











**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA025****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	10.3	52.0	2.8	1/3	-	-	15.7	25

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
3.5	3	3/8	14
Water Coil			
Type	Work Press		
Coaxial	450 psig		
Blower Size	Compr Type		
9 x 7 DD	Scroll		
Net Weight	Ship Weight		
330 lbs	355 lbs		

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+						1100						
Norm						950						
-						800						

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
5.0	2.0	0.9
7.0	3.6	1.6
9.0	5.7	2.5
11.0	8.2	3.5
13.0	11.0	4.8

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 950 CFM and 8.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
27,000	16.2	32,500	5.3	31,000	25.1	26,500	4.8	28,500	19.2	20,400	4.1

**CAPACITY DATA - FULL LOAD****COOLING** All performance at 950 CFM and 8.0 GPM

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER
50°	70°db 61°wb	27.31	18.01	0.66	1.19	31.36	23.0
60°		26.05	17.32	0.67	1.34	30.62	19.5
70°		24.78	16.69	0.67	1.49	29.87	16.6
85°		22.89	15.82	0.69	1.72	28.76	13.3
100°		21.00	15.02	0.72	1.95	27.65	10.8
50°	75°db 63°wb	29.26	21.55	0.74	1.19	33.34	24.5
60°		27.91	20.73	0.74	1.35	32.51	20.7
70°		26.56	19.97	0.75	1.50	31.68	17.7
85°		24.54	18.94	0.77	1.73	30.44	14.2
100°		22.51	17.98	0.80	1.96	29.20	11.5
50°	80°db 67°wb	32.13	23.80	0.74	1.20	36.23	26.7
60°		30.65	22.89	0.75	1.36	35.28	22.6
70°		29.17	22.06	0.76	1.51	34.32	19.3
85°		26.95	20.92	0.78	1.74	32.90	15.5
100°		24.73	19.87	0.80	1.97	31.47	12.5
50°	85°db 71°wb	34.99	26.07	0.75	1.21	39.12	28.9
60°		33.38	25.08	0.75	1.37	38.04	24.4
70°		31.77	24.17	0.76	1.52	36.97	20.9
85°		29.36	22.92	0.78	1.76	35.35	16.7
100°		26.94	21.77	0.81	1.99	33.73	13.5

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	28.16	1.71	22.32	4.8
60°		31.67	1.81	25.49	5.1
70°		35.18	1.91	28.66	5.4
80°		38.70	2.01	31.83	5.6
50°		70°	26.63	1.74	20.69
60°	29.95		1.84	23.66	4.8
70°	33.27		1.95	26.63	5.0
80°	36.59		2.05	29.60	5.2
50°	80°		24.83	1.78	18.76
60°		27.92	1.88	21.50	4.3
70°		31.02	1.99	24.23	4.6
80°		34.11	2.09	26.97	4.8

**LOW TEMP HEATING** Antifreeze Required

25°	60°	18.99	1.46	14.01	3.8
30°		20.72	1.51	15.56	4.0
40°		24.16	1.61	18.66	4.4
25°	70°	17.97	1.48	12.90	3.5
30°		19.60	1.54	14.35	3.7
40°		22.85	1.64	17.26	4.1
25°	80°	16.77	1.52	11.59	3.2
30°		18.28	1.57	12.93	3.4
40°		21.31	1.67	15.60	3.7

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

Performance based on ARI/ISO rated air flow, fluid flow and voltage. For conditions other than rated, consult the Bosch EAD selection software. Due to variations in installation actual performance may vary marginally from tabulated values.

As a result of continuing research and development, specifications are subject to change without notice.

TA025.2IP60 Rev: 05-11

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**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA035****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	16.7	82.0	4.3	1/2	-	-	25.2	40

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
4.5	3	3/8	14
Water Coil			
Type		Work Press	
Coaxial		450 psig	
Blower Size		Compr Type	
9 x 7 DD		Scroll	
Net Weight		Ship Weight	
365 lbs		400 lbs	

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+					1000							
Norm					900							
-					800							

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
5	2.0	0.9
7	3.6	1.6
9	5.7	2.5
11	8.2	3.5
13	11.1	4.8

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 1000 CFM and 9.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
25,700	19.8	29,500	6.3	29,500	34.0	24,300	5.3	28,200	28.5	22,000	4.8

**CAPACITY DATA - PART LOAD****COOLING** All performance at 1000 CFM and 9.0 GPM EFT Range (Standard) 50°F to 100°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER
50°	70°db	26.07	16.75	0.64	0.81	28.82	32.3
60°		24.94	16.16	0.65	0.95	28.18	26.3
70°		23.82	15.62	0.66	1.09	27.55	21.8
85°		22.13	14.90	0.67	1.31	26.59	16.9
100°		20.44	14.24	0.70	1.52	25.64	13.4
50°	75°db	27.94	20.05	0.72	0.81	30.71	34.4
60°		26.74	19.35	0.72	0.95	29.99	28.0
70°		25.53	18.71	0.73	1.10	29.28	23.2
85°		23.73	17.85	0.75	1.31	28.21	18.1
100°		21.92	17.07	0.78	1.53	27.14	14.3
50°	80°db	30.68	22.15	0.72	0.82	33.46	37.6
60°		29.36	21.38	0.73	0.96	32.64	30.5
70°		28.04	20.67	0.74	1.11	31.81	25.3
85°		26.06	19.72	0.76	1.32	30.58	19.7
100°		24.08	18.86	0.78	1.54	29.34	15.6
50°	85°db	33.42	24.28	0.73	0.82	36.22	40.6
60°		31.98	23.43	0.73	0.97	35.29	33.0
70°		30.55	22.65	0.74	1.11	34.35	27.4
85°		28.39	21.61	0.76	1.33	32.94	21.3
100°		26.24	20.67	0.79	1.55	31.54	16.9

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	26.93	1.44	22.01	5.5
60°		29.10	1.46	24.13	5.9
70°		31.28	1.47	26.26	6.2
80°		33.46	1.49	28.38	6.6
50°		70°	25.47	1.47	20.46
60°	27.52		1.48	22.47	5.4
70°	29.58		1.50	24.47	5.8
80°	31.64		1.51	26.48	6.1
50°	80°		23.75	1.50	18.64
60°		25.67	1.51	20.51	5.0
70°		27.59	1.53	22.37	5.3
80°		29.50	1.54	24.23	5.6

**LOW TEMP HEATING** Antifreeze Required

25°	60°	21.06	1.40	16.27	4.4
30°		22.13	1.41	17.31	4.6
40°		24.26	1.43	19.39	5.0
25°	70°	19.93	1.43	15.05	4.1
30°		20.93	1.44	16.03	4.3
40°		22.95	1.45	18.00	4.6
25°	80°	18.59	1.46	13.62	3.7
30°		19.53	1.47	14.53	3.9
40°		21.41	1.48	16.35	4.2

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

Performance based on ARI/ISO rated air flow, fluid flow and voltage. For conditions other than rated, consult the Bosch EAD selection software. Due to variations in installation actual performance may vary marginally from tabulated values.

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**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA035****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	16.7	82.0	4.3	1/2	-	-	25.2	40

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
4.5	3	3/8	14
Water Coil			
Type	Work Press		
Coaxial	450 psig		
Blower Size	Compr Type		
9 x 7 DD	Scroll		
Net Weight	Ship Weight		
365 lbs	400 lbs		

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+						1380						
Norm						1200						
-						1020						

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 1200 CFM and 9.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
36,600	16.0	43,000	5.1	41,200	23.5	36,200	4.7	38,200	18.4	28,200	4.1

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
5	2.0	0.9
7	3.6	1.6
9	5.7	2.5
11	8.2	3.5
13	11.1	4.8

**CAPACITY DATA - FULL LOAD****COOLING** All performance at 1200 CFM and 9.0 GPM EFT Range (Standard) 50°F to 100°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER
50°	70°db 61°wb	36.10	23.53	0.65	1.67	41.81	21.6
60°		34.64	22.76	0.66	1.86	41.00	18.6
70°		33.18	22.08	0.67	2.05	40.19	16.2
85°		30.99	21.16	0.68	2.34	38.97	13.3
100°		28.80	20.36	0.71	2.62	37.75	11.0
50°	75°db 63°wb	38.68	28.14	0.73	1.68	44.43	23.0
60°		37.12	27.23	0.73	1.87	43.52	19.8
70°		35.56	26.41	0.74	2.06	42.61	17.2
85°		33.22	25.33	0.76	2.35	41.24	14.1
100°		30.87	24.37	0.79	2.64	39.87	11.7
50°	80°db 67°wb	42.47	31.08	0.73	1.70	48.26	25.0
60°		40.75	30.08	0.74	1.89	47.20	21.6
70°		39.04	29.17	0.75	2.08	46.14	18.8
85°		36.47	27.98	0.77	2.37	44.56	15.4
100°		33.91	26.92	0.79	2.66	42.97	12.8
50°	85°db 71°wb	46.25	34.05	0.74	1.71	52.08	27.1
60°		44.39	32.95	0.74	1.90	50.88	23.3
70°		42.52	31.96	0.75	2.10	49.68	20.3
85°		39.73	30.65	0.77	2.39	47.88	16.6
100°		36.94	29.49	0.80	2.68	46.08	13.8

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	38.04	2.33	30.08	4.8
60°		42.34	2.47	33.92	5.0
70°		46.64	2.60	37.75	5.2
80°		50.93	2.74	41.59	5.5
50°		70°	35.97	2.37	27.87
60°	40.03		2.51	31.46	4.7
70°	44.09		2.65	35.05	4.9
80°	48.16		2.79	38.64	5.1
50°	80°		33.55	2.42	25.27
60°		37.33	2.57	28.57	4.3
70°		41.11	2.71	31.87	4.4
80°		44.89	2.85	35.17	4.6

**LOW TEMP HEATING** Antifreeze Required

25°	60°	26.76	1.99	19.96	3.9
30°		28.87	2.06	21.83	4.1
40°		33.08	2.20	25.58	4.4
25°	70°	25.32	2.03	18.39	3.7
30°		27.31	2.10	20.15	3.8
40°		31.29	2.24	23.66	4.1
25°	80°	23.62	2.07	16.55	3.3
30°		25.47	2.14	18.16	3.5
40°		29.18	2.28	21.39	3.7

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

Performance based on ARI/ISO rated air flow, fluid flow and voltage. For conditions other than rated, consult the Bosch EAD selection software. Due to variations in installation actual performance may vary marginally from tabulated values.

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**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA049****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	21.2	96.0	6.8	3/4	-	-	33.3	50

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
6	3	3/8	14
Water Coil			
Type	Work Press		
Coaxial	450 psig		
Blower Size	Compr Type		
10x 8 DD	Scroll		
Net Weight	Ship Weight		
445 lbs	475 lbs		

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+						1490						
Norm						1300						
-						1100						

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
6.0	2.3	1.0
7.0	3.0	1.3
9.5	5.3	2.3
12.0	8.0	3.5
16.0	13.4	5.8

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 1300 CFM and 12.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
37,000	20	38,500	5.9	41,200	32.5	31,500	5.0	40,200	28.0	28,000	4.6

**CAPACITY DATA - PART LOAD****COOLING** All performance at 1300 CFM and 12.0 GPM EFT Range (Standard) 50°F to 100°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER
50°	70°db 61°wb	37.65	28.42	0.75	1.17	41.65	32.1
60°		36.39	27.70	0.76	1.37	41.06	26.6
70°		35.12	27.08	0.77	1.57	40.47	22.4
85°		33.23	26.30	0.79	1.86	39.58	17.9
100°		31.34	25.67	0.82	2.15	38.69	14.6
50°	75°db 63°wb	40.35	33.98	0.84	1.18	44.37	34.2
60°		39.00	33.12	0.85	1.38	43.69	28.3
70°		37.65	32.38	0.86	1.57	43.02	23.9
85°		35.62	31.45	0.88	1.87	42.00	19.1
100°		33.59	30.71	0.91	2.16	40.98	15.5
50°	80°db 67°wb	44.30	37.52	0.85	1.19	48.35	37.3
60°		42.81	36.57	0.85	1.39	47.55	30.9
70°		41.33	35.76	0.87	1.59	46.74	26.1
85°		39.11	34.73	0.89	1.88	45.54	20.8
100°		36.89	33.91	0.92	2.18	44.33	16.9
50°	85°db 71°wb	48.24	41.10	0.85	1.20	52.32	40.3
60°		46.63	40.06	0.86	1.40	51.40	33.4
70°		45.02	39.16	0.87	1.60	50.47	28.2
85°		42.60	38.05	0.89	1.90	49.08	22.5
100°		40.19	37.15	0.92	2.20	47.69	18.3

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	36.30	1.93	29.72	5.5
60°		39.48	1.97	32.75	5.9
70°		42.66	2.02	35.78	6.2
80°		45.84	2.06	38.82	6.5
50°		70°	34.33	1.96	27.64
60°	37.34		2.01	30.49	5.5
70°	40.34		2.05	33.35	5.8
80°	43.35		2.10	36.20	6.1
50°	80°		32.02	2.00	25.19
60°		34.82	2.05	27.83	5.0
70°		37.62	2.09	30.47	5.3
80°		40.42	2.14	33.11	5.5

**LOW TEMP HEATING** Antifreeze Required

25°	60°	27.79	1.82	21.59	4.5
30°		29.35	1.84	23.08	4.7
40°		32.47	1.88	26.04	5.1
25°	70°	26.29	1.85	19.99	4.2
30°		27.77	1.87	21.38	4.4
40°		30.71	1.92	24.18	4.7
25°	80°	24.53	1.89	18.09	3.8
30°		25.90	1.91	19.39	4.0
40°		28.65	1.96	21.97	4.3

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

Performance based on ARI/ISO rated air flow, fluid flow and voltage. For conditions other than rated, consult the Bosch EAD selection software. Due to variations in installation actual performance may vary marginally from tabulated values.

As a result of continuing research and development, specifications are subject to change without notice.

TA049.1P60 Rev: 05-11

**FHP Manufacturing Company**

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**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA049****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	21.2	96.0	6.8	3/4	-	-	33.3	50

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
6.0	3	3/8	14
Water Coil			
Type	Work Press		
Coaxial	450 psig		
Blower Size	Compr Type		
10x 8 DD	Scroll		
Net Weight	Ship Weight		
445 lbs	475 lbs		

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+						1950						
Norm						1700						
-						1450						

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
6.0	2.3	1.0
7.0	3.0	1.3
9.5	5.3	2.3
12.0	8.0	3.5
16.0	13.4	5.8

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 1700 CFM and 12.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
50,000	16.9	53,000	5.2	56,000	24.0	45,500	4.8	52,000	19.0	38,000	4.1

**CAPACITY DATA - FULL LOAD****COOLING** All performance at 1700 CFM and 12.0 GPM EFT Range (Standard) 50°F to 100°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER	
50°	70°db	48.95	31.89	0.65	2.28	56.74	21.4	
60°		47.04	30.90	0.66	2.51	55.59	18.8	
70°		61°wb	45.13	30.01	0.67	2.73	54.45	16.5
85°			42.27	28.85	0.68	3.06	52.72	13.8
100°			39.40	27.84	0.71	3.40	51.00	11.6
50°	75°db	52.46	38.15	0.73	2.30	60.29	22.9	
60°		50.41	36.97	0.73	2.52	59.01	20.0	
70°		63°wb	48.37	35.92	0.74	2.74	57.74	17.6
85°			45.31	34.54	0.76	3.08	55.82	14.7
100°			42.24	33.33	0.79	3.42	53.90	12.4
50°	80°db	57.59	42.14	0.73	2.31	65.48	24.9	
60°		55.35	40.84	0.74	2.54	64.01	21.8	
70°		67°wb	53.11	39.68	0.75	2.76	62.55	19.2
85°			49.75	38.15	0.77	3.10	60.35	16.0
100°			46.39	36.82	0.79	3.44	58.14	13.5
50°	85°db	62.72	46.16	0.74	2.33	70.67	26.9	
60°		60.29	44.74	0.74	2.56	69.01	23.6	
70°		71°wb	57.85	43.47	0.75	2.79	67.36	20.8
85°			54.20	41.80	0.77	3.13	64.87	17.3
100°			50.54	40.35	0.80	3.47	62.38	14.6

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	48.44	2.96	38.32	4.8
60°		52.79	3.05	42.38	5.1
70°		57.15	3.14	46.43	5.3
80°		61.50	3.23	50.48	5.6
50°		70°	45.81	3.02	35.52
60°	49.92		3.11	39.32	4.7
70°	54.04		3.20	43.13	5.0
80°	58.15		3.29	46.94	5.2
50°	80°		42.72	3.08	32.21
60°		46.55	3.17	35.73	4.3
70°		50.39	3.26	39.25	4.5
80°		54.22	3.36	42.76	4.7

**LOW TEMP HEATING** Antifreeze Required

25°	60°	36.81	2.74	27.45	3.9
30°		38.95	2.79	29.44	4.1
40°		43.22	2.87	33.41	4.4
25°	70°	34.83	2.79	25.31	3.7
30°		36.84	2.83	27.17	3.8
40°		40.88	2.93	30.89	4.1
25°	80°	32.49	2.85	22.77	3.3
30°		34.37	2.89	24.49	3.5
40°		38.13	2.99	27.93	3.7

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

Performance based on ARI/ISO rated air flow, fluid flow and voltage. For conditions other than rated, consult the Bosch EAD selection software. Due to variations in installation actual performance may vary marginally from tabulated values.

As a result of continuing research and development, specifications are subject to change without notice.

TA049.2IP60 Rev: 05-11

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**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA061****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	25.6	118.0	6.8	3/4	-	-	38.8	60

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
7.5	3	3/8	14
Water Coil			
Type	Work Press		
Coaxial	450 psig		
Blower Size	Compr Type		
11x 9 DD	Scroll		
Net Weight	Ship Weight		
555 lbs	580 lbs		

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+						1725						
Norm						1500						
-						1275						

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
8	3.5	1.5
12	7.2	3.1
16	12.1	5.3
18	15.0	6.5
22	21.5	9.3

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 1500 CFM and 14.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
47,000	19.0	56,500	6.2	53,000	33.0	45,000	5.2	51,000	27.7	39,000	4.6

**CAPACITY DATA - PART LOAD****COOLING** All performance at 1500 CFM and 14.0 GPM EFT Range (Standard) 50°F to 100°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER
50°	70°db	47.18	30.54	0.65	1.27	51.51	37.3
60°		45.41	29.64	0.65	1.55	50.71	29.2
70°		43.64	28.84	0.66	1.84	49.92	23.7
85°		40.98	27.79	0.68	2.27	48.73	18.0
100°		38.32	26.89	0.70	2.70	47.55	14.2
50°	75°db	50.53	36.44	0.72	1.27	54.87	39.7
60°		48.63	35.37	0.73	1.56	53.96	31.1
70°		46.73	34.41	0.74	1.85	53.05	25.2
85°		43.89	33.17	0.76	2.28	51.69	19.2
100°		41.04	32.10	0.78	2.72	50.32	15.1
50°	80°db	55.42	40.19	0.73	1.28	59.80	43.2
60°		53.34	39.01	0.73	1.57	58.72	33.9
70°		51.26	37.96	0.74	1.87	57.63	27.5
85°		48.14	36.59	0.76	2.30	56.00	20.9
100°		45.02	35.40	0.79	2.74	54.38	16.4
50°	85°db	60.31	43.98	0.73	1.29	64.73	46.6
60°		58.05	42.69	0.74	1.59	63.47	36.6
70°		55.79	41.54	0.74	1.88	62.21	29.7
85°		52.40	40.04	0.76	2.32	60.32	22.6
100°		49.00	38.75	0.79	2.76	58.43	17.7

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	49.27	2.53	40.63	5.7
60°		54.35	2.59	45.50	6.1
70°		59.43	2.66	50.36	6.6
80°		64.51	2.72	55.22	6.9
50°		70°	46.56	2.58	37.77
60°	51.36		2.64	42.35	5.7
70°	56.16		2.71	46.92	6.1
80°	60.97		2.77	51.50	6.4
50°	80°		43.39	2.63	34.39
60°		47.86	2.70	38.64	5.2
70°		52.33	2.77	42.88	5.5
80°		56.80	2.83	47.12	5.9

**LOW TEMP HEATING** Antifreeze Required

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
25°	60°	35.85	2.37	27.76	4.4
30°		38.34	2.40	30.14	4.7
40°		43.32	2.47	34.91	5.1
25°	70°	33.88	2.41	25.65	4.1
30°		36.24	2.45	27.89	4.3
40°		40.94	2.51	32.37	4.8
25°	80°	31.58	2.47	23.16	3.8
30°		33.77	2.50	25.23	4.0
40°		38.15	2.57	29.39	4.4

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

Performance based on ARI/ISO rated air flow, fluid flow and voltage. For conditions other than rated, consult the Bosch EAD selection software. Due to variations in installation actual performance may vary marginally from tabulated values.

As a result of continuing research and development, specifications are subject to change without notice.

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**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA061****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	25.6	118.0	6.8	3/4	-	-	38.8	60

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
7.5	3	3/8	14
Water Coil			
Type	Work Press		
Coaxial	450 psig		
Blower Size	Compr Type		
11x 9 DD	Scroll		
Net Weight	Ship Weight		
555 lbs	580 lbs		

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+						2200						
Norm						2000						
-						1700						

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
8	3.5	1.5
12	7.2	3.1
16	12.1	5.3
18	15.0	6.5
22	21.5	9.3

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 2000 CFM and 14.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
64,000	16.2	78,500	5.4	71,000	23.8	65,000	5.0	67,000	18.5	49,000	4.1

**CAPACITY DATA - FULL LOAD****COOLING** All performance at 2000 CFM and 14.0 GPM EFT Range (Standard) 50°F to 100°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER
50°	70°db 61°wb	62.67	40.56	0.65	2.66	71.76	23.5
60°		60.48	39.48	0.65	3.01	70.76	20.1
70°		58.30	38.53	0.66	3.36	69.77	17.4
85°		55.03	37.33	0.68	3.88	68.27	14.2
100°		51.76	36.33	0.70	4.40	66.78	11.8
50°	75°db 63°wb	67.11	48.40	0.72	2.68	76.25	25.0
60°		64.77	47.11	0.73	3.03	75.11	21.4
70°		62.44	45.98	0.74	3.38	73.97	18.5
85°		58.94	44.54	0.76	3.90	72.25	15.1
100°		55.43	43.35	0.78	4.43	70.54	12.5
50°	80°db 67°wb	73.61	53.38	0.73	2.70	82.82	27.3
60°		71.05	51.96	0.73	3.05	81.47	23.3
70°		68.49	50.71	0.74	3.41	80.11	20.1
85°		64.65	49.13	0.76	3.93	78.08	16.4
100°		60.81	47.82	0.79	4.46	76.04	13.6
50°	85°db 71°wb	80.11	58.42	0.73	2.72	89.40	29.4
60°		77.32	56.86	0.74	3.08	87.82	25.1
70°		74.54	55.50	0.74	3.43	86.25	21.7
85°		70.36	53.77	0.76	3.97	83.90	17.7
100°		66.19	52.33	0.79	4.50	81.54	14.7

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	67.49	3.83	54.43	5.2
60°		76.05	4.05	62.22	5.5
70°		84.62	4.28	70.01	5.8
80°		93.19	4.51	77.81	6.1
50°		70°	63.78	3.90	50.48
60°	71.88		4.13	57.78	5.1
70°	79.97		4.36	65.09	5.4
80°	88.06		4.59	72.40	5.6
50°	80°		59.43	3.99	45.82
60°		66.97	4.22	52.56	4.6
70°		74.50	4.46	59.29	4.9
80°		82.04	4.69	66.02	5.1

**LOW TEMP HEATING** Antifreeze Required

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
25°	60°	45.17	3.26	34.04	4.1
30°		49.37	3.38	37.85	4.3
40°		57.77	3.60	45.48	4.7
25°	70°	42.70	3.32	31.36	3.8
30°		46.66	3.44	34.93	4.0
40°		54.60	3.67	42.08	4.4
25°	80°	39.79	3.40	28.20	3.4
30°		43.49	3.52	31.49	3.6
40°		50.88	3.75	38.07	4.0

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

Performance based on ARI/ISO rated air flow, fluid flow and voltage. For conditions other than rated, consult the Bosch EAD selection software. Due to variations in installation actual performance may vary marginally from tabulated values.

As a result of continuing research and development, specifications are subject to change without notice.

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**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA071****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	27.2	150.0	6.8	1.0	-	-	40.8	60

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
7.5	3	3/8	14
Water Coil			
Type	Work Press		
Coaxial	450 psig		
Blower Size	Compr Type		
12 x 9 DD	Scroll		
Net Weight	Ship Weight		
645 lbs	690 lbs		

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+						1600						
Norm						1500						
-						1200						

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
8	2.5	1.1
12	3.6	1.6
16	4.3	1.9
18	6.9	3.0
22	8.2	3.6

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 1500 CFM and 18.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
53,000	18.2	65,800	5.2	59,000	28.8	53,700	4.6	57,500	25.2	47,000	4.1

**CAPACITY DATA - PART LOAD****COOLING** All performance at 1500 CFM and 18.0 GPM EFT Range (Standard) 50°F to 100°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER	
50°	70°db	51.94	33.47	0.64	1.74	57.88	29.8	
60°		50.20	32.62	0.65	2.03	57.11	24.8	
70°		61°wb	48.46	31.88	0.66	2.31	56.35	21.0
85°			45.85	30.96	0.68	2.74	55.20	16.7
100°			43.25	30.23	0.70	3.17	54.05	13.7
50°	75°db	55.65	40.01	0.72	1.75	61.62	31.8	
60°		53.79	39.00	0.73	2.04	60.74	26.4	
70°		63°wb	51.93	38.13	0.73	2.32	59.86	22.4
85°			49.14	37.03	0.75	2.75	58.54	17.8
100°			46.35	36.15	0.78	3.18	57.21	14.6
50°	80°db	61.08	44.18	0.72	1.76	67.09	34.7	
60°		59.04	43.06	0.73	2.05	66.04	28.8	
70°		67°wb	57.00	42.10	0.74	2.34	64.99	24.4
85°			53.94	40.89	0.76	2.77	63.41	19.4
100°			50.88	39.92	0.78	3.21	61.83	15.9
50°	85°db	66.51	48.39	0.73	1.78	72.57	37.5	
60°		64.29	47.16	0.73	2.07	71.35	31.1	
70°		71°wb	62.07	46.11	0.74	2.36	70.12	26.3
85°			58.75	44.79	0.76	2.80	68.29	21.0
100°			55.42	43.73	0.79	3.23	66.45	17.1

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	58.79	3.48	46.91	4.9
60°		64.25	3.59	51.98	5.2
70°		69.71	3.71	57.05	5.5
80°		75.17	3.82	62.13	5.8
50°		70°	55.58	3.54	43.49
60°	60.74		3.66	48.25	4.9
70°	65.90		3.77	53.02	5.1
80°	71.06		3.89	57.78	5.4
50°	80°		51.82	3.62	39.46
60°		56.62	3.74	43.86	4.4
70°		61.43	3.86	48.26	4.7
80°		66.23	3.98	52.66	4.9

**LOW TEMP HEATING** Antifreeze Required

25°	60°	44.26	3.20	33.35	4.1
30°		46.93	3.25	35.83	4.2
40°		52.28	3.37	40.79	4.5
25°	70°	41.85	3.25	30.75	3.8
30°		44.38	3.31	33.08	3.9
40°		49.44	3.43	37.74	4.2
25°	80°	39.03	3.32	27.68	3.4
30°		41.39	3.38	29.84	3.6
40°		46.09	3.50	34.14	3.9

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

Performance based on ARI/ISO rated air flow, fluid flow and voltage. For conditions other than rated, consult the Bosch EAD selection software. Due to variations in installation actual performance may vary marginally from tabulated values.

As a result of continuing research and development, specifications are subject to change without notice.

TA071.1IP60 Rev: 05-11

**FHP Manufacturing Company**

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**BOSCH****PACKAGED UNITS****SPECIFICATION DATA SHEET****TA071****ELECTRICAL SPECIFICATIONS**

Electrical Characteristics	Elect. Symbol	Compressor		Blower		Loop Pump		Min. Circuit Amps	Max. Fuse/Breaker
		RLA	LRA	FLA	HP	FLA	HP		
208/230-1-60	-1	27.2	150.0	6.8	1.0	-	-	40.8	60

**MECHANICAL SPECIFICATIONS**

Refrigerant: R-410A			
Air Coil			
Square Feet	Rows Deep	Tube O.D.	Fins/Inch
7.5	3	3/8	14
Water Coil			
Type	Work Press		
Coaxial	450 psig		
Blower Size	Compr Type		
12x 9 DD	Scroll		
Net Weight	Ship Weight		
645 lbs	690 lbs		

**BLOWER PERFORMANCE**

Available External Static Pressure (Inches of Water, Gauge. Wet Coil and Filter Included)												
Blower Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
+												
Norm						2300						
-						1900						

**FLUID PRESSURE DROP**

Fluid Flow (GPM)	Pressure Drop	
	(FOH)	(PSIG)
8	2.5	1.1
12	3.6	1.6
16	4.3	1.9
18	6.9	3.0
22	8.2	3.6

**ISO 13256-1 CERTIFIED PERFORMANCE DATA** Rated at 2300 CFM and 18.0 GPM

Water Loop				Ground Water				Ground Loop			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
72,000	16.0	89,000	5.2	78,000	21.8	73,000	4.7	74,000	18.0	58,000	3.9

**CAPACITY DATA - FULL LOAD****COOLING** All performance at 2300 CFM and 18.0 GPM EFT Range (Standard) 50°F to 100°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Sensible Capacity (MBtuH)	Sensible to Total Ratio	Power Input (kW)	Heat of Reject (MBtuH)	EER
50°	70°db	67.02	42.08	0.63	3.45	78.78	19.4
60°		65.13	41.23	0.63	3.77	77.99	17.3
70°		63.23	40.53	0.64	4.09	77.20	15.5
85°		60.40	39.74	0.66	4.58	76.01	13.2
100°		57.56	39.20	0.68	5.06	74.82	11.4
50°	75°db	71.82	50.34	0.70	3.46	83.65	20.7
60°		69.79	49.33	0.71	3.79	82.73	18.4
70°		67.77	48.50	0.72	4.11	81.81	16.5
85°		64.73	47.55	0.73	4.60	80.43	14.1
100°		61.69	46.91	0.76	5.09	79.05	12.1
50°	80°db	78.84	55.59	0.71	3.49	90.76	22.6
60°		76.62	54.48	0.71	3.82	89.65	20.1
70°		74.40	53.57	0.72	4.15	88.55	17.9
85°		71.07	52.52	0.74	4.64	86.89	15.3
100°		67.74	51.82	0.76	5.13	85.24	13.2
50°	85°db	85.86	60.90	0.71	3.52	97.87	24.4
60°		83.45	59.68	0.72	3.85	96.58	21.7
70°		81.03	58.68	0.72	4.18	95.29	19.4
85°		77.41	57.55	0.74	4.67	93.35	16.6
100°		73.78	56.77	0.77	5.17	91.42	14.3

**HEATING** EFT Range (Standard) 25°F to 80°F

Entering Fluid Temp. (°F)	Entering Air Temp. (°F)	Total Capacity (MBtuH)	Power Input (kW)	Heat of Abs. (MBtuH)	COP
50°	60°	77.31	4.74	61.12	4.8
60°		86.25	5.00	69.17	5.0
70°		95.20	5.27	77.22	5.3
80°		104.14	5.53	85.28	5.5
50°		70°	73.10	4.83	56.62
60°	81.55		5.09	64.16	4.7
70°	90.00		5.36	71.70	4.9
80°	98.45		5.63	79.25	5.1
50°	80°		68.15	4.93	51.32
60°		76.02	5.21	58.26	4.3
70°		83.89	5.48	65.20	4.5
80°		91.76	5.75	72.14	4.7

**LOW TEMP HEATING** Antifreeze Required

25°	60°	53.87	4.09	39.91	3.9
30°		58.25	4.22	43.85	4.0
40°		67.02	4.48	51.72	4.4
25°	70°	50.95	4.16	36.74	3.6
30°		55.10	4.30	40.43	3.8
40°		63.38	4.56	47.81	4.1
25°	80°	47.53	4.25	33.02	3.3
30°		51.39	4.39	36.41	3.4
40°		59.10	4.66	43.20	3.7

Units are complete packages containing compressor, reversing valve, expansion valve metering device, ECM fan motor and heat exchangers. Also included are safety controls: Overload protection for motors, high and low refrigerant pressure switches and solid state lock-out circuit. Optional UL approved internal electric heater, factory installed with primary thermal overload protection and magnetic contactors (208/230-1-60 only) optional UL approved internal Heat Recovery Package and/or Ground Loop Pump with purge connections available.

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