.7	12.2				80	75.1	64.5	4.7	4.7
	11.25	3.0	75/63	51.6	37.4	64.1	4.5	11.6		11.25	3.7	60	80.1	56.5	3.9	6.0
			80/67	53.3	44.4	67.7	4.4	12.2				70	92.2	77.6	4.6	5.8
			85/71	59.2	35.8	71.2	4.6	12.9				80	91.0	75.4	5.1	5.3
	15	5.0	75/63	52.1	37.9	64.4	4.4	11.9		15	6.0	60	97.6	83.9	4.4	6.5
			80/67	53.9	44.1	66.5	4.3	12.6				70	99.9	85.1	4.9	6.0
			85/71	59.6	45.8	73.0	4.3	13.9				80	84.8	73.4	5.1	4.9
110	7.5	1.4	75/63	48.1	34.8	62.7	5.1	9.4	90	7.5	1.8	60	79.7	89.1	4.4	5.4
			80/67	50.0	41.3	65.9	5.1	9.7				70	94.5	79.8	4.7	5.9
			85/71	53.7	42.9	69.5	5.2	10.3				80	93.8	80.1	5.2	5.3
	11.25	2.9	75/63	46.6	41.4	62.2	4.8	9.7		11.25	3.5	60	105.1	89.1	4.6	6.8
			80/67	51.8	40.0	66.3	4.9	10.6				70	103.1	86.5	5.0	6.1
			85/71	55.8	35.5	69.4	5.1	11.1				80	101.1	83.4	5.4	5.5
	15	4.8	75/63	48.4	39.9	62.8	4.8	10.0		15	5.7	60	109.7	96.0	4.7	6.8
			80/67	53.0	36.7	66.4	4.9	10.9				70	96.4	85.2	5.0	5.6
			85/71	57.1	35.1	70.0	4.9	11.7				80	107.8	89.3	5.6	5.6

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP060-1CS + BIVB-60RCB-M20X (1401 CFM) Part Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	7.5	2.0	75/63	48.1	36.1	53.5	1.8	26.4	30	7.5	2.5	60	33.0	25.9	2.3	4.3
			80/67	51.7	37.3	57.1	1.8	28.5				70	31.5	23.8	2.5	3.7
			85/71	54.5	38.1	60.0	1.8	30.4				80	29.7	21.2	2.8	3.1
	11.25	4.0	75/63	49.1	37.0	54.3	1.7	28.7		11.25	4.9	60	34.5	27.3	2.3	4.4
			80/67	53.1	37.8	58.2	1.7	31.3				70	32.7	25.0	2.5	3.8
			85/71	56.1	38.6	61.2	1.7	33.5				80	30.9	22.6	2.8	3.3
	15	6.6	75/63	49.7	37.2	54.8	1.7	30.0		15	7.9	60	35.3	28.0	2.3	4.5
			80/67	53.2	37.8	58.1	1.6	32.3				70	33.6	25.6	2.5	3.9
			85/71	56.4	40.0	61.4	1.6	35.1				80	31.5	23.3	2.8	3.3
60	7.5	1.9	75/63	46.2	35.2	52.2	2.0	22.7	40	7.5	2.3	60	37.6	30.4	2.3	4.8
			80/67	49.2	36.3	55.3	2.0	24.2				70	36.1	28.1	2.6	4.2
			85/71	52.1	37.0	58.1	2.0	25.7				80	34.8	26.0	2.8	3.6
	11.25	3.8	75/63	46.9	35.6	52.6	1.9	24.3		11.25	4.6	60	39.5	32.4	2.3	5.0
			80/67	50.0	36.7	55.8	1.9	26.1				70	37.9	30.0	2.6	4.3
			85/71	53.4	37.7	59.1	1.9	28.3				80	36.5	27.4	2.8	3.8
	15	6.2	75/63	47.5	35.8	53.1	1.9	25.3		15	7.4	60	40.6	33.2	2.3	5.1
			80/67	50.7	36.9	56.3	1.9	27.3				70	39.0	30.7	2.6	4.4
			85/71	54.2	38.0	59.7	1.8	29.7				80	37.4	28.3	2.9	3.8
70	7.5	1.8	75/63	43.8	34.2	50.5	2.3	19.1	50	7.5	2.2	60	42.8	35.5	2.4	5.3
			80/67	46.3	35.0	53.1	2.3	20.3				70	41.4	33.2	2.6	4.6
			85/71	49.4	36.1	56.1	2.3	21.7				80	40.0	31.1	2.9	4.1
	11.25	3.6	75/63	45.0	34.5	51.4	2.2	20.8		11.25	4.3	60	45.2	37.6	2.4	5.5
			80/67	47.5	35.7	53.9	2.2	22.0				70	43.7	35.3	2.6	4.8
			85/71	50.8	36.7	57.2	2.1	23.8				80	42.2	32.8	2.9	4.2
	15	5.9	75/63	45.4	35.1	51.6	2.1	21.5		15	7.0	60	46.5	38.9	2.4	5.7
			80/67	48.2	35.8	54.4	2.1	23.0				70	44.8	36.4	2.7	4.9
			85/71	51.5	36.9	57.7	2.1	24.9				80	43.3	33.8	2.9	4.3
80	7.5	1.7	75/63	41.0	33.0	48.4	2.6	16.0	60	7.5	2.1	60	48.4	40.8	2.4	5.8
			80/67	43.8	34.0	51.3	2.6	17.1				70	47.0	38.4	2.7	5.1
			85/71	46.6	35.2	54.2	2.6	18.2				80	45.7	36.2	3.0	4.5
	11.25	3.4	75/63	42.0	33.6	49.1	2.4	17.2		11.25	4.0	60	51.4	43.4	2.5	6.1
			80/67	44.9	34.6	52.1	2.4	18.5				70	49.8	40.9	2.7	5.4
			85/71	48.0	35.7	55.2	2.4	19.9				80	48.3	38.5	3.0	4.7
	15	5.6	75/63	42.5	33.8	49.5	2.4	17.9		15	6.6	60	52.8	45.0	2.5	6.2
			80/67	45.5	34.9	52.5	2.4	19.3				70	51.2	42.4	2.7	5.5
			85/71	48.6	36.1	55.6	2.3	20.8				80	49.5	39.8	3.0	4.8
90	7.5	1.6	75/63	38.4	32.0	46.8	2.9	13.4	70	7.5	1.9	60	54.3	46.3	2.5	6.4
			80/67	41.4	33.2	49.9	2.9	14.4				70	52.9	44.1	2.8	5.6
			85/71	43.9	34.3	52.5	2.9	15.3				80	51.6	41.8	3.1	4.9
	11.25	3.2	75/63	39.4	32.4	47.4	2.7	14.4		11.25	3.8	60	57.9	49.6	2.5	6.7
			80/67	42.2	33.6	50.3	2.7	15.4				70	56.2	47.0	2.8	5.9
			85/71	45.2	34.8	53.3	2.7	16.6				80	54.6	44.5	3.1	5.1
	15	5.3	75/63	40.0	32.6	47.8	2.7	14.9		15	6.2	60	59.6	51.4	2.6	6.8
			80/67	42.7	34.0	50.6	2.7	16.0				70	57.8	48.7	2.8	6.0
			85/71	45.9	35.0	53.8	2.6	17.4				80	56.2	45.9	3.1	5.3
100	7.5	1.5	75/63	37.0	27.8	45.8	3.2	11.5	80	7.5	1.8	60	60.7	52.8	2.6	6.9
			80/67	37.9	33.1	47.6	3.2	11.7				70	59.1	50.0	2.8	6.1
			85/71	41.4	33.4	50.9	3.2	12.8				80	57.7	47.6	3.2	5.4
	11.25	3.1	75/63	36.9	31.3	45.8	3.1	11.9		11.25	3.6	60	64.6	55.9	2.6	7.3
			80/67	39.4	32.9	48.5	3.1	12.8				70	62.8	53.4	2.9	6.4
			85/71	42.5	33.5	51.5	3.1	13.8				80	61.1	50.7	3.2	5.6
	15	5.1	75/63	37.2	31.5	46.0	3.0	12.3		15	5.9	60	66.6	58.1	2.6	7.4
			80/67	40.1	32.8	48.9	3.0	13.3				70	64.7	55.2	2.9	6.5
			85/71	42.8	34.5	51.8	3.0	14.3				80	63.0	52.3	3.2	5.7
110	7.5	1.4	75/63	31.8	30.3	42.9	3.6	8.8	90	7.5	1.7	60	66.9	58.8	2.6	7.4
			80/67	35.8	31.7	46.5	3.6	9.9				70	65.4	56.1	2.9	6.6
			85/71	39.9	26.9	49.6	3.6	11.1				80	63.8	53.9	3.2	5.8
	11.25	2.9	75/63	34.5	29.4	44.4	3.5	9.9		11.25	3.4	60	71.4	62.7	2.7	7.8
			80/67	37.1	31.4	47.2	3.5	10.7				70	69.6	59.9	3.0	6.9
			85/71	39.7	32.8	49.9	3.4	11.5				80	67.8	57.0	3.3	6.0
	15	4.9	75/63	35.5	27.8	44.9	3.4	10.4		15	5.6	60	73.8	64.8	2.7	8.0
			80/67	38.2	26.5	47.6	3.5	11.0				70	71.8	61.7	3.0	7.0
			85/71	41.4	28.2	50.6	3.4	12.2				80	69.6	59.7	3.3	6.1

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

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Capacity Data RP024-1CS + BMAC2430BBTA (809 CFM) Full Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	3	1.3	75/63	26.6	20.7	29.7	1.1	23.3	30	3	1.8	60	15.3	12.2	1.1	4.0
			80/67	28.3	21.2	31.4	1.2	24.4				70	15.2	11.6	1.3	3.6
			85/71	29.9	21.9	33.2	1.2	25.5				80	15.0	11.1	1.4	3.1
	4.5	2.6	75/63	27.5	21.0	30.2	1.0	27.2		4.5	3.3	60	17.2	13.8	1.1	4.4
			80/67	29.2	21.6	32.0	1.0	28.8				70	16.9	13.1	1.3	3.9
			85/71	31.0	22.1	33.8	1.0	30.5				80	16.7	12.6	1.4	3.4
	6	4.3	75/63	27.9	21.2	30.4	0.9	29.6		6	5.4	60	17.9	14.5	1.1	4.6
			80/67	29.6	21.9	32.2	0.9	31.6				70	17.6	13.7	1.3	4.0
			85/71	31.5	22.4	34.1	0.9	33.7				80	17.3	13.3	1.4	3.5
60	3	1.2	75/63	25.6	20.2	29.1	1.3	19.6	40	3	1.6	60	17.5	14.3	1.1	4.5
			80/67	27.2	20.8	30.8	1.3	20.5				70	17.4	13.7	1.3	4.0
			85/71	28.8	21.3	32.5	1.3	21.4				80	17.3	13.1	1.4	3.5
	4.5	2.5	75/63	26.4	20.5	29.6	1.2	22.5		4.5	3.1	60	19.9	16.5	1.2	5.0
			80/67	28.0	21.2	31.3	1.2	23.7				70	19.6	15.6	1.3	4.3
			85/71	29.8	21.7	33.1	1.2	25.0				80	19.2	14.8	1.5	3.8
	6	4.1	75/63	26.8	20.8	29.8	1.1	24.1		6	5.0	60	20.6	17.3	1.2	5.1
			80/67	28.5	21.4	31.6	1.1	25.7				70	20.3	16.3	1.3	4.5
			85/71	30.3	22.0	33.4	1.1	27.3				80	19.8	15.6	1.5	3.9
70	3	1.2	75/63	24.5	19.9	28.5	1.5	16.6	50	3	1.5	60	19.9	16.5	1.2	5.0
			80/67	26.0	20.5	30.1	1.5	17.3				70	19.8	15.9	1.3	4.4
			85/71	27.6	21.0	31.8	1.5	18.0				80	19.6	15.2	1.5	3.9
	4.5	2.3	75/63	25.3	20.2	28.9	1.3	18.8		4.5	2.9	60	22.8	19.2	1.2	5.5
			80/67	26.9	20.8	30.6	1.4	19.8				70	22.5	18.5	1.4	4.8
			85/71	28.6	21.4	32.4	1.4	20.8				80	22.0	17.5	1.5	4.2
	6	3.8	75/63	25.7	20.4	29.2	1.3	20.0		6	4.7	60	23.8	20.3	1.2	5.6
			80/67	27.4	21.0	30.9	1.3	21.3				70	23.3	19.2	1.4	4.9
			85/71	29.1	21.6	32.7	1.3	22.5				80	22.9	18.2	1.5	4.3
80	3	1.1	75/63	23.5	19.3	28.0	1.7	14.0	60	3	1.4	60	22.5	18.9	1.2	5.4
			80/67	24.9	20.0	29.6	1.7	14.6				70	22.3	18.3	1.4	4.8
			85/71	26.4	20.7	31.2	1.7	15.2				80	22.0	17.5	1.5	4.2
	4.5	2.2	75/63	24.2	19.7	28.4	1.5	15.8		4.5	2.7	60	25.8	22.1	1.3	6.0
			80/67	25.8	20.2	30.0	1.6	16.6				70	25.4	21.2	1.4	5.3
			85/71	27.4	21.0	31.7	1.6	17.5				80	25.0	20.3	1.6	4.6
	6	3.6	75/63	24.6	19.8	28.6	1.5	16.8		6	4.4	60	27.1	23.4	1.3	6.2
			80/67	26.2	20.5	30.2	1.5	17.8				70	26.6	22.2	1.4	5.4
			85/71	27.9	21.0	32.0	1.5	18.8				80	25.9	21.1	1.6	4.7
90	3	1.0	75/63	22.4	19.0	27.5	1.9	11.9	70	3	1.3	60	25.1	21.5	1.3	5.9
			80/67	23.8	19.5	29.1	1.9	12.4				70	24.9	20.7	1.4	5.2
			85/71	25.3	20.1	30.7	2.0	12.9				80	24.6	19.9	1.6	4.6
	4.5	2.1	75/63	23.2	19.2	27.8	1.7	13.3		4.5	2.6	60	28.9	25.1	1.3	6.5
			80/67	24.6	19.9	29.4	1.8	14.0				70	28.5	24.2	1.5	5.7
			85/71	26.1	20.6	31.1	1.8	14.7				80	28.0	23.1	1.6	5.0
	6	3.4	75/63	23.5	19.5	28.0	1.7	14.1		6	4.1	60	30.5	26.7	1.3	6.7
			80/67	25.0	20.1	29.6	1.7	14.9				70	29.9	25.5	1.5	5.9
			85/71	26.7	20.5	31.4	1.7	15.7				80	29.2	24.2	1.7	5.1
100	3	1.0	75/63	21.3	18.6	27.1	2.1	10.0	80	3	1.2	60	27.9	24.1	1.3	6.3
			80/67	22.7	19.1	28.6	2.2	10.4				70	27.6	23.3	1.5	5.6
			85/71	24.0	20.1	30.1	2.2	10.9				80	27.3	22.5	1.6	4.9
	4.5	2.0	75/63	22.0	18.7	27.4	2.0	11.2		4.5	2.4	60	32.2	28.2	1.4	7.0
			80/67	23.4	19.5	28.9	2.0	11.7				70	31.6	27.1	1.5	6.1
			85/71	24.9	20.2	30.5	2.0	12.4				80	31.2	26.1	1.7	5.4
	6	3.3	75/63	22.4	18.9	27.5	1.9	11.8		6	3.9	60	34.0	30.2	1.4	7.2
			80/67	23.9	19.5	29.1	1.9	12.5				70	33.3	28.7	1.5	6.3
			85/71	25.4	20.2	30.7	1.9	13.1				80	32.6	27.4	1.7	5.5
110	3	0.9	75/63	20.0	18.1	26.7	2.4	8.2	90	3	1.2	60	30.7	26.9	1.3	6.8
			80/67	21.0	18.8	28.0	2.5	8.5				70	30.4	26.0	1.5	5.9
			85/71	23.7	15.8	30.2	2.5	9.5				80	30.1	25.1	1.7	5.2
	4.5	1.9	75/63	20.8	18.4	26.9	2.2	9.3		4.5	2.3	60	35.5	31.5	1.4	7.4
			80/67	22.3	18.9	28.5	2.3	9.9				70	34.9	30.3	1.6	6.5
			85/71	23.5	20.0	30.0	2.3	10.3				80	34.4	29.1	1.8	5.7
	6	3.1	75/63	21.2	18.5	27.1	2.2	9.8		6	3.7	60	37.7	33.6	1.4	7.7
			80/67	22.6	19.2	28.6	2.2	10.4				70	36.8	32.1	1.6	6.7
			85/71	24.1	20.1	30.2	2.2	11.0				80	36.1	30.7	1.8	5.9

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP024-1CS + BMAC2430BBTA (806 CFM) Part Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	3	1.4	75/63	20.0	15.6	21.6	0.7	30.2	30	3	1.7	60	12.5	10.2	0.9	4.2
			80/67	21.2	15.9	22.8	0.7	32.6				70	11.2	8.6	1.0	3.4
			85/71	22.5	16.3	24.1	0.6	35.1				80	8.6	5.9	1.1	2.4
	4.5	2.7	75/63	20.6	15.7	22.0	0.6	35.1		4.5	3.3	60	13.4	11.1	0.9	4.5
			80/67	21.8	16.1	23.2	0.6	38.4				70	12.2	9.6	1.0	3.7
			85/71	23.1	16.6	24.5	0.5	42.0				80	9.8	7.0	1.1	2.7
	6	4.4	75/63	20.8	15.9	22.2	0.5	38.1		6	5.3	60	13.9	11.6	0.9	4.7
			80/67	22.1	16.3	23.4	0.5	42.1				70	12.7	10.1	1.0	3.8
			85/71	23.4	16.7	24.7	0.5	46.6				80	10.7	7.8	1.1	2.9
60	3	1.3	75/63	19.1	15.1	21.0	0.8	23.9	40	3	1.6	60	13.9	11.6	0.9	4.7
			80/67	20.3	15.5	22.2	0.8	25.7				70	12.8	10.2	1.0	3.9
			85/71	21.4	16.0	23.4	0.8	27.5				80	9.5	6.8	1.1	2.6
	4.5	2.5	75/63	19.6	15.4	21.4	0.7	27.2		4.5	3.1	60	15.1	12.8	0.9	5.1
			80/67	20.8	15.8	22.6	0.7	29.6				70	14.1	11.4	1.0	4.2
			85/71	22.1	16.3	23.8	0.7	32.0				80	12.6	9.6	1.1	3.4
	6	4.1	75/63	19.9	15.5	21.5	0.7	29.2		6	4.9	60	15.7	13.4	0.9	5.3
			80/67	21.1	15.9	22.8	0.7	31.9				70	14.7	12.0	1.0	4.4
			85/71	22.4	16.4	24.1	0.6	34.9				80	13.3	10.4	1.1	3.6
70	3	1.2	75/63	18.2	14.7	20.5	0.9	19.3	50	3	1.5	60	15.6	13.3	0.9	5.3
			80/67	19.3	15.1	21.6	0.9	20.6				70	14.6	12.1	1.0	4.4
			85/71	20.4	15.7	22.8	0.9	22.0				80	13.2	10.2	1.1	3.5
	4.5	2.4	75/63	18.6	15.0	20.8	0.9	21.6		4.5	2.9	60	17.1	14.8	0.9	5.8
			80/67	19.8	15.5	22.0	0.8	23.3				70	16.2	13.5	1.0	4.8
			85/71	21.1	15.9	23.2	0.8	25.2				80	15.1	12.0	1.1	4.0
	6	3.9	75/63	18.9	15.1	20.9	0.8	23.0		6	4.6	60	17.8	15.5	0.9	6.0
			80/67	20.1	15.6	22.1	0.8	24.9				70	16.9	14.3	1.0	5.0
			85/71	21.4	16.0	23.4	0.8	27.1				80	15.8	12.7	1.1	4.2
80	3	1.1	75/63	17.3	14.3	19.9	1.1	15.7	60	3	1.4	60	17.3	14.9	0.9	5.8
			80/67	18.4	14.8	21.1	1.1	16.8				70	16.4	13.7	1.0	4.9
			85/71	19.5	15.3	22.2	1.1	17.9				80	15.3	12.2	1.1	4.0
	4.5	2.2	75/63	17.7	14.6	20.2	1.0	17.4		4.5	2.7	60	19.0	16.6	0.9	6.4
			80/67	18.9	15.0	21.4	1.0	18.8				70	18.1	15.5	1.0	5.4
			85/71	20.0	15.5	22.6	1.0	20.1				80	17.2	13.9	1.1	4.5
	6	3.7	75/63	18.0	14.6	20.4	1.0	18.4		6	4.3	60	19.8	17.4	0.9	6.7
			80/67	19.1	15.2	21.5	1.0	19.9				70	19.0	16.1	1.0	5.6
			85/71	20.4	15.5	22.8	0.9	21.5				80	17.9	14.7	1.1	4.7
90	3	1.1	75/63	16.3	14.0	19.4	1.3	12.8	70	3	1.3	60	19.2	16.8	0.9	6.5
			80/67	17.4	14.4	20.6	1.3	13.7				70	18.4	15.8	1.0	5.4
			85/71	18.5	15.0	21.7	1.3	14.6				80	17.4	14.6	1.1	4.5
	4.5	2.1	75/63	16.7	14.2	19.7	1.2	14.1		4.5	2.5	60	21.1	18.9	0.9	7.1
			80/67	17.8	14.7	20.8	1.2	15.2				70	20.3	17.7	1.0	5.9
			85/71	19.0	15.1	22.0	1.2	16.3				80	19.4	16.1	1.1	5.0
	6	3.5	75/63	17.0	14.2	19.8	1.1	14.9		6	4.1	60	22.0	19.8	0.9	7.4
			80/67	18.1	14.7	21.0	1.1	16.0				70	21.1	18.3	1.0	6.2
			85/71	19.3	15.2	22.2	1.1	17.3				80	20.2	17.4	1.1	5.2
100	3	1.0	75/63	15.4	13.6	19.0	1.5	10.5	80	3	1.2	60	21.4	19.1	0.9	7.2
			80/67	16.4	14.2	20.0	1.5	11.2				70	20.6	17.9	1.0	6.0
			85/71	17.3	14.8	21.1	1.5	11.9				80	19.7	16.4	1.1	5.1
	4.5	2.0	75/63	15.8	13.8	19.2	1.4	11.5		4.5	2.4	60	23.5	21.3	0.9	7.8
			80/67	16.9	14.3	20.3	1.4	12.4				70	22.6	20.0	1.0	6.5
			85/71	18.0	14.7	21.4	1.4	13.3				80	21.6	18.4	1.2	5.5
	6	3.3	75/63	16.0	13.9	19.3	1.3	12.0		6	3.8	60	24.4	22.3	0.9	8.1
			80/67	17.1	14.4	20.4	1.3	13.0				70	23.5	20.9	1.0	6.8
			85/71	18.2	14.9	21.6	1.3	14.0				80	22.5	19.3	1.2	5.7
110	3	0.9	75/63	14.3	13.3	18.5	1.7	8.6	90	3	1.1	60	22.5	20.3	0.9	7.5
			80/67	15.1	13.8	19.4	1.7	9.0				70	21.7	19.1	1.0	6.3
			85/71	15.8	14.3	20.3	1.7	9.4				80	20.8	17.6	1.1	5.3
	4.5	1.9	75/63	14.8	13.4	18.7	1.6	9.4		4.5	2.2	60	24.7	22.5	0.9	8.2
			80/67	15.7	14.1	19.7	1.6	10.0				70	23.8	21.1	1.0	6.8
			85/71	16.7	14.6	20.8	1.6	10.7				80	22.1	31.7	1.2	5.5
	6	3.1	75/63	15.0	13.5	18.8	1.5	9.8		6	3.6	60	25.7	23.5	0.9	8.4
			80/67	16.0	14.1	19.9	1.5	10.5				70	24.7	21.9	1.0	7.1
			85/71	17.2	14.2	21.1	1.5	11.4				80	22.6	36.8	1.2	5.6

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP036-1CS + BMAC3036BBTA (1214 CFM) Full Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	4.5	1.0	75/63	39.3	30.7	44.7	1.8	21.3	30	4.5	1.4	60	26.1	21.2	1.6	4.7
			80/67	41.7	31.5	47.3	1.9	22.2				70	25.9	20.3	1.8	4.2
			85/71	44.2	32.3	49.9	1.9	23.1				80	25.6	19.4	2.0	3.7
	6.75	2.1	75/63	40.4	31.2	45.4	1.7	23.8		6.75	2.6	60	28.2	22.9	1.7	5.0
			80/67	42.9	32.2	48.0	1.7	24.9				70	27.6	22.1	1.9	4.4
			85/71	45.6	33.1	50.9	1.7	26.2				80	27.2	21.0	2.1	3.9
	9	3.4	75/63	40.9	31.4	45.7	1.6	25.2		9	4.2	60	29.0	24.1	1.7	5.1
			80/67	43.5	32.5	48.5	1.6	26.5				70	28.5	23.0	1.9	4.5
			85/71	46.4	33.1	51.4	1.7	28.0				80	28.6	22.0	2.1	4.0
60	4.5	1.0	75/63	37.7	30.2	43.8	2.1	18.4	40	4.5	1.3	60	29.7	24.6	1.7	5.2
			80/67	40.1	31.1	46.3	2.1	19.2				70	29.5	23.7	1.9	4.6
			85/71	42.5	32.0	48.8	2.1	20.1				80	29.1	22.7	2.1	4.1
	6.75	1.9	75/63	38.8	30.7	44.4	1.9	20.5		6.75	2.5	60	32.5	27.0	1.7	5.5
			80/67	41.3	31.6	47.0	1.9	21.5				70	32.2	25.9	1.9	4.9
			85/71	43.9	32.5	49.7	1.9	22.7				80	31.7	24.6	2.1	4.3
	9	3.2	75/63	39.4	30.9	44.7	1.8	21.6		9	4.0	60	33.5	29.3	1.7	5.6
			80/67	41.9	31.8	47.4	1.8	22.8				70	33.0	27.2	1.9	5.0
			85/71	44.7	32.5	50.3	1.9	24.1				80	33.3	26.7	2.2	4.5
70	4.5	0.9	75/63	36.3	29.5	43.0	2.3	15.9	50	4.5	1.2	60	33.7	28.4	1.7	5.7
			80/67	38.6	30.3	45.4	2.3	16.6				70	33.3	27.3	1.9	5.0
			85/71	40.9	31.2	47.9	2.4	17.4				80	33.0	26.2	2.2	4.5
	6.75	1.8	75/63	37.3	30.0	43.5	2.1	17.6		6.75	2.3	60	37.2	31.6	1.8	6.1
			80/67	39.8	30.8	46.1	2.1	18.6				70	36.6	30.2	2.0	5.4
			85/71	42.2	31.9	48.6	2.2	19.6				80	35.8	29.0	2.2	4.7
	9	3.0	75/63	37.9	30.1	43.8	2.0	18.6		9	3.7	60	38.8	33.0	1.8	6.3
			80/67	40.3	31.2	46.4	2.1	19.6				70	38.2	31.6	2.0	5.6
			85/71	42.9	32.2	49.1	2.1	20.8				80	37.4	30.1	2.2	4.9
80	4.5	0.9	75/63	34.7	29.0	42.2	2.6	13.6	60	4.5	1.1	60	37.9	32.4	1.8	6.2
			80/67	37.0	29.7	44.6	2.6	14.3				70	37.4	31.3	2.0	5.5
			85/71	39.1	30.9	46.9	2.6	15.0				80	37.0	30.1	2.2	4.8
	6.75	1.7	75/63	35.8	29.2	42.7	2.4	15.1		6.75	2.2	60	42.1	36.2	1.9	6.6
			80/67	38.1	30.3	45.1	2.4	15.9				70	41.4	34.7	2.1	5.9
			85/71	40.5	31.1	47.7	2.4	16.9				80	40.8	33.3	2.3	5.2
	9	2.9	75/63	36.3	29.6	42.9	2.3	15.9		9	3.5	60	43.8	38.1	1.9	6.8
			80/67	38.7	30.4	45.5	2.3	16.8				70	43.3	36.4	2.1	6.0
			85/71	41.2	31.5	48.0	2.3	17.9				80	42.6	34.8	2.3	5.3
90	4.5	0.8	75/63	33.2	28.4	41.6	2.9	11.6	70	4.5	1.0	60	42.2	36.6	1.9	6.6
			80/67	35.2	29.4	43.8	2.9	12.1				70	41.8	35.4	2.1	5.9
			85/71	37.5	30.2	46.2	2.9	12.9				80	41.3	34.1	2.3	5.2
	6.75	1.6	75/63	34.2	28.8	41.9	2.7	12.8		6.75	2.0	60	47.2	41.2	1.9	7.1
			80/67	36.5	29.5	44.3	2.7	13.6				70	46.4	39.5	2.2	6.3
			85/71	38.8	30.5	46.8	2.7	14.4				80	45.4	38.0	2.4	5.6
	9	2.7	75/63	34.6	28.9	42.2	2.6	13.5		9	3.3	60	49.4	43.1	2.0	7.3
			80/67	37.0	29.7	44.6	2.6	14.3				70	48.7	41.4	2.2	6.5
			85/71	39.4	30.7	47.1	2.6	15.2				80	47.4	39.9	2.4	5.7
100	4.5	0.8	75/63	31.6	27.7	41.1	3.2	9.8	80	4.5	1.0	60	46.9	41.0	1.9	7.1
			80/67	33.7	28.7	43.3	3.3	10.4				70	46.3	39.7	2.2	6.3
			85/71	35.7	30.1	45.5	3.3	10.9				80	45.8	38.4	2.4	5.6
	6.75	1.6	75/63	32.5	28.1	41.3	3.0	10.8		6.75	1.9	60	52.2	46.4	2.0	7.6
			80/67	34.8	28.9	43.6	3.0	11.5				70	51.4	44.6	2.2	6.7
			85/71	37.0	30.0	46.0	3.0	12.2				80	50.6	42.9	2.5	6.0
	9	2.6	75/63	33.1	28.1	41.5	2.9	11.4		9	3.1	60	54.8	49.0	2.1	7.8
			80/67	35.2	29.4	43.8	2.9	12.1				70	53.9	46.5	2.3	6.9
			85/71	37.5	30.5	46.2	2.9	12.9				80	52.8	45.1	2.5	6.1
110	4.5	0.7	75/63	29.9	27.2	40.5	3.6	8.3	90	4.5	0.9	60	51.6	45.6	2.0	7.5
			80/67	32.0	27.6	43.0	3.7	8.6				70	51.0	44.2	2.2	6.7
			85/71	32.0	27.0	45.4	4.4	7.2				80	50.4	42.8	2.5	6.0
	6.75	1.5	75/63	31.0	27.4	40.9	3.4	9.1		6.75	1.8	60	57.9	51.6	2.1	8.1
			80/67	33.0	28.6	43.1	3.4	9.7				70	57.0	49.6	2.3	7.2
			85/71	35.3	29.3	45.4	3.4	10.3				80	55.8	47.9	2.6	6.4
	9	2.5	75/63	31.3	27.8	40.9	3.3	9.5		9	3.0	60	60.6	54.6	2.1	8.3
			80/67	33.6	28.4	43.3	3.3	10.2				70	59.4	52.7	2.4	7.4
			85/71	35.8	29.6	45.6	3.3	10.9				80	58.4	50.3	2.6	6.5

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP036-1CS + BMAC3036BBTA (881CFM) Part Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	4.5	1.1	75/63	29.5	22.7	32.3	1.0	28.9	30	4.5	1.4	60	20.6	16.2	1.5	4.1
			80/67	31.3	23.4	34.1	1.0	31.0				70	19.9	15.3	1.6	3.5
			85/71	33.2	24.0	36.0	1.0	33.3				80	18.7	13.3	1.9	3.0
	6.75	2.1	75/63	30.2	23.0	32.7	0.9	33.3		6.75	2.6	60	21.8	17.5	1.5	4.4
			80/67	32.1	23.7	34.5	0.9	36.3				70	20.9	16.1	1.6	3.7
			85/71	34.1	24.2	36.5	0.9	39.6				80	20.0	14.4	1.9	3.2
	9	3.4	75/63	30.6	23.2	32.9	0.9	35.9		9	4.2	60	22.3	18.0	1.5	4.5
			80/67	32.5	23.9	34.8	0.8	39.6				70	21.3	16.5	1.6	3.8
			85/71	34.6	24.4	36.8	0.8	43.8				80	20.4	14.8	1.9	3.2
60	4.5	1.0	75/63	28.2	22.3	31.6	1.2	23.0	40	4.5	1.3	60	22.9	18.6	1.5	4.6
			80/67	30.0	22.9	33.4	1.2	24.6				70	22.3	17.3	1.7	4.0
			85/71	31.9	23.4	35.3	1.2	26.2				80	21.6	16.0	1.9	3.4
	6.75	2.0	75/63	28.9	22.6	32.0	1.1	25.9		6.75	2.4	60	24.6	20.3	1.5	4.9
			80/67	30.8	23.1	33.8	1.1	28.1				70	23.8	18.8	1.7	4.2
			85/71	32.7	23.7	35.8	1.1	30.3				80	23.1	17.5	1.9	3.6
	9	3.2	75/63	29.2	22.7	32.2	1.1	27.6		9	3.9	60	25.2	21.0	1.5	5.0
			80/67	31.2	23.2	34.0	1.0	30.1				70	24.4	19.6	1.7	4.3
			85/71	33.2	23.9	36.0	1.0	32.8				80	23.7	17.9	1.9	3.7
70	4.5	0.9	75/63	26.9	21.8	30.9	1.4	18.7	50	4.5	1.2	60	25.9	21.7	1.5	5.2
			80/67	28.7	22.3	32.7	1.4	19.9				70	25.1	20.1	1.7	4.4
			85/71	30.5	22.9	34.5	1.4	21.1				80	24.5	18.9	1.9	3.8
	6.75	1.9	75/63	27.6	22.0	31.3	1.3	20.8		6.75	2.3	60	27.8	23.7	1.5	5.5
			80/67	29.4	22.7	33.1	1.3	22.3				70	27.1	22.0	1.7	4.7
			85/71	31.3	23.2	35.0	1.3	24.0				80	26.4	20.8	1.9	4.1
	9	3.0	75/63	28.0	22.0	31.5	1.3	21.9		9	3.7	60	28.7	24.2	1.5	5.7
			80/67	29.8	22.7	33.3	1.3	23.7				70	28.0	22.8	1.7	4.9
			85/71	31.7	23.5	35.2	1.2	25.6				80	27.3	21.4	1.9	4.2
80	4.5	0.9	75/63	25.7	21.1	30.3	1.7	15.3	60	4.5	1.1	60	28.9	24.7	1.5	5.7
			80/67	27.4	21.8	32.0	1.7	16.3				70	28.2	23.1	1.7	4.9
			85/71	29.1	22.4	33.8	1.7	17.3				80	27.7	22.0	1.9	4.3
	6.75	1.8	75/63	26.3	21.5	30.6	1.6	16.8		6.75	2.1	60	31.2	26.7	1.5	6.2
			80/67	28.1	22.0	32.4	1.6	18.1				70	30.6	25.4	1.7	5.3
			85/71	29.8	22.8	34.2	1.5	19.3				80	30.0	24.3	1.9	4.6
	9	2.9	75/63	26.7	21.5	30.8	1.5	17.7		9	3.5	60	32.4	27.9	1.5	6.4
			80/67	28.4	22.3	32.5	1.5	19.0				70	31.7	26.4	1.7	5.4
			85/71	30.2	23.0	34.4	1.5	20.4				80	31.1	25.0	1.9	4.7
90	4.5	0.8	75/63	24.4	20.7	29.7	1.9	12.6	70	4.5	1.0	60	32.1	27.5	1.5	6.3
			80/67	26.0	21.4	31.4	1.9	13.4				70	31.6	26.4	1.7	5.4
			85/71	27.7	22.0	33.1	1.9	14.2				80	31.1	25.2	1.9	4.7
	6.75	1.7	75/63	25.0	20.8	30.0	1.8	13.8		6.75	2.0	60	34.9	30.3	1.5	6.8
			80/67	26.7	21.5	31.7	1.8	14.8				70	34.3	29.0	1.7	5.8
			85/71	28.4	22.2	33.5	1.8	15.8				80	33.7	27.7	2.0	5.0
	9	2.7	75/63	25.3	21.1	30.1	1.8	14.4		9	3.3	60	36.3	32.1	1.5	7.0
			80/67	27.0	21.8	31.9	1.7	15.5				70	35.7	30.2	1.7	6.0
			85/71	28.8	22.3	33.7	1.7	16.6				80	35.0	28.7	2.0	5.2
100	4.5	0.8	75/63	23.1	20.2	29.2	2.2	10.4	80	4.5	1.0	60	35.5	31.0	1.5	6.9
			80/67	24.7	20.8	30.9	2.2	11.1				70	35.0	29.8	1.7	5.9
			85/71	26.2	21.6	32.5	2.2	11.7				80	34.6	28.6	2.0	5.1
	6.75	1.6	75/63	23.7	20.3	29.5	2.1	11.3		6.75	1.9	60	38.9	34.2	1.6	7.3
			80/67	25.3	21.0	31.1	2.1	12.1				70	38.2	32.8	1.8	6.3
			85/71	26.9	21.8	32.8	2.1	12.9				80	37.6	31.4	2.0	5.4
	9	2.6	75/63	23.9	20.5	29.5	2.0	11.7		9	3.1	60	40.5	36.1	1.6	7.5
			80/67	25.6	21.1	31.3	2.0	12.6				70	39.8	34.2	1.8	6.5
			85/71	27.3	21.8	33.0	2.0	13.5				80	39.0	32.6	2.0	5.6
110	4.5	0.7	75/63	21.7	19.6	28.8	2.6	8.5	90	4.5	0.9	60	39.2	34.5	1.6	7.4
			80/67	23.3	20.3	30.4	2.6	9.1				70	38.6	33.3	1.8	6.3
			85/71	24.7	21.2	32.0	2.6	9.6				80	38.2	32.0	2.0	5.5
	6.75	1.5	75/63	22.3	19.9	29.0	2.4	9.2		6.75	1.8	60	42.9	38.1	1.6	7.8
			80/67	23.8	20.6	30.6	2.4	9.9				70	42.2	36.6	1.8	6.7
			85/71	25.4	21.3	32.2	2.4	10.6				80	41.5	35.1	2.1	5.8
	9	2.5	75/63	22.6	19.8	29.1	2.4	9.6		9	2.9	60	44.7	40.3	1.7	7.9
			80/67	24.1	20.7	30.7	2.3	10.3				70	44.0	38.1	1.9	6.8
			85/71	25.8	21.5	32.4	2.3	11.0				80	43.1	36.3	2.1	5.9

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP048-1CS + BMAC4248CBTA (1641 CFM) Full Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	6	1.5	75/63	52.3	41.6	59.4	2.4	21.7	30	6	2.0	60	32.3	24.8	2.3	4.1
			80/67	55.6	42.8	63.0	2.5	22.5				70	31.8	23.7	2.6	3.6
			85/71	59.0	44.0	66.7	2.5	23.3				80	32.2	22.8	2.9	3.2
	9	3.0	75/63	54.1	42.0	60.4	2.2	25.0		9	3.8	60	34.4	26.3	2.3	4.3
			80/67	57.5	43.3	64.2	2.2	26.0				70	34.3	25.7	2.7	3.8
			85/71	61.2	44.5	68.1	2.3	26.9				80	33.5	24.2	3.0	3.3
	12	4.9	75/63	54.7	42.6	60.8	2.0	27.0		12	6.1	60	35.7	28.2	2.4	4.4
			80/67	58.3	44.1	64.6	2.1	28.2				70	35.7	27.7	2.7	3.9
			85/71	62.2	44.9	68.7	2.1	29.2				80	35.8	26.3	3.0	3.5
60	6	1.4	75/63	50.4	40.5	58.4	2.7	18.7	40	6	1.8	60	36.7	29.4	2.4	4.5
			80/67	53.6	41.8	61.8	2.8	19.4				70	36.3	28.1	2.7	3.9
			85/71	57.0	42.8	65.5	2.8	20.2				80	36.0	26.5	3.0	3.5
	9	2.8	75/63	51.9	41.4	59.2	2.5	21.0		9	3.6	60	39.1	31.2	2.4	4.7
			80/67	55.3	42.7	62.8	2.5	22.0				70	38.8	30.4	2.7	4.1
			85/71	58.9	43.7	66.7	2.6	23.0				80	38.2	29.2	3.1	3.7
	12	4.6	75/63	52.8	41.5	59.8	2.3	22.5		12	5.7	60	40.1	32.6	2.5	4.8
			80/67	56.3	42.8	63.5	2.4	23.6				70	39.8	31.6	2.8	4.2
			85/71	60.0	44.0	67.4	2.4	24.7				80	40.1	30.4	3.1	3.8
70	6	1.3	75/63	48.3	39.7	57.2	3.0	16.1	50	6	1.7	60	41.7	34.0	2.5	4.9
			80/67	51.5	40.8	60.6	3.1	16.8				70	41.4	32.4	2.8	4.3
			85/71	54.5	42.4	63.8	3.1	17.5				80	40.8	30.9	3.1	3.8
	9	2.7	75/63	49.9	40.4	58.1	2.8	18.0		9	3.3	60	44.4	36.5	2.6	5.1
			80/67	53.3	41.5	61.7	2.8	18.9				70	43.6	35.0	2.9	4.5
			85/71	56.7	42.8	65.2	2.9	19.8				80	43.2	33.3	3.2	4.0
	12	4.4	75/63	50.7	40.7	58.6	2.7	19.1		12	5.4	60	46.0	38.0	2.6	5.2
			80/67	54.1	42.0	62.1	2.7	20.2				70	45.3	36.0	2.9	4.6
			85/71	57.6	43.3	65.8	2.7	21.1				80	45.0	35.2	3.2	4.1
80	6	1.2	75/63	46.2	38.9	56.1	3.3	13.8	60	6	1.6	60	47.0	38.9	2.6	5.3
			80/67	49.0	40.5	59.1	3.4	14.5				70	46.8	37.3	2.9	4.7
			85/71	52.3	41.3	62.6	3.5	15.2				80	45.8	35.8	3.2	4.1
	9	2.5	75/63	47.8	39.5	56.9	3.1	15.4		9	3.1	60	50.3	42.0	2.7	5.5
			80/67	51.0	40.7	60.3	3.1	16.3				70	49.5	40.2	3.0	4.8
			85/71	54.1	42.2	63.7	3.2	17.1				80	48.7	38.5	3.3	4.3
	12	4.2	75/63	48.6	39.8	57.4	3.0	16.4		12	5.1	60	52.2	43.8	2.7	5.6
			80/67	51.9	41.0	60.8	3.0	17.3				70	51.4	41.9	3.0	5.0
			85/71	55.2	42.4	64.4	3.0	18.2				80	50.5	39.8	3.4	4.4
90	6	1.2	75/63	44.0	38.2	54.9	3.7	11.8	70	6	1.5	60	52.6	44.1	2.7	5.6
			80/67	47.1	38.9	58.3	3.8	12.5				70	52.0	42.5	3.1	5.0
			85/71	50.1	40.0	61.5	3.8	13.1				80	51.2	40.7	3.4	4.4
	9	2.4	75/63	45.4	38.8	55.6	3.5	13.2		9	3.0	60	56.8	47.6	2.9	5.8
			80/67	48.7	39.8	59.0	3.5	14.0				70	55.7	45.9	3.1	5.2
			85/71	51.9	41.0	62.4	3.5	14.7				80	54.7	43.7	3.5	4.6
	12	4.0	75/63	46.4	38.8	56.2	3.3	14.0		12	4.8	60	59.0	50.1	2.9	5.9
			80/67	49.6	40.1	59.5	3.3	14.8				70	57.8	47.8	3.2	5.3
			85/71	52.8	41.5	62.9	3.4	15.6				80	56.8	45.8	3.5	4.7
100	6	1.1	75/63	41.9	37.2	54.2	4.2	10.1	80	6	1.4	60	58.5	49.6	2.9	5.9
			80/67	44.4	38.8	57.1	4.2	10.5				70	57.7	47.7	3.2	5.3
			85/71	48.4	37.0	60.8	4.3	11.3				80	57.0	46.0	3.5	4.7
	9	2.3	75/63	43.4	37.8	54.8	3.9	11.2		9	2.8	60	63.3	53.9	3.0	6.1
			80/67	46.3	39.0	57.9	3.9	11.9				70	62.3	51.5	3.3	5.5
			85/71	49.4	40.2	61.1	3.9	12.5				80	61.1	49.6	3.6	4.9
	12	3.8	75/63	44.1	38.1	55.1	3.7	11.9		12	4.6	60	66.0	56.4	3.1	6.2
			80/67	47.1	39.4	58.3	3.7	12.6				70	64.6	54.0	3.4	5.6
			85/71	50.6	39.9	61.7	3.8	13.4				80	63.4	51.7	3.7	5.0
110	6	1.0	75/63	38.8	36.0	53.0	4.6	8.4	90	6	1.3	60	64.6	55.2	3.1	6.2
			80/67	40.4	37.3	55.3	4.7	8.6				70	63.7	53.2	3.4	5.5
			85/71	43.2	39.0	58.3	4.7	9.1				80	62.9	51.3	3.7	5.0
	9	2.2	75/63	41.0	36.8	53.9	4.4	9.4		9	2.7	60	70.1	60.1	3.2	6.4
			80/67	44.6	36.3	57.3	4.4	10.1				70	68.9	57.9	3.5	5.7
			85/71	46.8	39.3	60.0	4.4	10.6				80	67.5	55.5	3.8	5.1
	12	3.6	75/63	41.7	37.2	54.0	4.2	9.9		12	4.4	60	73.2	62.9	3.3	6.5
			80/67	44.9	38.4	57.4	4.2	10.7				70	71.8	60.6	3.6	5.8
			85/71	47.5	40.3	60.3	4.2	11.2				80	70.3	58.0	3.9	5.2

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP048-1CS + BMAC4248CBTA (1351 CFM) Part Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	6	1.5	75/63	40.5	32.8	44.2	1.3	30.1	30	6	1.9	60	23.3	18.2	1.8	3.9
			80/67	43.0	34.0	46.8	1.3	32.0				70	22.6	16.6	2.0	3.3
			85/71	45.9	35.0	49.7	1.3	34.2				80	21.9	15.2	2.3	2.8
	9	3.0	75/63	41.7	33.5	45.0	1.2	35.0		9	3.7	60	24.4	19.0	1.8	4.0
			80/67	44.5	34.4	47.9	1.2	37.8				70	23.4	17.6	2.0	3.4
			85/71	47.5	35.4	50.9	1.2	40.8				80	22.7	15.9	2.3	2.9
	12	4.9	75/63	42.4	33.6	45.5	1.1	38.2		12	6.0	60	24.9	19.6	1.8	4.1
			80/67	45.2	34.8	48.3	1.1	41.6				70	24.0	18.0	2.0	3.5
			85/71	48.3	35.9	51.4	1.1	45.3				80	23.2	16.0	2.3	3.0
60	6	1.4	75/63	38.4	32.0	42.8	1.6	24.1	40	6	1.8	60	27.1	21.8	1.8	4.5
			80/67	40.9	33.0	45.4	1.6	25.5				70	26.3	20.4	2.0	3.9
			85/71	43.5	34.5	48.1	1.6	27.2				80	25.6	18.7	2.3	3.3
	9	2.8	75/63	39.6	32.6	43.6	1.4	27.4		9	3.5	60	28.3	23.3	1.8	4.7
			80/67	42.3	33.5	46.3	1.4	29.3				70	27.5	21.5	2.0	4.0
			85/71	45.1	34.8	49.2	1.4	31.7				80	26.6	19.7	2.3	3.4
	12	4.7	75/63	40.2	32.9	44.0	1.4	29.5		12	5.7	60	29.2	23.8	1.8	4.9
			80/67	43.0	34.0	46.8	1.4	31.8				70	28.1	22.2	2.0	4.1
			85/71	46.0	35.1	49.8	1.3	34.5				80	27.2	20.5	2.3	3.5
70	6	1.5	75/63	36.3	31.3	41.4	1.9	19.6	50	6	1.7	60	30.9	25.7	1.8	5.2
			80/67	38.7	32.3	43.9	1.9	20.7				70	30.1	24.1	2.0	4.4
			85/71	41.2	33.7	46.6	1.9	22.1				80	29.4	22.6	2.3	3.8
	9	2.7	75/63	37.5	31.6	42.2	1.7	22.0		9	3.3	60	32.7	27.5	1.7	5.5
			80/67	40.0	32.8	44.8	1.7	23.5				70	31.7	25.7	2.0	4.6
			85/71	42.7	34.2	47.6	1.7	25.3				80	30.8	23.9	2.3	4.0
	12	4.4	75/63	38.1	32.0	42.6	1.6	23.4		12	5.3	60	33.6	28.5	1.7	5.6
			80/67	40.7	33.1	45.3	1.6	25.1				70	32.6	26.7	2.0	4.8
			85/71	43.6	34.2	48.2	1.6	27.2				80	31.5	24.7	2.3	4.1
80	6	1.4	75/63	34.1	30.5	40.1	2.1	16.0	60	6	1.6	60	35.1	29.8	1.7	5.9
			80/67	36.5	31.5	42.6	2.2	17.0				70	34.2	28.2	2.0	5.0
			85/71	39.0	32.7	45.1	2.2	18.1				80	33.5	26.5	2.3	4.3
	9	2.5	75/63	35.4	30.7	40.8	2.0	17.8		9	3.1	60	37.4	32.2	1.8	6.2
			80/67	37.7	32.0	43.3	2.0	19.0				70	36.2	30.2	2.0	5.3
			85/71	40.3	33.3	46.0	2.0	20.4				80	35.2	28.2	2.3	4.5
	12	4.2	75/63	35.9	31.1	41.2	1.9	18.8		12	5.0	60	38.6	33.4	1.8	6.4
			80/67	38.4	32.2	43.8	1.9	20.2				70	37.3	31.3	2.0	5.4
			85/71	41.2	33.3	46.6	1.9	21.9				80	36.2	29.1	2.3	4.6
90	6	1.2	75/63	32.1	29.4	38.9	2.4	13.1	70	6	1.5	60	39.5	34.3	1.8	6.6
			80/67	34.3	30.6	41.2	2.5	13.9				70	38.5	32.4	2.0	5.6
			85/71	36.5	32.2	43.5	2.5	14.8				80	37.7	30.7	2.3	4.8
	9	2.4	75/63	33.1	29.9	39.5	2.3	14.5		9	2.9	60	42.3	37.0	1.8	6.9
			80/67	35.5	31.1	41.9	2.3	15.5				70	41.0	34.9	2.0	5.9
			85/71	38.0	32.3	44.5	2.3	16.6				80	39.9	32.8	2.3	5.0
	12	4.0	75/63	33.7	30.2	39.8	2.2	15.3		12	4.8	60	43.7	38.4	1.8	7.1
			80/67	36.1	31.4	42.3	2.2	16.3				70	42.3	36.2	2.1	6.0
			85/71	38.6	32.8	44.9	2.2	17.6				80	41.1	34.1	2.3	5.1
100	6	1.1	75/63	29.8	28.8	37.6	2.8	10.6	80	6	1.4	60	44.2	38.8	1.8	7.2
			80/67	32.0	29.8	40.0	2.8	11.4				70	43.1	36.8	2.1	6.1
			85/71	35.2	28.0	42.8	2.8	12.5				80	42.2	35.0	2.4	5.3
	9	2.3	75/63	30.8	29.2	38.2	2.6	11.7		9	2.8	60	47.4	41.9	1.8	7.5
			80/67	33.1	30.4	40.5	2.6	12.5				70	46.2	39.9	2.1	6.4
			85/71	35.5	31.6	43.0	2.6	13.5				80	44.9	37.6	2.4	5.5
	12	3.9	75/63	31.4	29.3	38.5	2.5	12.3		12	4.5	60	49.1	43.6	1.9	7.7
			80/67	33.8	30.4	40.9	2.5	13.3				70	47.8	41.4	2.1	6.6
			85/71	36.1	31.9	43.4	2.5	14.3				80	46.4	39.1	2.4	5.6
110	6	1.1	75/63	27.7	27.7	36.6	3.2	8.7	90	6	1.3	60	49.0	43.5	1.9	7.7
			80/67	29.8	29.1	38.8	3.2	9.4				70	48.0	41.6	2.1	6.6
			85/71	31.3	30.7	40.6	3.2	9.8				80	47.0	39.6	2.4	5.7
	9	2.2	75/63	28.7	28.1	37.1	3.0	9.5		9	2.6	60	52.9	47.1	1.9	8.0
			80/67	30.2	29.6	38.8	3.0	10.0				70	51.6	45.0	2.2	6.8
			85/71	33.9	28.3	42.1	3.0	11.3				80	50.2	42.6	2.5	5.9
	12	3.7	75/63	29.2	28.3	37.3	2.9	10.0		12	4.3	60	54.9	49.1	2.0	8.1
			80/67	31.5	29.5	39.7	2.9	10.8				70	53.5	46.8	2.3	7.0
			85/71	34.6	28.3	42.5	2.9	12.0				80	52.0	44.3	2.5	6.0

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP060-1CS + BMAC4860CBTA (1719 CFM) Full Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	7.5	1.8	75/63	62.0	46.3	70.5	2.8	21.9	30	7.5	2.5	60	45.1	35.4	3.1	4.2
			80/67	66.0	47.7	74.7	2.9	23.0				70	44.7	33.8	3.5	3.8
			85/71	70.3	48.8	79.2	2.9	24.2				80	44.5	32.2	3.9	3.4
	11.25	3.7	75/63	63.4	47.1	71.2	2.6	24.4		11.25	4.8	60	48.0	38.1	3.2	4.4
			80/67	67.8	48.2	75.7	2.6	25.8				70	47.4	36.3	3.5	3.9
			85/71	72.1	49.6	80.2	2.6	27.3				80	47.0	34.5	3.9	3.5
	15	6.1	75/63	64.3	47.3	71.7	2.5	25.9		15	7.7	60	49.6	39.6	3.2	4.5
			80/67	68.5	48.8	76.1	2.5	27.5				70	48.9	37.6	3.6	4.0
			85/71	73.1	49.7	80.8	2.5	29.2				80	48.4	35.8	4.0	3.6
60	7.5	1.7	75/63	59.7	45.5	69.3	3.2	18.7	40	7.5	2.3	60	51.3	41.1	3.3	4.6
			80/67	63.6	46.8	73.4	3.2	19.7				70	50.8	39.4	3.6	4.1
			85/71	67.6	47.9	77.6	3.3	20.7				80	50.5	37.6	4.1	3.7
	11.25	3.5	75/63	61.3	46.0	70.1	3.0	20.7		11.25	4.5	60	55.2	44.2	3.4	4.8
			80/67	65.3	47.4	74.4	3.0	21.9				70	54.2	42.4	3.7	4.2
			85/71	69.5	48.7	78.7	3.0	23.2				80	53.6	40.5	4.2	3.8
	15	5.8	75/63	62.0	46.3	70.5	2.8	21.8		15	7.3	60	57.3	45.8	3.4	4.9
			80/67	66.3	47.6	74.9	2.9	23.2				70	56.1	44.1	3.8	4.3
			85/71	70.6	49.0	79.3	2.9	24.7				80	55.3	42.0	4.2	3.9
70	7.5	1.6	75/63	56.8	44.4	67.6	3.6	16.0	50	7.5	2.1	60	57.0	46.6	3.4	4.9
			80/67	60.7	45.5	71.6	3.6	16.9				70	57.4	45.3	3.8	4.4
			85/71	64.7	46.6	75.8	3.6	17.7				80	57.0	43.4	4.3	3.9
	11.25	3.3	75/63	58.8	45.1	68.8	3.3	17.7		11.25	4.2	60	62.6	51.5	3.6	5.1
			80/67	62.8	46.4	72.9	3.3	18.7				70	61.5	49.0	3.9	4.6
			85/71	66.7	48.3	77.1	3.4	19.8				80	60.8	46.9	4.4	4.1
	15	5.5	75/63	59.6	45.4	69.2	3.2	18.6		15	6.8	60	64.9	53.5	3.6	5.2
			80/67	63.6	46.8	73.4	3.2	19.8				70	63.7	51.1	4.0	4.7
			85/71	67.9	48.0	77.7	3.2	21.0				80	62.9	48.8	4.4	4.2
80	7.5	1.6	75/63	54.6	43.2	66.5	4.0	13.7	60	7.5	2.0	60	64.4	52.2	3.6	5.2
			80/67	58.2	44.6	70.3	4.0	14.5				70	62.7	49.7	4.0	4.6
			85/71	62.0	45.8	74.3	4.1	15.3				80	60.1	46.3	4.3	4.1
	11.25	3.2	75/63	56.0	43.7	67.2	3.7	15.0		11.25	4.0	60	67.9	56.6	3.7	5.3
			80/67	59.7	45.3	71.1	3.8	15.9				70	69.1	56.2	4.2	4.9
			85/71	63.8	46.3	75.3	3.8	16.9				80	68.4	53.7	4.6	4.4
	15	5.2	75/63	56.7	44.2	67.5	3.6	15.7		15	6.4	60	72.8	60.8	3.8	5.5
			80/67	60.6	45.4	71.6	3.6	16.8				70	71.9	58.4	4.2	5.0
			85/71	64.8	46.6	75.8	3.6	17.8				80	70.9	56.0	4.7	4.4
90	7.5	1.5	75/63	52.1	42.2	65.4	4.4	11.7	70	7.5	1.9	60	62.3	54.1	3.7	5.0
			80/67	55.6	43.6	69.2	4.5	12.4				70	70.8	57.4	4.2	4.9
			85/71	59.4	44.8	73.2	4.5	13.1				80	68.4	53.6	4.6	4.4
	11.25	3.0	75/63	53.5	42.8	66.0	4.2	12.8		11.25	3.7	60	77.8	64.9	4.0	5.7
			80/67	57.2	44.1	69.9	4.2	13.6				70	73.5	59.4	4.3	5.0
			85/71	61.0	45.6	73.8	4.2	14.4				80	76.2	61.3	4.9	4.6
	15	5.0	75/63	54.2	43.1	66.3	4.0	13.4		15	6.1	60	78.6	67.1	4.0	5.7
			80/67	58.0	44.5	70.2	4.1	14.3				70	80.3	66.1	4.5	5.2
			85/71	61.9	45.8	74.3	4.1	15.2				80	79.3	63.5	5.0	4.7
100	7.5	1.5	75/63	49.6	41.2	64.5	5.0	10.0	80	7.5	1.8	60	80.6	67.5	4.1	5.8
			80/67	52.9	42.7	68.1	5.0	10.5				70	73.6	64.3	4.4	4.9
			85/71	56.4	44.0	71.9	5.1	11.1				80	77.4	61.7	4.9	4.6
	11.25	2.9	75/63	51.0	41.7	65.0	4.7	10.9		11.25	3.6	60	83.9	72.4	4.2	5.9
			80/67	54.6	43.0	68.8	4.7	11.6				70	82.9	69.6	4.6	5.3
			85/71	58.3	44.4	72.7	4.7	12.3				80	83.6	66.8	5.1	4.8
	15	4.8	75/63	51.6	42.0	65.3	4.5	11.4		15	5.8	60	89.0	75.5	4.3	6.1
			80/67	55.3	43.5	69.0	4.6	12.1				70	86.4	71.5	4.7	5.4
			85/71	59.2	44.7	73.1	4.6	12.9				80	87.8	71.2	5.3	4.9
110	7.5	1.4	75/63	47.0	40.0	64.0	5.6	8.3	90	7.5	1.7	60	88.4	74.8	4.3	6.1
			80/67	49.2	41.6	66.7	5.6	8.8				70	87.9	63.8	4.6	5.6
			85/71	53.8	42.0	71.2	5.8	9.3				80	84.5	67.8	5.1	4.8
	11.25	2.8	75/63	48.3	40.7	64.2	5.3	9.1		11.25	3.4	60	94.5	81.4	4.5	6.2
			80/67	51.6	42.2	67.6	5.3	9.7				70	91.7	76.6	4.9	5.5
			85/71	55.2	43.6	71.5	5.3	10.4				80	91.6	74.2	5.4	5.0
	15	4.6	75/63	48.9	41.0	64.3	5.1	9.6		15	5.5	60	97.5	82.9	4.6	6.3
			80/67	52.4	42.6	67.9	5.1	10.2				70	95.8	78.4	5.0	5.6
			85/71	56.2	43.7	71.9	5.2	10.9				80	96.4	79.5	5.6	5.1

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Capacity Data RP060-1CS + BMAC4860CBTA (1409 CFM) Part Load

Cooling									Heating							
Entering FluidTemp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (db/wb) °F	Total Capacity (MBTUH)	Sensible Capacity (MBTUH)	Heat of Rejection (MBTUH)	Power Input (kW)	EER	Entering Fluid Temp (°F)	Water Flow (GPM)	Pressure Drop (PSI)	Entering Air Temp (°F)	Total Capacity (MBTUH)	Heat of Absorption (MBTUH)	Power Input (kW)	COP
50	7.5	1.9	75/63	47.5	36.4	52.3	1.7	28.2	30	7.5	2.4	60	31.4	24.6	2.3	4.1
			80/67	50.5	37.5	55.3	1.7	30.3				70	30.3	22.6	2.6	3.5
			85/71	53.6	38.6	58.4	1.6	32.7				80	29.1	20.5	2.9	3.0
	11.25	3.7	75/63	48.5	37.1	53.0	1.6	31.2		11.25	4.7	60	32.8	25.9	2.3	4.2
			80/67	51.8	38.0	56.2	1.5	33.9				70	31.6	23.8	2.6	3.6
			85/71	55.0	39.1	59.4	1.5	37.0				80	30.3	21.6	2.9	3.1
	15	6.2	75/63	49.1	37.4	53.4	1.5	33.0		15	7.6	60	33.7	27.0	2.3	4.3
			80/67	52.4	38.3	56.6	1.5	36.0				70	32.3	24.5	2.6	3.7
			85/71	55.8	39.4	59.9	1.4	39.5				80	30.9	22.2	2.9	3.1
60	7.5	1.8	75/63	45.2	35.5	50.7	2.0	23.1	40	7.5	2.3	60	35.2	28.5	2.3	4.5
			80/67	48.0	36.7	53.6	1.9	24.8				70	34.7	26.8	2.6	3.9
			85/71	51.1	37.7	56.7	1.9	26.6				80	33.5	24.7	2.9	3.4
	11.25	3.5	75/63	46.3	35.9	51.5	1.8	25.4		11.25	4.4	60	37.5	30.7	2.3	4.7
			80/67	49.4	37.0	54.5	1.8	27.5				70	36.4	28.6	2.6	4.1
			85/71	52.5	38.0	57.7	1.8	29.8				80	35.2	26.1	2.9	3.5
	15	5.8	75/63	46.9	36.2	51.9	1.8	26.7		15	7.1	60	38.5	31.7	2.3	4.8
			80/67	50.0	37.3	55.0	1.7	29.0				70	37.3	29.5	2.6	4.2
			85/71	53.2	38.5	58.1	1.7	31.7				80	36.0	27.0	3.0	3.6
70	7.5	1.7	75/63	42.7	34.6	49.2	2.3	18.9	50	7.5	2.1	60	40.1	32.8	2.3	5.0
			80/67	45.6	35.7	52.1	2.2	20.3				70	39.4	31.5	2.7	4.4
			85/71	48.6	36.6	55.1	2.2	21.8				80	38.5	29.3	3.0	3.8
	11.25	3.4	75/63	43.8	35.1	49.9	2.1	20.7		11.25	4.1	60	42.2	35.0	2.4	5.2
			80/67	46.8	36.2	52.8	2.1	22.4				70	41.1	33.2	2.7	4.5
			85/71	50.0	37.1	56.0	2.1	24.2				80	40.4	31.2	3.0	3.9
	15	5.5	75/63	44.5	35.2	50.3	2.0	21.8		15	6.7	60	43.4	36.2	2.4	5.4
			80/67	47.4	36.4	53.2	2.0	23.5				70	42.5	34.7	2.7	4.6
			85/71	50.6	37.5	56.4	2.0	25.5				80	41.4	32.2	3.0	4.0
80	7.5	1.6	75/63	40.4	33.6	47.8	2.6	15.6	60	7.5	2.0	60	45.3	37.6	2.4	5.5
			80/67	43.2	34.6	50.6	2.6	16.7				70	44.4	36.2	2.7	4.8
			85/71	45.9	35.9	53.4	2.6	17.9				80	43.1	34.2	3.1	4.1
	11.25	3.2	75/63	41.5	33.9	48.4	2.4	17.0		11.25	3.9	60	47.5	39.6	2.4	5.8
			80/67	44.4	35.0	51.3	2.4	18.3				70	46.6	37.7	2.7	5.0
			85/71	47.3	36.1	54.3	2.4	19.8				80	45.2	36.3	3.1	4.3
	15	5.3	75/63	42.0	34.1	48.8	2.4	17.7		15	6.4	60	48.8	40.4	2.4	5.9
			80/67	44.9	35.4	51.6	2.3	19.2				70	47.8	39.1	2.7	5.1
			85/71	48.0	36.4	54.7	2.3	20.8				80	46.7	37.6	3.1	4.4
90	7.5	1.5	75/63	37.9	32.6	46.4	3.0	12.8	70	7.5	1.9	60	50.7	43.0	2.4	6.1
			80/67	40.6	33.8	49.2	3.0	13.7				70	49.4	40.5	2.8	5.3
			85/71	43.3	35.0	51.9	3.0	14.7				80	48.2	38.8	3.1	4.6
	11.25	3.0	75/63	39.0	32.9	47.0	2.8	13.9		11.25	3.7	60	53.1	45.2	2.5	6.3
			80/67	41.7	34.1	49.8	2.8	14.9				70	51.6	43.1	2.8	5.4
			85/71	44.6	35.3	52.6	2.8	16.1				80	50.3	40.5	3.1	4.7
	15	5.0	75/63	39.5	33.1	47.3	2.7	14.5		15	6.0	60	54.7	46.8	2.5	6.5
			80/67	42.2	34.5	50.0	2.7	15.6				70	53.2	44.3	2.8	5.6
			85/71	45.2	35.6	53.0	2.7	16.9				80	52.5	42.4	3.2	4.9
100	7.5	1.5	75/63	35.5	31.6	45.2	3.4	10.4	80	7.5	1.8	60	56.3	48.5	2.5	6.7
			80/67	37.9	32.9	47.8	3.4	11.2				70	54.7	45.9	2.8	5.7
			85/71	40.8	33.8	50.6	3.4	12.1				80	53.4	43.8	3.2	5.0
	11.25	2.9	75/63	36.4	32.1	45.6	3.2	11.3		11.25	3.5	60	59.1	51.5	2.5	7.0
			80/67	39.1	33.2	48.4	3.2	12.2				70	57.8	48.7	2.8	6.0
			85/71	41.9	34.3	51.2	3.2	13.1				80	56.7	46.2	3.2	5.2
	15	4.8	75/63	36.9	32.2	45.9	3.1	11.7		15	5.7	60	61.0	53.2	2.5	7.2
			80/67	39.6	33.4	48.6	3.1	12.7				70	59.1	50.3	2.8	6.1
			85/71	42.5	34.5	51.5	3.1	13.7				80	58.1	48.2	3.2	5.3
110	7.5	1.4	75/63	32.3	30.6	43.7	3.9	8.3	90	7.5	1.7	60	62.1	54.3	2.5	7.3
			80/67	34.5	32.0	46.1	3.9	8.9				70	60.3	51.9	2.8	6.2
			85/71	36.4	33.3	48.3	3.9	9.4				80	59.1	49.0	3.2	5.4
	11.25	2.8	75/63	33.8	31.0	44.4	3.7	9.1		11.25	3.3	60	65.5	57.8	2.5	7.6
			80/67	36.4	32.2	47.0	3.7	9.9				70	63.8	54.8	2.8	6.6
			85/71	39.0	33.6	49.7	3.7	10.7				80	62.6	52.8	3.2	5.7
	15	4.6	75/63	34.3	31.2	44.6	3.6	9.5		15	5.5	60	67.5	59.5	2.5	7.9
			80/67	36.8	32.6	47.2	3.6	10.2				70	65.6	56.5	2.9	6.7
			85/71	39.7	33.7	50.0	3.6	11.2				80	64.1	54.7	3.2	5.8

Extended Range - Anti-freeze required

AHRI/ISO13256-1 certified performance is rated at entering air conditions of 80.6°F DB and 66.2°F WB in cooling and 68°F DB in heating.

Tabulated unit performance does not include fan or pump power corrections required for AHRI/ISO standard performance ratings.

Unit performance may be interpolated. Extrapolation is not allowed.

For conditions other than rating conditions provided, consult the BST selection software.

Ratings below 40°F are with a methanol solution.

DISCLAIMER: The performance reported herein is based on testing by FHP. Variations in the installation and operational environment may alter performance. Bosch Thermotechnology Corp (BTC) disclaims all warranties, express and implied, that the performance will be as reported, including the warranty of merchantability and fitness for purpose. In addition, continuous research and development may result in a change to an appliances design and specifications at the time of order, which BTC may change without notice. Before purchase, confirm the design specifications of the appliance.

Temperature Pressure Operating Data - RP024-1CS + BIVB-24RCB-M20X

Enter Fluid Temp (°F)	Water Flow (GPM)	Cooling				Heating			
		Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Rise (°F)	Air Temp Drop (°F)	Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Drop (°F)	Air Temp Rise (°F)
30	3.0	**Operation Not Recommended**				71-81	249-269	7-8	17-21
	6.0					78-88	256-276	4-5	18-22
40	3.0	134-151	205-223	20-23	23-27	84-94	261-281	9-10	20-24
	6.0	132-149	173-191	10-13	23-27	92-102	270-290	5-6	22-26
50	3.0	135-152	233-251	20-23	22-26	97-107	275-295	11-12	23-27
	6.0	133-150	201-219	10-13	23-27	108-118	286-306	6-7	25-29
60	3.0	136-153	264-282	20-23	22-26	112-122	290-310	13-14	26-30
	6.0	135-152	231-249	10-13	22-26	125-135	304-324	7-8	29-33
70	3.0	137-154	299-317	20-23	21-25	128-138	306-326	14-15	29-33
	6.0	136-153	264-282	9-12	22-26	144-154	323-343	8-9	33-37
80	3.0	139-156	337-355	19-22	21-25	145-155	324-344	17-18	33-37
	6.0	137-154	302-320	9-12	21-25	166-176	344-364	9-10	37-41
90	3.0	140-157	379-397	19-22	20-24	164-174	343-363	19-20	36-40
	6.0	139-156	343-361	9-12	21-25	189-199	367-387	10-11	41-45
100	3.0	142-159	424-442	18-21	20-24	**Operation Not Recommended**			
	6.0	140-157	388-406	9-12	20-24				

Temperature Pressure Operating Data - RP036-1CS + BIVB-36RCB-M20X

Enter Fluid Temp (°F)	Water Flow (GPM)	Cooling				Heating			
		Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Rise (°F)	Air Temp Drop (°F)	Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Drop (°F)	Air Temp Rise (°F)
30	4.5	**Operation Not Recommended**				72-82	264-284	8-9	19-23
	9.0					79-89	272-292	4-5	20-24
40	4.5	127-143	195-219	21-24	20-24	85-95	278-298	10-11	22-26
	9.0	128-144	171-195	10-13	23-27	94-104	288-308	5-6	24-28
50	4.5	129-145	224-248	21-24	21-25	99-109	294-314	12-13	25-29
	9.0	128-144	198-222	10-13	21-25	110-120	307-327	6-7	27-31
60	4.5	130-146	254-278	21-24	20-24	114-124	312-332	13-14	28-32
	9.0	128-144	228-252	10-13	20-24	128-138	328-348	7-8	31-35
70	4.5	130-146	289-313	20-23	19-23	131-141	331-351	15-16	32-36
	9.0	129-145	262-286	10-13	19-23	148-158	351-371	8-9	35-39
80	4.5	131-147	327-351	20-23	18-22	149-159	352-372	17-18	35-39
	9.0	129-145	300-324	9-12	18-22	170-180	375-395	10-11	39-43
90	4.5	131-147	369-393	19-22	17-21	170-180	375-395	19-20	39-43
	9.0	130-146	342-366	9-12	17-21	195-205	403-423	11-12	44-48
100	4.5	132-148	414-438	19-22	16-20	**Operation Not Recommended**			
	9.0	131-147	388-412	9-12	16-20				

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Temperature Pressure Operating Data - RP048-1CS + BIVB-48RCB-M20X

Enter Fluid Temp (°F)	Water Flow (GPM)	Cooling				Heating			
		Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Rise (°F)	Air Temp Drop (°F)	Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Drop (°F)	Air Temp Rise (°F)
30	6.0	Operation Not Recommended				65-85	251-271	8-9	16-20
	12.0					72-92	257-277	4-5	17-21
40	6.0	114-130	203-223	20-23	21-25	77-97	261-281	10-11	18-22
	12.0	113-129	178-198	10-13	21-25	85-105	269-289	5-6	20-24
50	6.0	116-132	231-251	19-22	20-24	90-110	274-294	11-12	21-25
	12.0	114-130	206-226	9-12	20-24	101-121	283-303	6-7	23-27
60	6.0	116-132	262-282	19-22	20-24	105-125	287-307	13-14	24-28
	12.0	115-131	236-256	9-12	20-24	119-139	300-320	7-8	26-30
70	6.0	117-133	297-317	19-22	19-23	122-142	302-322	15-16	27-31
	12.0	116-132	270-290	9-12	19-23	138-158	318-338	8-9	30-34
80	6.0	119-135	335-355	19-22	18-22	140-160	319-339	16-17	30-34
	12.0	117-133	307-327	9-12	19-23	160-180	338-358	9-10	34-38
90	6.0	120-136	377-397	18-21	18-22	160-180	338-358	18-19	34-38
	12.0	119-135	349-369	9-12	18-22	184-204	360-380	10-11	38-42
100	6.0	121-137	423-443	18-21	17-21	Operation Not Recommended			
	12.0	120-136	395-415	9-12	18-22				

Temperature Pressure Operating Data - RP060-1CS + BIVB-60RCB-M20X

Enter Fluid Temp (°F)	Water Flow (GPM)	Cooling				Heating			
		Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Rise (°F)	Air Temp Drop (°F)	Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Drop (°F)	Air Temp Rise (°F)
30	7.5	Operation Not Recommended				63-79	256-313	8-10	22-26
	15.0					70-86	262-320	5-6	24-29
40	7.5	107-132	183-222	19-25	24-28	73-91	265-327	10-11	26-30
	15.0	106-130	167-203	9-12	24-28	82-101	275-338	6-7	28-33
50	7.5	106-132	206-252	18-24	23-27	84-105	278-344	12-13	29-34
	15.0	102-127	189-232	9-12	22-27	95-117	291-359	7-8	32-38
60	7.5	106-133	232-285	18-24	22-27	97-120	293-364	13-15	32-38
	15.0	107-132	217-267	9-13	23-27	109-134	310-383	8-9	36-42
70	7.5	107-134	262-323	18-24	22-26	110-137	310-386	15-17	37-43
	15.0	107-133	248-305	8-13	22-26	126-154	331-409	9-10	41-48
80	7.5	108-136	297-365	17-23	22-26	126-155	330-410	17-20	41-48
	15.0	109-135	283-346	9-12	22-26	145-176	355-438	9-11	46-53
90	7.5	109-137	335-411	17-23	21-25	142-174	350-436	18-21	45-53
	15.0	110-137	323-393	9-12	21-25	166-200	381-468	10-12	51-59
100	7.5	111-140	377-460	17-22	21-25	Operation Not Recommended			
	15.0	111-138	367-444	8-11	21-25				

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Temperature Pressure Operating Data - RP024-1CS + BMAC2430BBTA

Enter Fluid Temp (°F)	Water Flow (GPM)	Cooling				Heating			
		Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Rise (°F)	Air Temp Drop (°F)	Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Drop (°F)	Air Temp Rise (°F)
30	3.0	**Operation Not Recommended**				65-75	244-264	9-10	17-21
	6.0					73-83	251-271	5-6	19-23
40	3.0	133-150	201-219	21-24	23-27	76-86	254-274	10-11	20-24
	6.0	132-149	176-194	10-13	24-28	85-95	263-283	6-7	22-26
50	3.0	135-152	230-248	21-24	23-27	88-98	265-285	12-13	23-27
	6.0	134-151	205-223	10-13	23-27	99-109	276-296	7-8	26-30
60	3.0	136-153	262-280	20-23	22-26	101-111	278-298	14-15	26-30
	6.0	135-152	236-254	10-13	23-27	115-125	291-311	8-9	30-34
70	3.0	137-154	298-316	20-23	22-26	115-125	292-312	16-17	30-34
	6.0	136-153	272-290	10-13	22-26	133-143	308-328	9-10	34-38
80	3.0	139-156	337-355	20-23	22-26	131-141	307-327	17-18	34-38
	6.0	138-155	312-330	9-12	22-26	152-162	327-347	10-11	38-42
90	3.0	140-157	380-398	20-23	21-25	149-159	324-344	19-20	38-42
	6.0	139-156	356-374	9-12	21-25	174-184	348-368	11-12	43-47
100	3.0	142-159	427-445	19-22	21-25	**Operation Not Recommended**			
	6.0	141-158	404-422	9-12	21-25				

Temperature Pressure Operating Data - RP036-1CS + BMAC3036BBTA

Enter Fluid Temp (°F)	Water Flow (GPM)	Cooling				Heating			
		Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Rise (°F)	Air Temp Drop (°F)	Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Drop (°F)	Air Temp Rise (°F)
30	4.5	**Operation Not Recommended**				69-79	252-272	9-10	17-21
	9.0					76-86	258-278	5-6	19-23
40	4.5	126-142	200-224	21-24	23-27	81-91	262-282	11-12	20-24
	9.0	125-141	176-200	10-13	23-27	90-100	271-291	6-7	22-26
50	4.5	128-144	229-253	20-23	23-27	93-103	274-294	12-13	23-27
	9.0	127-143	205-229	10-13	23-27	105-115	285-305	7-8	26-30
60	4.5	129-145	261-285	20-23	22-26	108-118	288-308	14-15	26-30
	9.0	128-144	237-261	10-13	23-27	122-132	301-321	8-9	30-34
70	4.5	130-146	297-321	20-23	22-26	123-133	302-322	16-17	30-34
	9.0	129-145	273-297	10-13	22-26	141-151	319-339	9-10	34-38
80	4.5	132-148	336-360	20-23	21-25	141-151	319-339	18-19	34-38
	9.0	131-147	313-337	9-12	22-26	161-171	339-359	10-11	38-42
90	4.5	133-149	380-404	19-22	21-25	159-169	337-357	20-21	38-42
	9.0	132-148	357-381	9-12	21-25	185-195	362-382	11-12	43-47
100	4.5	135-151	427-451	19-22	20-24	**Operation Not Recommended**			
	9.0	134-150	406-430	9-12	21-25				

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Temperature Pressure Operating Data - RP048-1CS + BMAC4248CBTA

Enter Fluid Temp (°F)	Water Flow (GPM)	Cooling				Heating			
		Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Rise (°F)	Air Temp Drop (°F)	Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Drop (°F)	Air Temp Rise (°F)
30	6.0	Operation Not Recommended				62-82	252-272	8-9	15-19
	12.0					69-89	258-278	4-5	17-21
40	6.0	118-134	205-225	20-23	22-26	73-93	262-282	10-11	18-22
	12.0	116-132	180-200	10-13	22-26	81-101	270-290	5-6	20-24
50	6.0	119-135	233-253	20-23	21-25	86-106	274-294	11-12	21-25
	12.0	118-134	207-227	10-13	22-26	96-116	284-304	6-7	23-27
60	6.0	120-136	265-285	20-23	21-25	100-120	288-308	13-14	24-28
	12.0	119-135	237-257	9-12	21-25	112-132	300-320	7-8	26-30
70	6.0	121-137	299-319	19-22	20-24	115-135	303-323	14-15	27-31
	12.0	120-136	271-291	9-12	21-25	131-151	318-338	8-9	30-34
80	6.0	123-139	338-358	19-22	20-24	132-152	319-339	16-17	30-34
	12.0	122-138	309-329	9-12	20-24	151-171	338-358	9-10	34-38
90	6.0	124-140	380-400	19-22	20-24	151-171	338-358	18-19	34-38
	12.0	123-139	351-371	9-12	20-24	174-194	360-380	10-11	38-42
100	6.0	125-141	426-446	19-22	19-23	Operation Not Recommended			
	12.0	124-140	397-417	9-12	19-23				

Temperature Pressure Operating Data - RP060-1CS + BMAC4860CBTA

Enter Fluid Temp (°F)	Water Flow (GPM)	Cooling				Heating			
		Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Rise (°F)	Air Temp Drop (°F)	Suction Pressure (PSIG)	Discharge Pressure (PSIG)	Water Temp Drop (°F)	Air Temp Rise (°F)
30	7.5	Operation Not Recommended				63-79	243-300	8-10	20-24
	15.0					69-85	250-308	4-5	21-26
40	7.5	88-113	179-218	18-24	25-29	73-91	253-315	10-11	23-27
	15.0	95-119	162-198	10-13	27-31	80-99	262-325	5-6	25-30
50	7.5	89-115	203-249	18-24	25-29	84-105	265-331	11-12	26-31
	15.0	89-114	180-223	9-12	25-30	93-115	276-344	6-7	28-34
60	7.5	90-117	228-281	18-24	24-29	96-119	279-350	13-15	29-35
	15.0	90-115	205-255	9-13	25-29	107-132	293-366	7-8	32-38
70	7.5	91-118	257-318	18-24	24-28	109-136	295-371	14-16	33-39
	15.0	91-117	233-290	8-13	24-28	124-152	312-390	8-9	36-43
80	7.5	92-120	289-357	17-23	23-27	125-154	313-393	16-19	37-44
	15.0	92-118	266-329	9-12	24-28	142-173	333-416	9-11	41-48
90	7.5	93-121	325-401	17-23	23-27	142-174	332-418	17-20	41-49
	15.0	92-119	302-372	9-12	23-27	163-197	357-444	10-12	46-54
100	7.5	94-123	366-449	17-22	22-26	Operation Not Recommended			
	15.0	94-121	343-420	8-11	22-26				

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