

EC Model Series

Commercial Water Source Heat Pumps

Engineering
Submittal
Sheet



BOSCH

Overview and Certifications



- ▶ 6 to 30 ton capacities
- ▶ Two Stage Ultra Compact Cabinet
- ▶ New and improved Scroll Compressors on sizes 072 and 096
- ▶ Single blower high static pressure capabilities

Commercial WSHP Product Portfolio

Product	Water-to-Air									Water-to-Water	
	LM	LM Splits	ES	EP	QV	LV	CA	EC	MC	WT	WW
Price	\$\$\$	\$\$\$	\$\$\$-	\$\$	\$+	\$	\$	\$\$	\$\$	\$\$	\$\$
Model Sizes <6 Ton	007			X		X					
	009			X		X	X				
	012			X		X	X				
	015			X		X	X				
	018			X	X	X	X				
	024	X	X	X	X	X					
	025		X							X	
	030	X		X	X	X					
	035		X							X	
	036	X	X	X	X	X					
	041					X					
	042			X	X	X					
	048	X	X	X	X	X					
	049		X							X	
Model Sizes >6 Ton	060	X	X	X	X	X					
	061		X							X	
	070	X		X		X				X	
	071		X								
	072							X			
	096							X			
	120							X			X
	122										X
	150							X			
	151							X			
	180							X			X
	181							X			
	210							X			X
	240							X			X
	300							X			
	360							X	X		X
	420										X
	480								X		
	600								X		
	720								X		

☒ Featured model

Bosch Thermotechnology Corp.
Londonderry, NH • Watertown, MA • Ft. Lauderdale, FL

EC Model Series - Commercial Water Source Heat Pumps



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Model Nomenclature

	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
	EC	300	-	4	VT	C	-	S	B	S	I	U	A	-	X	X	T	A	X	X	X	X	1	X	X	X	6	X	X	X	S	B	A			
MODEL: EC																																				
NOMINAL CAPACITY: 072, 096, 120, 150, 151, 180, 181, 210, 240, 242, 300, 360																																				
ELECTRICAL CONFIGURATION: 1 - 208-230/60/1 3 - 208-230/60/3 4 - 460/60/3 5 - 575/60/3																																				
CABINET CONFIGURATION: VT - Vertical HZ - Horizontal																																				
COAX OPTIONS: C - Copper N - Cupro-nickel																																				
WATER CONNECTIONS: F - Front S - Side																																				
RETURN AIR CONFIGURATION: B - Back F - Front L - Left R - Right																																				
DISCHARGE AIR LOCATION: T - Top F - Front R - Rear E - End Blow S - Straight Through																																				
FAN/MOTOR OPTION: I - Belt Drive, Inverter Duty X - Belt Drive																																				
AIR COIL: U - Uncoated D - DuoGuard																																				
REVISION LEVEL: A - sizes 120-360 B - sizes 072-096																																				
ELECTRIC HEAT: X - None																																				
CABINET CONSTRUCTION: A - Galv Steel / 1/2" Standard 1.5LB Dual Density Fiberglass B - T/A G90 Steel / 1/2" Standard 1.5LB Dual Density Fiberglass (ETO Only) C - G90 Steel / 1/2" Closed Cell Foam E - T/A G90 Steel / 1/2" Closed Cell Foam (ETO Only) D - G90 Steel / 1/2" Standard 1.5LB Dual Density Fiberglass, Extra Quiet L - T/A G90 Steel / 1/2" Standard 1.5LB Dual Density Fiberglass, Extra Quiet (ETO Only) F - G90 Steel / 1/2" Closed Cell Foam, Extra Quiet J - T/A G90 Steel / 1/2" Closed Cell Foam, Extra Quiet (ETO Only)																																				
APPLICATION: T - TXV Option G - Extended Range W/ Shrader Valve (Geothermal)																																				
CODE STRING LEVEL: A - Revision CHANNEL: B - Bosch STANDARD/SPECIAL: S - Standard A - Special#1 B - Special#2 NOT USED: X - None MOTOR/BLOWER ORIENTATION: X - Blower and Motor Standard Orientation B - Blower Rotated 180 Deg, Motor Standard M - Blower Standard, Motor Rotated 180 Deg N - Both Blower and Motor Rotated 180 Deg DRIVE SPEED (MC ONLY): X - None MOTOR HP (BELT DRIVE ONLY): A - 1 B - 1.5 C - 2 D - 3 E - 5 AIR FILTRATION: 1 - Standard Throw Away 3 - 2" 4 Sided Filter Rack with 1" Filter 8 - 2" 2 Sided Filter Rack NOT USED: X - None ECONOMIZER: X - None E - Economizer With 3 Way Valve and Controls H - Hot Water Coil (ETO Only) WATER FLOW CONTROL OPTIONS: X - None CONTROLS: X - Standard (UPM) M - DDC-5830-Multi-Protocol (BacNET, Modbus, N2) P - DDC-5830-Multi-Protocol (BacNET, Modbus, N2) w/Expander L - DDC-5830-LonWorks G - DDC-5830-LonWorks w/Expander I - Inverter J - DDC-5830-Multi-Protocol (BacNET, Modbus, N2) w/VFD, w/Expander T - DDC-5830-Multi-Protocol (BacNET, Modbus, N2) w/VFD K - DDC-5830-LonWorks w/VFD C - DDC-5830-LonWorks w/VFD, w/Expander TRANSFORMER: 7 - 75 VA 1 - 100 VA REFRIGERATION: X - None H - Hot Gas Reheat - On/Off B - Hot Gas Bypass C - Hot Gas Bypass with Hot Gas Reheat M - Modulating Hot Gas Reheat S - Straight Cool T - Hot Gas Bypass with Straight Cool J - Hot Gas Reheat with Straight Cool N - Modulating Hot Gas Reheat with Straight Cool (ETO Only) K - Hot Gas Bypass w Hot Gas Reheat, Modulating & Straight Cool (ETO Only) F - Hot Gas Bypass w Hot Gas Reheat, Modulating (ETO Only) G - Hot Gas Bypass w Hot Gas Reheat, On/Off & Straight Cool (ETO Only) ELECTRICAL OPTIONS: A - EMS relay B - Blower Monitor Relay C - Compressor Monitor Relay D - Phase Monitor E - Pump/valve relay G - Boilerless control H - Flow proving switch K - Fire Alarm Relay/Dual Power M - Wire to 208 volts X - As default for non used electrical codes																																				

EC Model Series - Commercial Water Source Heat Pumps



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AHRI Ratings (13256-1) - EC Series - AHRI Certified

Model Number	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump				Source Water Flow Rate (GPM)	Load Water Flow Rate (GPM)
	Cooling 86 deg.F		Heating 68 deg.F		Cooling 59 deg.F		Heating 50 deg.F		Cooling 77 deg.F		Heating 32 deg.F			
	Capacity BTU/h	EER	Capacity BTU/h	COP	Capacity BTU/h	EER	Capacity BTU/h	COP	Capacity BTU/h	EER	Capacity BTU/h	COP		
072	72400	13.45	81900	5.00	82300	19.90	68700	4.25	76000	15.60	54200	3.50	16	2320
096	95800	13.45	115700	4.90	107800	22.00	96300	4.35	100600	16.15	75500	3.55	21	2820
120	124000	13.20	158000	4.40	134000	18.30	123000	3.90	127200	14.70	100000	3.20	28	4000

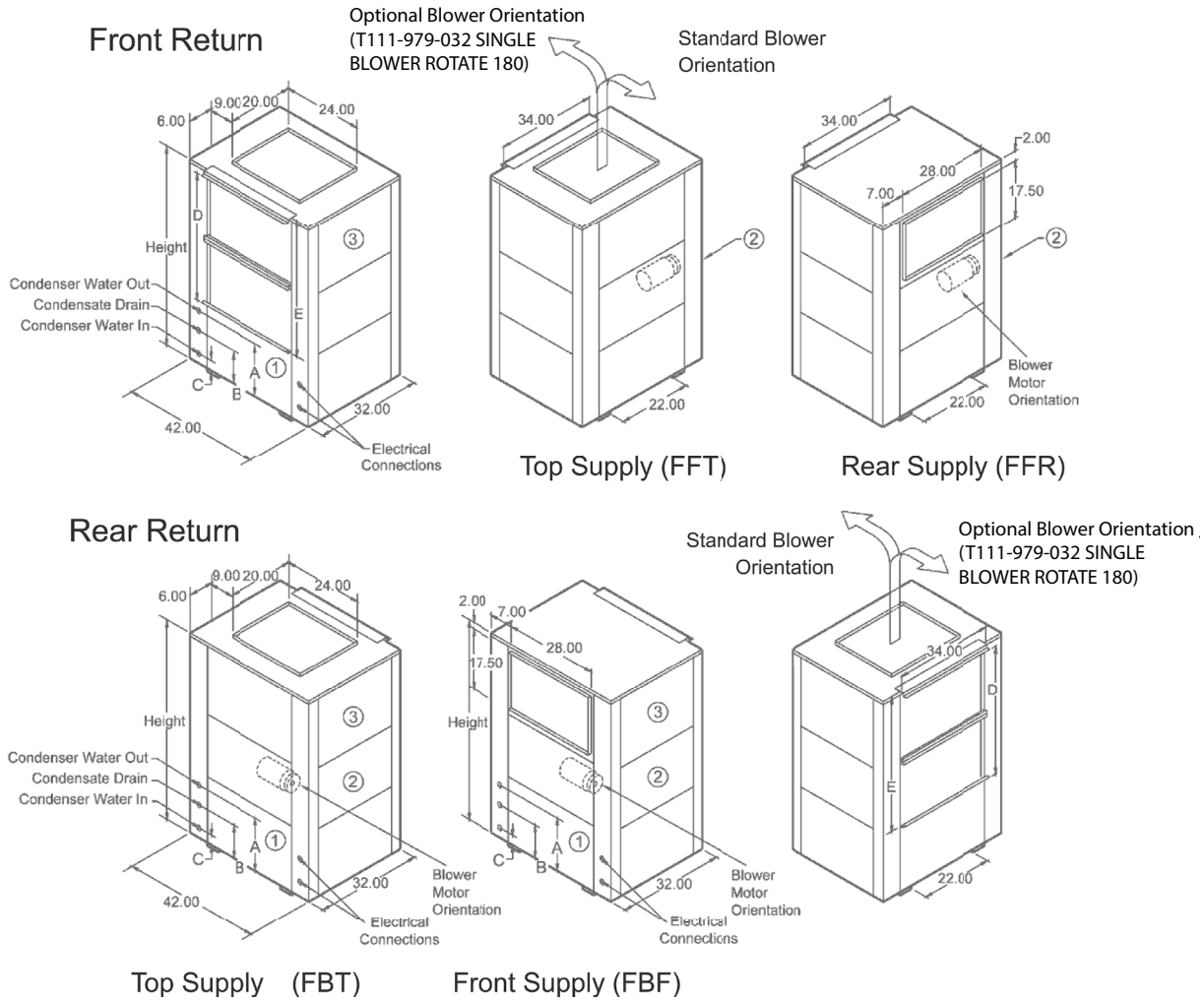
AHRI Ratings (13256-1) - EC Series - Rated in Accordance with AHRI

Model Number	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump				Water Flow Rate (GPM)
	Cooling 86 deg.F		Heating 68 deg.F		Cooling 59 deg.F		Heating 50 deg.F		Cooling 77 deg.F		Heating 32 deg.F		
	Capacity BTU/h	EER	Capacity BTU/h	COP	Capacity BTU/h	EER	Capacity BTU/h	COP	Capacity BTU/h	EER	Capacity BTU/h	COP	
150	157000	16.00	181000	5.60	185000	24.00	140000	5.00	166000	17.90	107000	4.20	35
151	147000	16.00	181000	5.60	175000	24.00	140000	5.00	155000	17.90	107000	4.20	35
180	182000	14.20	204000	5.00	195000	20.00	156000	4.20	185000	15.40	118000	3.50	42
181	170000	14.20	204000	5.00	185000	20.00	156000	4.20	175000	15.40	118000	3.50	42
210	220000	14.60	270000	5.10	292000	22.50	204000	4.50	250000	17.20	152000	3.90	50
240	248000	14.40	315000	5.00	310000	21.10	250000	4.50	275000	16.00	180000	3.90	60
242	248000	14.40	315000	5.00	310000	21.10	250000	4.50	275000	16.00	180000	3.90	60
300	295000	13.00	376000	4.20	365000	18.80	300000	3.80	318000	14.00	222000	3.20	75
360	386000	14.80	435000	4.20	472000	22.00	342000	4.00	412000	16.40	252000	3.30	90

EC Model Series - Commercial Water Source Heat Pumps



EC072-120 Vertical Unit Configurations & Dimensions



EC072-120 Vertical Unit Dimensions

Model	Width	Depth	Height	Distance Between Base Rails	Top Supply:					Rear Supply:					A	B	C	R/A Duct Width	Distance Between R/A Ducts	D	E	Condenser Water Connections (FPT)	Condensate Drain Connection (FPT)	Recommended Replacement Nominal Filter Size - 1" thick
					Supply Depth	Supply Width	Front to Supply	Left Side to Supply	Distance b/t Supply Ducts	Supply Height	Supply Width	Top to Supply	Right Side to Supply	Distance b/t Supply Ducts										
072	42.00	32.00	62.00	22.00	20.00	24.00	6.00	9.00	-	17.50	28.00	2.00	7.00	-	14.75	8.50	2.75	34.00	-	38.00	40.00	1"	3/4"	20 x 34.5 (2)
096	42.00	32.00	62.00	22.00	20.00	24.00	6.00	9.00	-	17.50	28.00	2.00	7.00	-	14.75	8.50	2.75	34.00	-	38.00	40.00	1"	3/4"	20 x 34.5 (2)
120	42.00	32.00	62.00	22.00	20.00	24.00	6.00	9.00	-	17.50	28.00	2.00	7.00	-	15.00	9.00	3.00	34.00	-	38.00	40.00	1 1/4"	3/4"	20 x 34.5 (2)

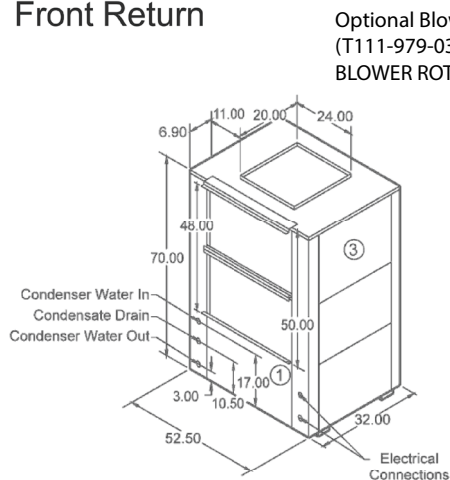
All dimensions in inches unless otherwise noted.

All dimensions within $\pm 0.125"$.

Specifications subject to change without notice.

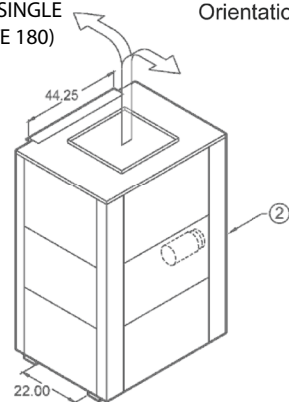
EC151-181 Vertical Unit Configurations & Dimensions

Front Return

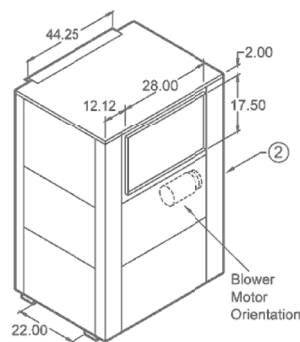


Optional Blower Orientation
(T111-979-032 SINGLE
BLOWER ROTATE 180°)

Standard Blower
Orientation

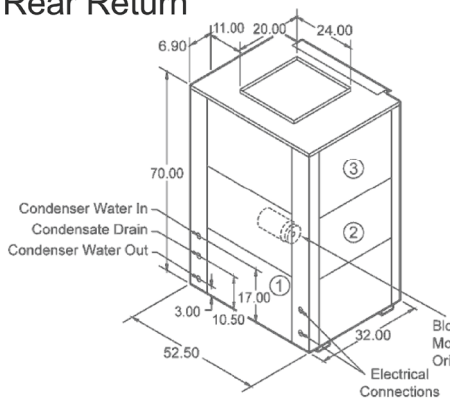


Top Supply (FFT)



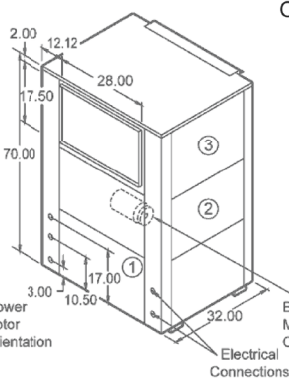
Rear Supply (FFR)

Rear Return



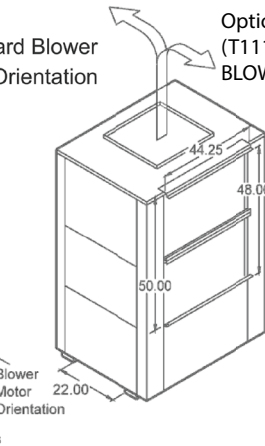
Standard Blower
Orientation

Optional Blower Orientation
(T111-979-032 SINGLE
BLOWER ROTATE 180°)



Top Supply (FBT)

Front Supply (FBF)



EC151-181 Vertical Unit Dimensions

Model	Width	Depth	Height	Distance Between Base Rails	Top Supply:					Rear Supply:					A	B	C	R/A Duct Width	Distance Between R/A Ducts	D	E	Condenser Water Connections (FPT)	Condensate Drain Connection (FPT)	Recommended Replacement Nominal Filter Size · 1" thick
					Supply Depth	Supply Width	Front to Supply	Left Side to Supply	Distance b/t Supply Ducts	Supply Height	Supply Width	Top to Supply	Right Side to Supply	Distance b/t Supply Ducts										
151	52.50	32.00	70.00	22.00	20.00	24.00	5.00	17.50	-	17.50	28.00	2.00	12.12	-	17.00	10.50	3.00	44.25	-	48.00	50.00	1 1/2"	3/4"	24 x 24 (4)
181	52.50	32.00	70.00	22.00	20.00	24.00	5.00	17.50	-	17.50	28.00	2.00	12.12	-	17.00	10.50	3.00	44.25	-	48.00	50.00	1 1/2"	3/4"	24 x 24 (4)

All dimensions in inches unless otherwise noted.

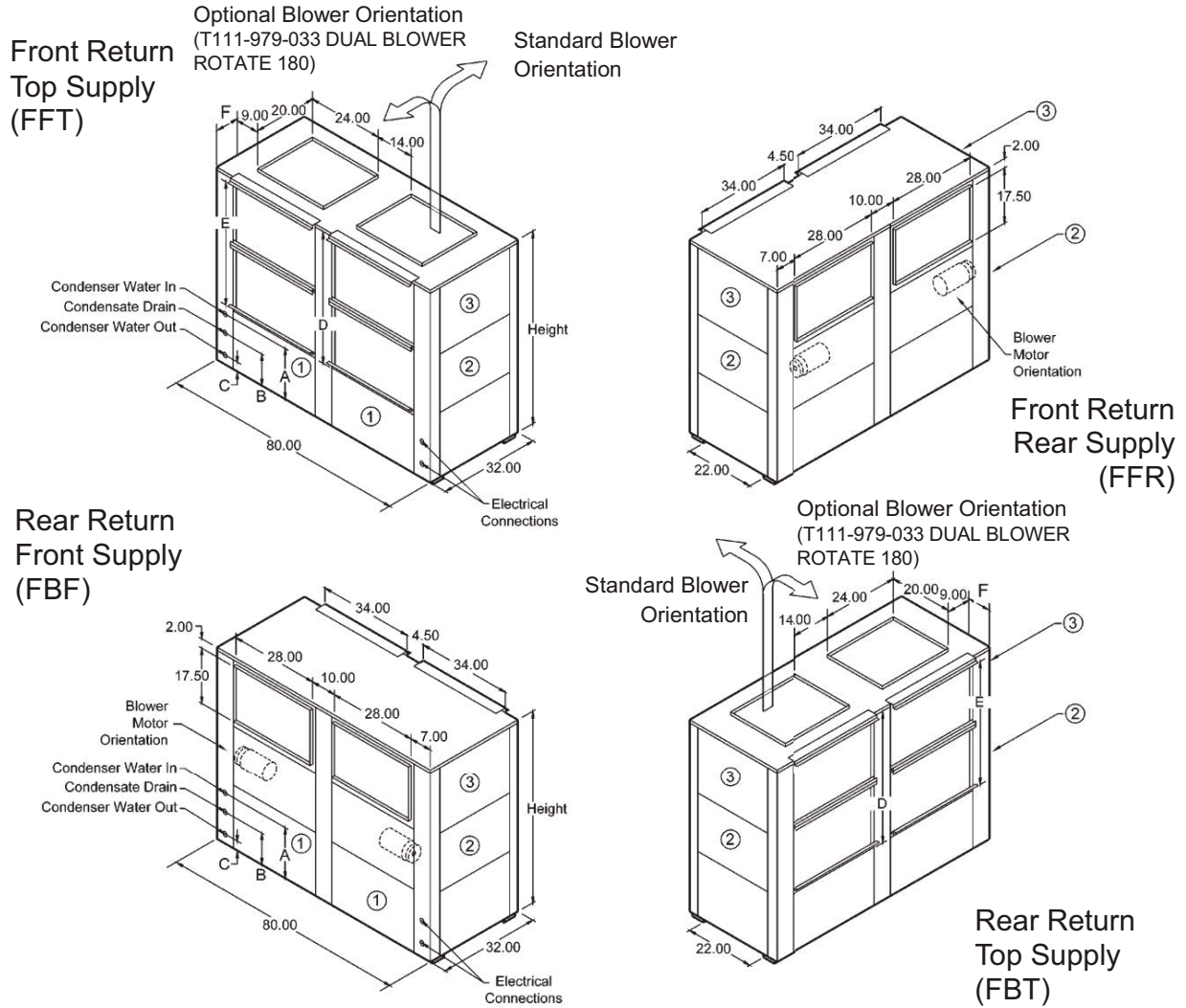
All dimensions within ± 0.125 ".

Specifications subject to change without notice.

EC Model Series - Commercial Water Source Heat Pumps



EC210-360 Vertical Unit Configurations & Dimensions



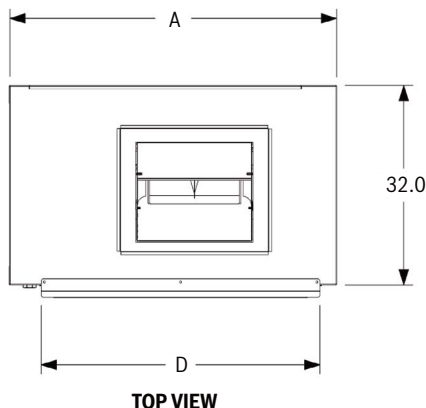
EC210-360 Vertical Unit Dimensions

Model	Width	Depth	Height	Distance Between Base Rails	Top Supply:					Rear Supply:					A	B	C	R/A Duct Width	Distance Between R/A Ducts	D	E	Condenser Water Connections (FPT)	Condensate Drain Connection (FPT)	Recommended Replacement Nominal Filter Size - 1" thick
					Supply Depth	Supply Width	Front to Supply	Left Side to Supply	Distance b/t Supply Ducts	Supply Height	Supply Width	Top to Supply	Right Side to Supply	Distance b/t Supply Ducts	Water Out	Bottom to Condensate Drain	Water In							
210	80.00	32.00	62.00	22.00	20.00	24.00	6.00	9.00	14.00	17.50	28.00	2.00	7.00	10.00	18.00	8.75	2.75	34.00	4.50	40.00	38.00	2"	1 1/4"	20 x 34.5 (4)
240	80.00	32.00	66.50	22.00	20.00	24.00	6.00	9.00	14.00	17.50	28.00	2.00	7.00	10.00	18.00	8.75	2.75	34.00	4.50	40.00	38.00	2"	1 1/4"	20 x 34.5 (4)
300	80.00	32.00	66.50	22.00	20.00	24.00	6.00	9.00	14.00	17.50	28.00	2.00	7.00	10.00	18.00	8.75	2.75	34.00	4.50	40.00	38.00	2"	1 1/4"	20 x 34.5 (4)
360	80.00	32.00	86.50	22.00	20.00	24.00	6.00	9.00	14.00	17.50	28.00	2.00	7.00	10.00	17.00	9.00	3.50	34.00	4.50	60.00	58.00	2"	1 1/4"	30 x 34.5 (4)

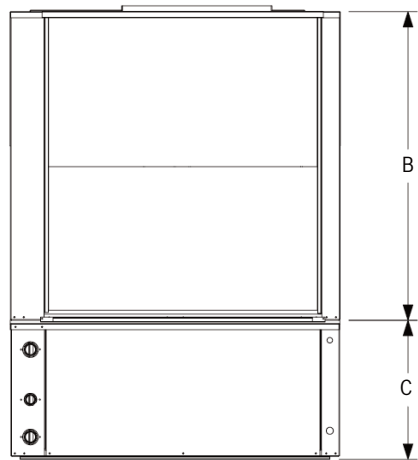
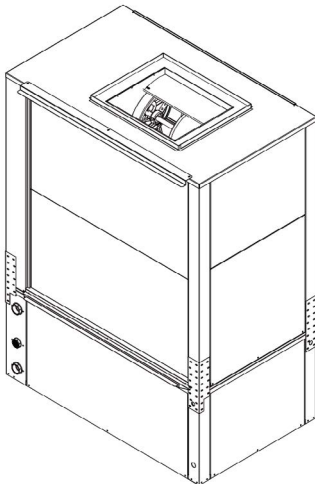
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All dimensions within $\pm 0.125"$.
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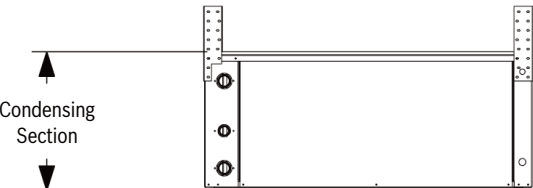
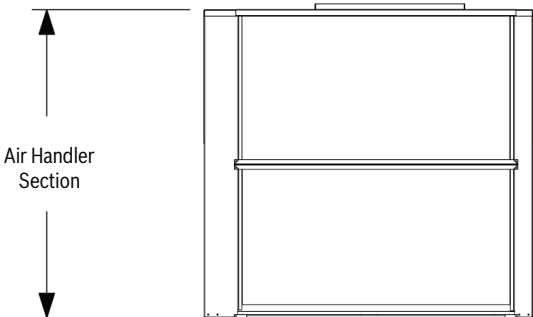
EC072-181 Vertical Unit Configurations & Dimensions with Take Apart Construction



TOP VIEW



FRONT VIEW



SPLIT VIEW

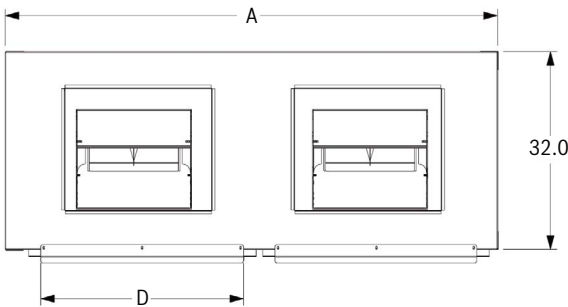
EC072-181 Vertical Unit Take Apart Dimensions

Model	Depth	Width	Height		Supply Width	Weight (lbs)	
		A	B	C	D	Air Handler	Condensing Section
072	32.00	42.00	42.00	22.00	33.00	204	396
096	32.00	42.00	42.00	22.00	33.00	242	468
120	32.00	42.00	42.00	22.00	33.00	264	511
151	32.00	52.50	50.00	22.00	45.00	330	640
181	32.00	52.50	50.00	22.00	45.00	360	700

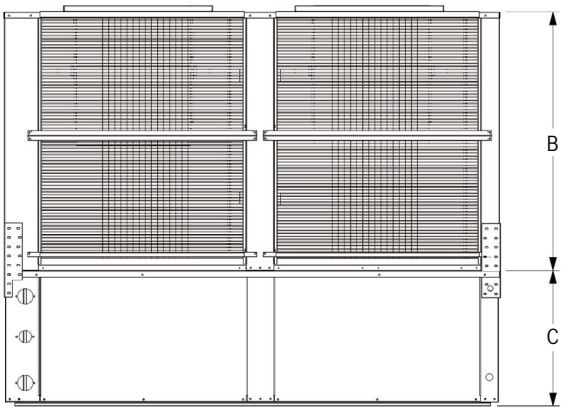
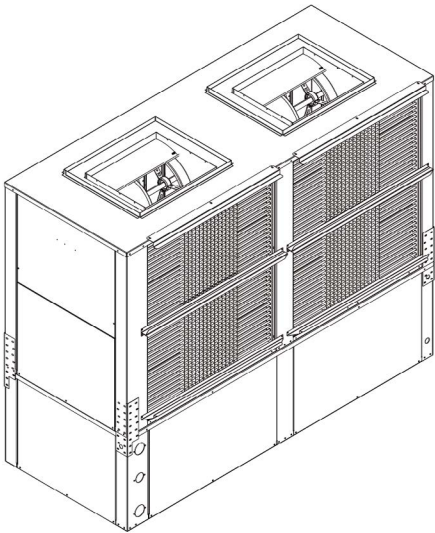
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All dimensions within $\pm 0.125"$.
Specifications subject to change without notice.



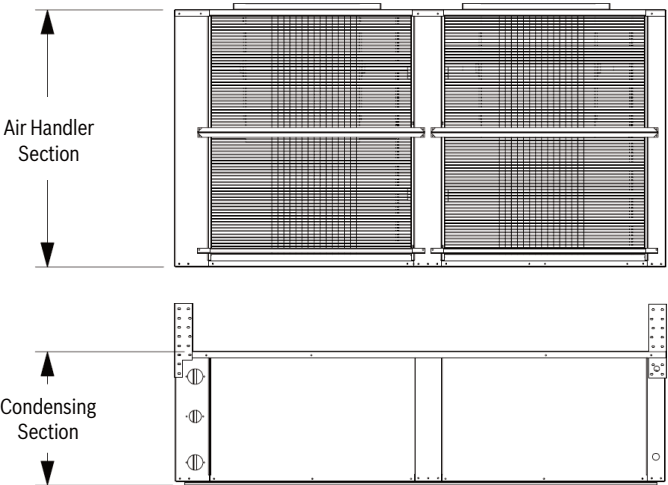
EC210-360 Vertical Unit Configurations & Dimensions with Take Apart Construction



TOP VIEW



FRONT VIEW



SPLIT VIEW

EC210-360 Vertical Unit Take Apart Dimensions

Model	Depth	Width	Height		Supply Width	Weight (lbs)	
		A	B	C	D	Air Handler	Condensing Section
210	32.00	80.00	42.00	22.00	33.00	408	792
240	32.00	80.00	42.00	26.00	33.00	460	890
300	32.00	80.00	42.00	26.00	33.00	500	970
360	32.00	80.00	62.00	27.00	33.00	595	1155

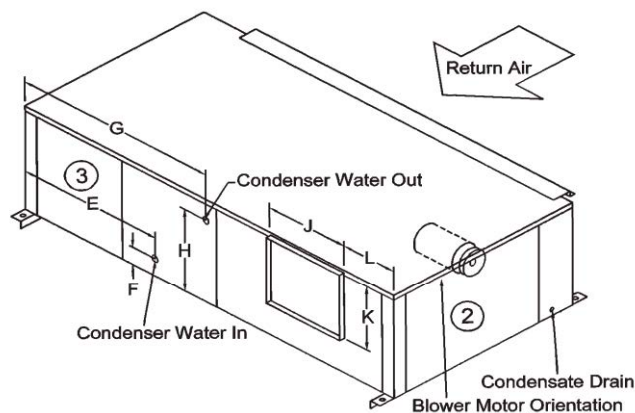
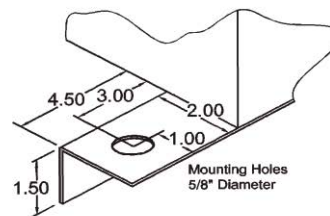
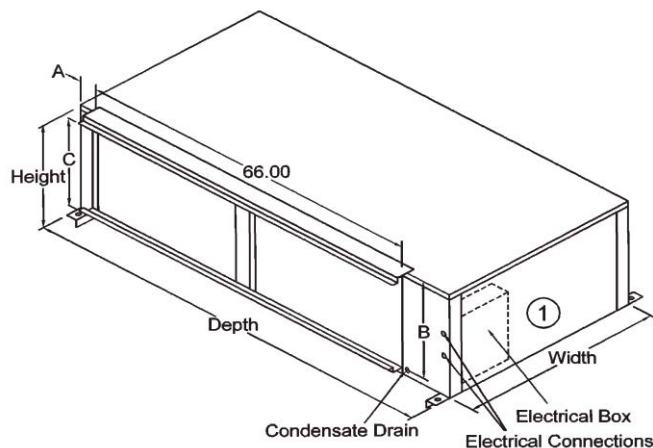
All dimensions in inches unless otherwise noted.
All dimensions within ± 0.125 ".
Specifications subject to change without notice.

EC Model Series - Commercial Water Source Heat Pumps

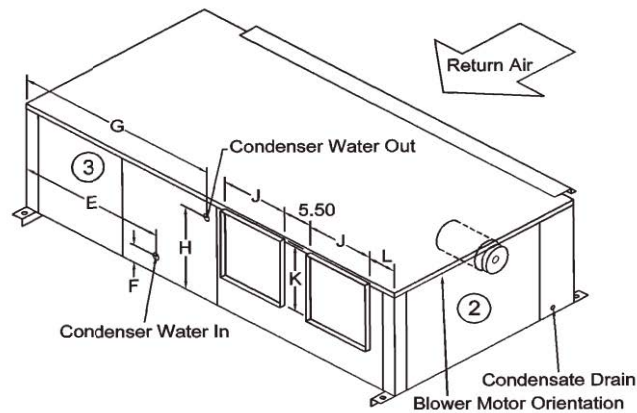


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EC072-150 Horizontal Unit Configurations & Dimensions



072, 096 & 150 (-SLS Only)



120 (-SLS Only)

EC072-150 Horizontal Unit Dimensions

Model	Width	Depth	Height	A	B	C	R/A Duct Width	E	F	G	H	J	K	L	M	Condenser Water Connections (FPT)	Condensate Drain Connection (FPT)	Recommended Replacement Nominal Filter Size - 1" thick
				Cab End to Filter Rack	Filter Rack Height	R/A Duct Flange Height		Front to Water In	Water In Height	Front to Water Out	Water Out Height	Supply Width	Supply Height	Rear to Supply	Distance b/t Supply Ducts			
072	38.00	78.00	21.50	2.00	20.50	18.50	66.00	28.00	2.75	28.00	14.50	15.50	13.50	10.50	5.50	1"	3/4"	20 x 34.5 (2)
096	38.00	78.00	21.50	2.00	20.50	18.50	66.00	26.25	3.50	28.00	19.25	15.50	13.50	10.50	5.50	1"	3/4"	20 x 34.5 (2)
120	38.00	78.00	21.50	2.00	20.50	18.50	66.00	27.50	3.38	28.00	16.75	12.50	13.50	5.25	5.50	1 1/4"	3/4"	20 x 34.5 (2)
150	42.00	82.00	25.50	2.00	20.50	18.50	66.00	24.00	2.75	24.00	17.75	18.50	16.00	14.00	5.50	1 1/2"	3/4"	24 x 34 (2)

All dimensions in inches unless otherwise noted.

All dimensions within $\pm 0.125"$.

Specifications subject to change without notice.

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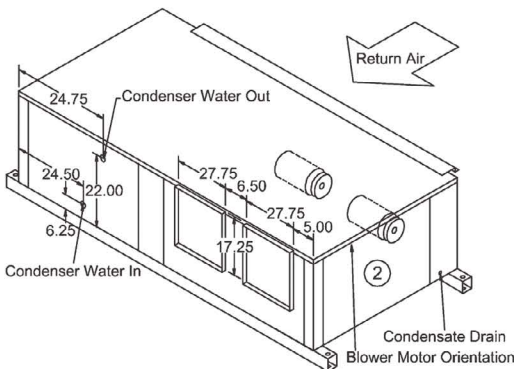
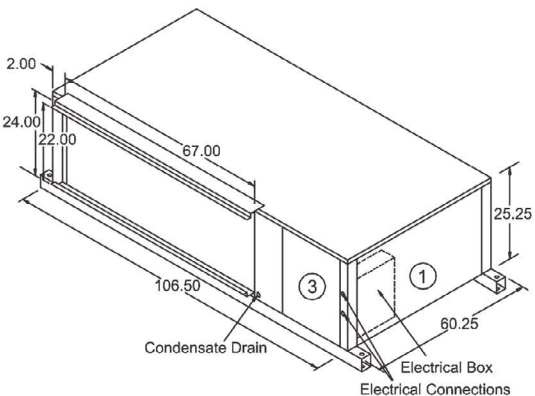
Bosch Thermotechnology Corp. reserves the right to make changes without notice due to continuing engineering and technological advances | BTC 761008103 E | 04.2023

Bosch Thermotechnology Corp.
Londonderry, NH • Watertown, MA • Ft. Lauderdale, FL

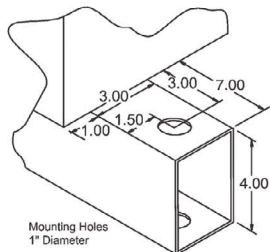
Tel: 1-866-642-3198 Fax: 1-603-965-7581 www.bosch-thermotechnology.us



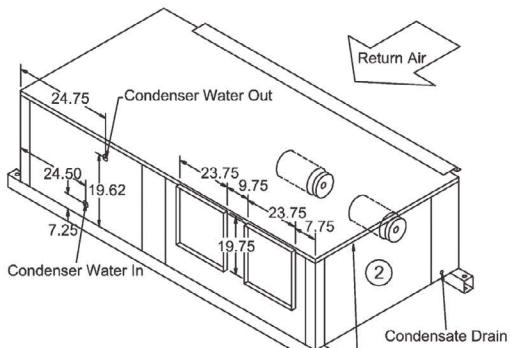
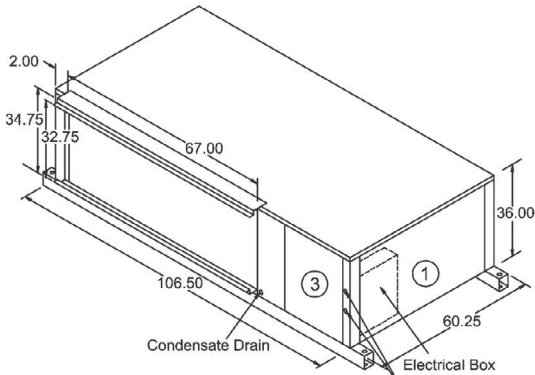
EC180-242 Horizontal Unit Configurations & Dimensions



EC180 SLS CONFIGURATION ONLY



MOUNTING BRACKET SECTION VIEW



EC242 SLS CONFIGURATION ONLY

EC180-242 Horizontal Unit Dimensions

Model	Width	Depth	Height	A	B	C	R/A Duct Width	E	F	G	H	J	K	L	M	Condenser Water Connections (FPT)	Condensate Drain Connection (FPT)	Recommended Replacement Nominal Filter Size - 1" thick
				Cab End to Filter Rack	Filter Rack Height	R/A Duct Flange Height		Front to Water In	Water In Height	Front to Water Out	Water Out Height	Supply Width	Supply Height	Rear to Supply	Distance b/t Supply Ducts			
180	60.25	106.50	25.25	2.00	24.00	22.00	67.00	22.00	6.25	22.00	16.00	27.75	17.25	5.00	4.00	1 1/2"	1 1/4"	24 x 34 (2)
242	60.25	106.50	36.00	2.00	34.75	32.75	67.00	24.50	7.25	24.50	19.62	23.75	19.75	7.75	9.75	2"	1 1/4"	17.25 x 34.5 (4)

All dimensions in inches unless otherwise noted.
All dimensions within ± 0.125 ".
Specifications subject to change without notice.

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Operating Limits – Heating and Cooling		
Cooling	Standard Unit	Extended Range
Minimum ambient air temperature °F	50	50
Maximum ambient air temperature °F	100	100
Minimum evaporator entering air db/wb °F	68/57	68/57
Rated air coil entering air db/wb °F	80/67	80/67
Maximum evaporator entering air db/wb °F	95/85	95/85
Minimum water coil entering fluid temperature °F	50	50
Water loop typical coil entering fluid range temperature °F	70/90	70/90
Maximum water coil entering fluid temperature °F	110	110
Heating	Standard Unit	Extended Range
Minimum ambient air temperature °F	50	40
Maximum ambient air temperature °F	100	85
Minimum evaporator entering air db °F	50	50
Rated air coil entering air °F	68	68
Maximum evaporator entering air db °F	80	80
Normal water coil entering fluid range °F	50-80	25-80
Minimum water coil entering Fluid °F	50	20*

* Antifreeze solution is required at these fluid temperatures.

Maximum and minimum fluid conditions are at unit rated flow rate.

Maximum and minimum operating limits may not be combined. If one value is at either maximum or minimum, the other value(s) must be within normal operating range.

Antifreeze Correction							
Antifreeze Type	Antifreeze Volume %	Cooling			Heating		WPD Correction Factor EWT 30 °F
		EWT 90 Deg.F			EWT 30 Deg. 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	0.997	0.997	1.004	0.989	0.997	1.060
	10	0.994	0.994	1.006	0.986	0.995	1.125
	15	0.990	0.990	1.009	0.978	0.988	1.190
	25	0.983	0.983	1.016	0.960	0.979	1.300
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	0.997	0.997	1.003	0.993	0.998	1.060
	10	0.995	0.995	1.004	0.986	0.996	1.120
	15	0.992	0.992	1.005	0.980	0.993	1.190
	25	0.988	0.988	1.009	0.970	0.990	1.330
	30	0.985	0.985	1.012	0.965	0.987	1.400

EC Model Series - Commercial Water Source Heat Pumps



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EC072 - Temperature Pressure Operating Data

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	10.0	Operation Not Recommended				65- 80	282-344	6- 7	14-17
	16.0					73- 89	294-359	3- 4	15-18
40	10.0	121-148	184-225	17-21	18-22	80- 98	299-365	7- 9	16-20
	16.0	117-143	167-204	10-13	19-23	89-108	311-380	4- 5	17-21
50	10.0	123-151	222-271	17-20	17-21	95-116	315-385	9-11	19-23
	16.0	119-145	202-247	10-12	18-23	105-128	329-402	5- 7	20-24
60	10.0	125-153	260-318	16-19	17-21	109-133	332-406	11-13	21-26
	16.0	120-147	237-289	10-12	18-22	121-148	346-423	6- 8	22-27
70	10.0	127-155	298-365	15-19	17-20	124-151	349-427	12-15	23-28
	16.0	122-149	271-331	9-11	18-21	138-168	364-444	7- 9	25-30
80	10.0	129-158	336-411	14-18	16-20	138-169	366-447	14-17	26-31
	16.0	124-152	306-374	9-11	17-21	154-188	381-466	8-10	27-33
90	10.0	131-160	374-458	14-17	16-19	153-187	383-468	16-19	28-34
	16.0	126-154	340-416	8-10	17-20	170-208	399-487	9-12	29-36
100	10.0	133-162	413-504	13-16	15-19	Operation Not Recommended			
	16.0	128-156	375-458	8-10	16-20				

EC096 - Temperature Pressure Operating Data

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	13.0	Operation Not Recommended				72- 87	296-361	5- 6	21-25
	22.0					75- 92	301-368	3- 4	22-26
40	13.0	114-139	155-190	14-17	22-27	88-107	314-384	6- 7	24-29
	22.0	108-132	147-180	10-12	23-28	92-112	321-392	4- 5	25-30
50	13.0	116-142	192-234	13-16	21-26	104-127	333-407	7- 9	27-33
	22.0	111-135	182-222	9-12	22-27	109-133	340-415	5- 6	28-34
60	13.0	119-146	228-279	13-16	21-26	120-146	352-430	8-10	30-37
	22.0	113-138	217-265	9-11	22-27	125-153	359-439	6- 7	32-39
70	13.0	122-149	264-323	13-15	20-25	136-166	371-453	9-12	33-41
	22.0	116-142	251-307	9-11	21-26	142-174	378-462	7- 8	35-43
80	13.0	125-152	301-368	12-15	20-24	152-185	389-476	11-13	36-44
	22.0	118-145	286-349	9-11	21-26	159-194	397-485	8- 9	38-47
90	13.0	127-156	337-412	12-15	19-24	168-205	408-499	12-15	39-48
	22.0	121-148	320-392	9-10	20-25	176-215	416-509	8-10	41-51
100	13.0	130-159	374-457	12-14	19-23	Operation Not Recommended			
	22.0	124-151	355-434	8-10	20-24				

EC Model Series - Commercial Water Source Heat Pumps



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EC120 - Temperature Pressure Operating Data

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	16.0	Operation Not Recommended				73- 89	266-325	5- 6	15-18
	32.0					77- 94	272-333	3- 4	16-19
40	16.0	117-143	189-231	14-17	18-22	86-105	279-341	6- 7	17-21
	32.0	112-137	178-217	8- 9	19-24	90-110	286-350	4- 5	18-22
50	16.0	126-154	221-270	14-17	18-21	162-198	293-358	7- 8	20-24
	32.0	121-148	207-253	8- 9	19-23	170-208	300-366	5- 6	21-25
60	16.0	131-160	252-308	13-16	17-21	110-134	306-374	8-10	22-27
	32.0	125-153	237-290	8- 9	18-22	115-141	314-383	6- 7	23-29
70	16.0	135-165	284-347	13-16	17-20	122-150	320-391	9-11	24-30
	32.0	130-158	266-326	7- 9	18-22	129-157	327-400	6- 8	26-32
80	16.0	140-171	320-391	13-16	16-20	134-164	333-407	11-13	27-33
	32.0	134-164	300-367	7- 9	17-21	141-172	341-417	7- 9	28-35
90	16.0	144-176	360-440	13-16	16-19	147-179	347-424	12-14	29-36
	32.0	138-169	338-414	7- 9	17-21	154-188	355-434	8-10	31-38
100	16.0	149-182	405-495	13-15	15-19	Operation Not Recommended			
	32.0	143-174	381-465	7- 9	16-20				

EC150/151 - Temperature Pressure Operating Data

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	22.0	Operation Not Recommended				74- 90	244-299	3- 4	13-15
	38.0					78- 95	251-306	2- 3	13-16
40	22.0	122-149	183-224	14-18	19-23	87-106	257-314	4- 5	15-18
	38.0	117-143	172-210	8-10	20-24	91-111	263-322	3- 3	16-19
50	22.0	131-160	214-261	14-18	18-22	164-201	269-329	5- 6	17-20
	38.0	126-154	201-245	8-10	19-24	173-211	276-337	3- 4	18-22
60	22.0	136-166	244-298	14-17	18-22	111-136	282-344	6- 7	19-23
	38.0	131-160	230-281	8-10	19-23	117-143	289-353	4- 5	20-24
70	22.0	141-172	275-336	14-17	17-21	124-152	294-360	7- 8	21-25
	38.0	135-165	258-316	8-10	18-22	131-160	302-369	5- 6	22-27
80	22.0	145-178	310-378	14-17	17-20	136-166	307-375	8- 9	23-28
	38.0	140-171	291-356	8-10	18-22	143-175	314-384	5- 6	24-30
90	22.0	150-183	349-426	14-17	16-19	149-182	319-390	8-10	25-30
	38.0	144-176	328-401	8- 9	17-21	156-191	327-400	6- 7	26-32
100	22.0	155-189	392-480	13-16	16-19	Operation Not Recommended			
	38.0	149-182	369-451	8- 9	17-21				

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EC180/181 - Temperature Pressure Operating Data

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	25.0	Operation Not Recommended				64- 78	248-303	5- 6	15-18
	45.0					67- 82	254-311	3- 4	16-19
40	25.0	109-134	183-224	18-22	19-23	75- 91	261-319	6- 8	17-21
	45.0	105-128	172-210	10-12	20-25	79- 96	267-327	4- 5	18-23
50	25.0	118-144	214-261	18-22	19-23	142-173	273-334	8-10	20-24
	45.0	113-138	201-245	10-12	20-24	149-182	280-342	5- 7	21-26
60	25.0	122-149	244-298	17-21	18-22	96-117	286-349	9-11	22-27
	45.0	117-143	230-281	10-12	19-24	101-123	293-358	6- 8	24-29
70	25.0	126-154	275-336	17-21	18-22	107-131	299-365	11-13	25-30
	45.0	121-148	258-316	10-12	19-23	113-138	306-374	7- 9	26-32
80	25.0	130-159	310-378	17-21	17-21	117-143	311-380	12-15	27-33
	45.0	125-153	291-356	10-12	18-22	123-151	319-390	8-10	29-35
90	25.0	134-164	349-426	17-20	17-20	128-157	324-396	13-16	29-36
	45.0	129-158	328-401	9-12	18-22	135-165	332-406	9-11	31-38
100	25.0	139-170	392-480	16-20	16-20	Operation Not Recommended			
	45.0	133-163	369-451	9-11	17-21				

EC210 - Temperature Pressure Operating Data

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	28.0	Operation Not Recommended				71- 87	277-339	6- 7	15-19
	52.0					75- 92	284-347	4- 5	16-20
40	28.0	118-144	194-237	21-25	19-23	84-102	291-356	7- 9	18-22
	52.0	113-138	182-223	12-14	20-24	88-108	299-365	5- 6	19-23
50	28.0	127-155	226-276	21-25	18-22	159-194	305-373	9-11	20-25
	52.0	122-149	213-260	12-14	19-24	167-204	313-383	6- 7	21-26
60	28.0	131-160	259-316	21-25	18-22	108-132	320-391	10-13	23-28
	52.0	126-154	243-297	12-14	19-23	113-138	328-400	7- 9	24-29
70	28.0	136-166	291-355	20-25	17-21	120-147	334-408	12-15	25-31
	52.0	130-159	273-334	12-14	18-22	126-154	342-418	8-10	27-32
80	28.0	140-171	328-401	20-24	17-20	131-161	348-425	14-17	27-34
	52.0	135-165	308-377	11-14	18-22	138-169	356-436	9-11	29-36
90	28.0	145-177	369-451	20-24	16-20	144-176	362-442	15-18	30-37
	52.0	139-170	347-424	11-14	17-21	151-185	371-453	10-12	32-39
100	28.0	149-183	415-508	19-24	16-19	Operation Not Recommended			
	52.0	143-175	391-477	11-14	17-21				

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EC240/242 - Temperature Pressure Operating Data

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	32.0	Operation Not Recommended				68- 84	256-313	5- 7	19-23
	64.0					73- 89	261-319	4- 5	20-25
40	32.0	113-138	172-210	18-22	19-23	81- 99	277-339	7- 8	22-26
	64.0	110-134	161-196	12-14	20-24	86-105	283-346	5- 6	23-28
50	32.0	116-142	206-252	17-21	19-23	93-114	299-365	8- 9	24-29
	64.0	112-137	193-236	12-14	19-24	99-121	305-373	6- 7	25-31
60	32.0	118-145	241-294	17-21	18-23	106-129	321-392	9-11	26-32
	64.0	115-140	225-275	11-14	19-23	113-138	327-400	7- 8	28-34
70	32.0	121-148	275-336	17-21	18-22	118-145	342-418	10-12	29-35
	64.0	117-143	257-314	11-14	19-23	126-154	349-427	8- 9	30-37
80	32.0	123-151	309-378	16-20	18-22	131-160	364-444	11-14	31-38
	64.0	120-146	289-353	11-13	19-23	139-170	371-454	8-10	33-40
90	32.0	126-154	344-420	16-20	18-22	143-175	385-471	12-15	33-41
	64.0	122-149	321-392	11-13	18-22	152-186	393-480	9-11	35-43
100	32.0	128-157	378-462	16-19	17-21	Operation Not Recommended			
	64.0	125-152	353-432	11-13	18-22				

EC300 - Temperature Pressure Operating Data

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	45.0	Operation Not Recommended				68- 84	256-313	5- 7	19-23
	75.0					73- 89	261-319	4- 5	20-25
40	45.0	117-143	210-256	15-19	21-26	81- 99	277-339	7- 8	22-26
	75.0	114-139	196-239	11-14	22-27	86-105	283-346	5- 6	23-28
50	45.0	120-147	243-297	15-18	20-25	93-114	299-365	8- 9	24-29
	75.0	117-143	227-277	11-14	21-26	99-121	305-373	6- 7	25-31
60	45.0	123-150	276-337	14-17	20-24	106-129	321-392	9-11	26-32
	75.0	119-146	258-315	11-13	21-25	113-138	327-400	7- 8	28-34
70	45.0	126-154	309-378	14-17	19-24	118-145	342-418	10-12	29-35
	75.0	122-149	289-353	10-13	20-25	126-154	349-427	8- 9	30-37
80	45.0	129-157	343-419	13-16	19-23	131-160	364-444	11-14	31-38
	75.0	125-153	320-391	10-12	19-24	139-170	371-454	8-10	33-40
90	45.0	132-161	376-459	13-16	18-22	143-175	385-471	12-15	33-41
	75.0	128-156	351-429	10-12	19-23	152-186	393-480	9-11	35-43
100	45.0	134-164	409-500	12-15	17-21	Operation Not Recommended			
	75.0	131-160	382-467	9-11	18-22				

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EC360 - Temperature Pressure Operating Data

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	50.0	Operation Not Recommended				65- 80	282-344	6- 7	14-17
	90.0					73- 89	294-359	3- 4	15-18
40	50.0	121-148	184-225	17-21	18-22	80- 98	299-365	7- 9	16-20
	90.0	117-143	167-204	10-13	19-23	89-108	311-380	4- 5	17-21
50	50.0	123-151	222-271	17-20	17-21	95-116	315-385	9-11	19-23
	90.0	119-145	202-247	10-12	18-23	105-128	329-402	5- 7	20-24
60	50.0	125-153	260-318	16-19	17-21	109-133	332-406	11-13	21-26
	90.0	120-147	237-289	10-12	18-22	121-148	346-423	6- 8	22-27
70	50.0	127-155	298-365	15-19	17-20	124-151	349-427	12-15	23-28
	90.0	122-149	271-331	9-11	18-21	138-168	364-444	7- 9	25-30
80	50.0	129-158	336-411	14-18	16-20	138-169	366-447	14-17	26-31
	90.0	124-152	306-374	9-11	17-21	154-188	381-466	8-10	27-33
90	50.0	131-160	374-458	14-17	16-19	153-187	383-468	16-19	28-34
	90.0	126-154	340-416	8-10	17-20	170-208	399-487	9-12	29-36
100	50.0	133-162	413-504	13-16	15-19	Operation Not Recommended			
	90.0	128-156	375-458	8-10	16-20				

EC Model Series - Commercial Water Source Heat Pumps



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Electrical Data - EC072-151 w/ Belt Drive Motor

Model	Voltage Code	Voltage/Hz/ Phase	Voltage Min/Max	Compressor				Total Unit w/ Belt Drive Motor						
				Compressor model	QTY	RLA (each)	LRA (each)	Motor Qty	Motor PN	Motor HP	FLA	Min Circuit Amps	MOP CALC	Max Fuse/HACR
072	1	208-230/1/60	197/253	ZP31K6EPFV	2	15.4	83.9	1	8-733-811-340	1.0	7.0	41.7	57.1	50
	1	208-230/1/60	197/253	ZP31K6EPFV	2	15.4	83.9	1	8-733-811-345	1.5	8.5	43.2	58.6	50
	1	208-230/1/60	197/253	ZP31K6EPFV	2	15.4	83.9	1	8-733-811-344	2.0	9.8	44.5	59.9	50
	3	208-230/3/60	197/253	ZP31K6ETF5	2	10.4	73.0	1	8-733-811-341	1.0	3.6	27.0	37.4	35
	3	208-230/3/60	197/253	ZP31K6ETF5	2	10.4	73.0	1	8-733-811-338	1.5	4.8	28.2	38.6	35
	3	208-230/3/60	197/253	ZP31K6ETF5	2	10.4	73.0	1	8-733-811-339	2.0	6.2	29.6	40.0	40
	3	208-230/3/60	197/253	ZP31K6ETF5	2	10.4	73.0	1	8-733-815-039	3.0	8.0	31.4	41.8	40
	4	460/3/60	414/506	ZP31K6ETFD	2	5.8	38.0	1	8-733-811-341	1.0	1.8	14.9	20.7	20
	4	460/3/60	414/506	ZP31K6ETFD	2	5.8	38.0	1	8-733-811-338	1.5	2.4	15.5	21.3	20
	4	460/3/60	414/506	ZP31K6ETFD	2	5.8	38.0	1	8-733-811-339	2.0	3.1	16.2	22.0	20
096	4	460/3/60	414/506	ZP31K6ETFD	2	5.8	38.0	1	8-733-815-039	3.0	3.9	17.0	22.8	20
	1	208-230/1/60	197/253	ZP42K6EPFV	2	19.6	130.0	1	8-733-811-345	1.5	8.5	52.6	72.2	70
	1	208-230/1/60	197/253	ZP42K6EPFV	2	19.6	130.0	1	8-733-811-344	2.0	9.8	53.9	73.5	70
	3	208-230/3/60	197/253	ZP42K6ETF5	2	13.7	83.1	1	8-733-811-338	1.5	4.8	35.6	49.3	45
	3	208-230/3/60	197/253	ZP42K6ETF5	2	13.7	83.1	1	8-733-811-339	2.0	6.2	37.0	50.7	50
	3	208-230/3/60	197/253	ZP42K6ETF5	2	13.7	83.1	1	8-733-815-039	3.0	8.0	38.8	52.5	50
	4	460/3/60	414/506	ZP42K6ETFD	2	6.2	41.0	1	8-733-811-338	1.5	2.4	16.4	22.6	20
	4	460/3/60	414/506	ZP42K6ETFD	2	6.2	41.0	1	8-733-811-339	2.0	3.1	17.1	23.3	20
	4	460/3/60	414/506	ZP42K6ETFD	2	6.2	41.0	1	8-733-815-039	3.0	3.9	17.9	24.1	20
	5	575/3/60	518/632	ZP42K6ETFE	2	4.8	33.0	1	8-733-811-342	1.5	2.0	12.8	17.6	15
	5	575/3/60	518/632	ZP42K6ETFE	2	4.8	33.0	1	8-733-811-343	2.0	2.6	13.4	18.2	15
	5	575/3/60	518/632	ZP42K6ETFE	2	4.8	33.0	1	8-733-815-040	3.0	3.7	14.5	19.3	15
120 VT	1	208-230/1/60	197/253	ZP54K6EPFV	2	24.7	166.0	1	8-733-811-344	2.0	9.8	65.4	90.1	90
	3	208-230/3/60	197/253	ZP54K6ETF5	2	15.6	110.0	1	8-733-811-339	2.0	6.2	41.3	56.9	50
	4	460/3/60	414/506	ZP54K6ETFD	2	7.8	52.0	1	8-733-811-339	2.0	3.1	20.7	28.5	25
	5	575/3/60	518/632	ZP54K6ETFE	2	5.8	38.9	1	8-733-811-343	2.0	2.6	15.7	21.5	20
	3	208-230/3/60	197/253	ZP54K6ETF5	2	15.6	110.0	1	8-733-815-039	3.0	8.0	43.1	58.7	50
	3	208-230/3/60	197/253	ZP54K6ETF5	2	15.6	110.0	1	8-733-815-041	5.0	13.4	48.5	64.1	60
	4	460/3/60	414/506	ZP54K6ETFD	2	7.8	52.0	1	8-733-815-039	3.0	3.9	21.5	29.3	25
	4	460/3/60	414/506	ZP54K6ETFD	2	7.8	52.0	1	8-733-815-041	5.0	6.6	24.2	32.0	30
	5	575/3/60	518/632	ZP54K6ETFE	2	5.8	38.9	1	8-733-815-040	3.0	3.7	16.8	22.6	20
	5	575/3/60	518/632	ZP54K6ETFE	2	5.8	38.9	1	8-733-815-042	5.0	5.4	18.5	24.3	20
150	3	208-230/3/60	197/253	ZP57K5ETF5	2	19.2	136.0	1	8-733-815-039	3.0	9.2	52.4	71.6	70
	3	208-230/3/60	197/253	ZP57K5ETF5	2	19.2	136.0	1	8-733-815-041	5.0	13.4	56.6	75.8	70
	4	460/3/60	414/506	ZP57K5ETFD	2	8.7	66.1	1	8-733-815-039	3.0	4.3	23.9	32.6	30
	4	460/3/60	414/506	ZP57K5ETFD	2	8.7	66.1	1	8-733-815-041	5.0	6.6	26.2	34.9	30
	5	575/3/60	518/632	ZP57K5ETFE	2	6.9	55.3	1	8-733-815-040	3.0	3.7	19.2	26.1	25
	5	575/3/60	518/632	ZP57K5ETFE	2	6.9	55.3	1	8-733-815-042	5.0	5.4	20.9	27.8	25
151	3	208-230/3/60	197/253	ZP57K5ETF5	2	19.2	136.0	1	8-733-815-039	3.0	8.0	51.2	70.4	70
	3	208-230/3/60	197/253	ZP57K5ETF5	2	19.2	136.0	1	8-733-815-041	5.0	13.4	56.6	75.8	70
	4	460/3/60	414/506	ZP57K5ETFD	2	8.7	66.1	1	8-733-815-039	3.0	3.9	23.5	32.2	30
	4	460/3/60	414/506	ZP57K5ETFD	2	8.7	66.1	1	8-733-815-041	5.0	6.6	26.2	34.9	30
	5	575/3/60	518/632	ZP57K5ETFE	2	6.9	55.3	1	8-733-815-040	3.0	3.7	19.2	26.1	25
	5	575/3/60	518/632	ZP57K5ETFE	2	6.9	55.3	1	8-733-815-042	5.0	5.4	20.9	27.8	25

EC Model Series - Commercial Water Source Heat Pumps



BOSCH

Electrical Data - EC180-360 w/ Belt Drive Motor

Model	Voltage Code	Voltage/Hz/ Phase	Voltage Min/Max	Compressor				Total Unit w/ Belt Drive Motor						
				Compressor model	QTY	RLA (each)	LRA (each)	Motor Qty	Motor PN	Motor HP	FLA	Min Circuit Amps	MOP CALC	Max Fuse/HACR
180	3	208-230/3/60	197/253	ZP67KCETF5	2	22.4	149.0	2	8-733-811-339	2.0	6.2	62.8	85.2	80
	3	208-230/3/60	197/253	ZP67KCETF5	2	22.4	149.0	2	8-733-815-039	3.0	8.0	66.4	88.8	80
	3	208-230/3/60	197/253	ZP67KCETF5	2	22.4	149.0	2	8-733-815-041	5.0	13.4	77.2	99.6	90
	4	460/3/60	414/506	ZP67KCETFD	2	10.6	75.0	2	8-733-811-339	2.0	3.1	30.1	40.7	40
	4	460/3/60	414/506	ZP67KCETFD	2	10.6	75.0	2	8-733-815-039	3.0	3.9	31.7	42.3	40
	4	460/3/60	414/506	ZP67KCETFD	2	10.6	75.0	2	8-733-815-041	5.0	6.6	37.1	47.7	45
	5	575/3/60	518/632	ZP67KCETFE	2	7.7	54.0	2	8-733-811-343	2.0	2.6	22.5	30.2	30
	5	575/3/60	518/632	ZP67KCETFE	2	7.7	54.0	2	8-733-815-040	3.0	3.7	24.7	32.4	30
181	5	575/3/60	518/632	ZP67KCETFE	2	7.7	54.0	2	8-733-815-042	5.0	5.4	28.1	35.8	35
	3	208-230/3/60	197/253	ZP67KCETF5	2	22.4	149.0	1	8-733-815-041	5.0	13.4	63.8	86.2	80
	4	460/3/60	414/506	ZP67KCETFD	2	10.6	75.0	1	8-733-815-041	5.0	6.6	30.5	41.1	40
210	5	575/3/60	518/632	ZP67KCETFE	2	7.7	54.0	1	8-733-815-042	5.0	5.4	22.7	30.4	30
	3	208-230/3/60	197/253	ZP90KCETF5	2	29.5	195.0	2	8-733-811-338	1.5	4.8	76.0	105.5	100
	3	208-230/3/60	197/253	ZP90KCETF5	2	29.5	195.0	2	8-733-811-339	2.0	6.2	78.8	108.3	100
	3	208-230/3/60	197/253	ZP90KCETF5	2	29.5	195.0	2	8-733-815-039	3.0	8.0	82.4	111.9	110
	3	208-230/3/60	197/253	ZP90KCETF5	2	29.5	195.0	2	8-733-815-041	5.0	13.4	93.2	122.7	110
	4	460/3/60	414/506	ZP90KCETFD	2	14.7	95.0	2	8-733-811-338	1.5	2.4	37.9	52.6	50
	4	460/3/60	414/506	ZP90KCETFD	2	14.7	95.0	2	8-733-811-339	2.0	3.1	39.3	54.0	50
	4	460/3/60	414/506	ZP90KCETFD	2	14.7	95.0	2	8-733-815-039	3.0	3.9	40.9	55.6	50
	4	460/3/60	414/506	ZP90KCETFD	2	14.7	95.0	2	8-733-815-041	5.0	6.6	46.3	61.0	60
	5	575/3/60	518/632	ZP90KCETFE	2	12.2	80.0	2	8-733-811-342	1.5	2.0	31.5	43.7	40
	5	575/3/60	518/632	ZP90KCETFE	2	12.2	80.0	2	8-733-811-343	2.0	2.6	32.7	44.9	40
	5	575/3/60	518/632	ZP90KCETFE	2	12.2	80.0	2	8-733-815-040	3.0	3.7	34.9	47.1	45
240	5	575/3/60	518/632	ZP90KCETFE	2	12.2	80.0	2	8-733-815-042	5.0	5.4	38.3	50.5	50
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-811-339	2.0	6.2	80.1	110.2	110
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-039	3.0	8.0	83.7	113.8	110
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-041	5.0	13.4	94.5	124.6	110
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-811-339	2.0	3.1	43.8	60.5	60
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-039	3.0	3.9	45.4	62.1	60
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-041	5.0	6.6	50.8	67.5	60
	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-811-343	2.0	2.6	32.7	44.9	40
	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-815-040	3.0	3.7	34.9	47.1	45
242	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-815-042	5.0	5.4	38.3	50.5	50
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-811-339	2.0	3.9	75.5	105.6	100
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-039	3.0	8.0	83.7	113.8	110
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-041	5.0	13.4	94.5	124.6	110
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-811-339	2.0	3.1	43.8	60.5	60
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-039	3.0	3.9	45.4	62.1	60
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-041	5.0	6.6	50.8	67.5	60
	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-811-343	2.0	2.6	32.7	44.9	40
	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-815-040	3.0	3.7	34.9	47.1	45
300	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-815-042	5.0	5.4	38.3	50.5	50
	3	208-230/3/60	197/253	ZP137KCETF5	2	48.1	245.0	2	8-733-815-039	3.0	8.0	124.2	172.3	150
	3	208-230/3/60	197/253	ZP137KCETF5	2	48.1	245.0	2	8-733-815-041	5.0	13.4	135.0	183.1	175
	4	460/3/60	414/506	ZP137KCETFD	2	18.6	125.0	2	8-733-815-039	3.0	3.9	49.7	68.3	60
	4	460/3/60	414/506	ZP137KCETFD	2	18.6	125.0	2	8-733-815-041	5.0	6.6	55.1	73.7	70
	5	575/3/60	518/632	ZP137KCETFE	2	14.7	100.0	2	8-733-815-040	3.0	3.7	40.5	55.2	50
360	5	575/3/60	518/632	ZP137KCETFE	2	14.7	100.0	2	8-733-815-042	5.0	5.4	43.9	58.6	50
	3	208-230/3/60	197/253	ZP182KCETE5	2	55.8	340.0	2	8-733-815-041	5.0	13.4	152.4	208.2	200
	4	460/3/60	414/506	ZP182KCETED	2	26.9	173.0	2	8-733-815-041	5.0	6.6	73.7	100.6	100
	5	575/3/60	518/632	ZP182KCETEE	2	23.7	132.0	2	8-733-815-042	5.0	5.4	64.1	87.8	80

EC Model Series - Commercial Water Source Heat Pumps



BOSCH

Electrical Data - EC072-181 w/ Belt Drive Motor, Inverter Duty

Model	Voltage Code	Voltage/Hz/ Phase	Voltage Min/Max	Compressor				Total Unit w/ Belt Drive Motor						
				Compressor model	QTY	RLA (each)	LRA (each)	Motor Qty	Motor PN	Motor HP	FLA	Min Circuit Amps	MOP CALC	Max Fuse/HACR
072	3	208-230/3/60	197/253	ZP31K6ETF5	2	10.4	73.0	1	8-733-815-036	2.0	6.2	29.6	40.0	40
	3	208-230/3/60	197/253	ZP31K6ETF5	2	10.4	73.0	1	8-733-815-037	3.0	8.8	32.2	42.6	40
	4	460/3/60	414/506	ZP31K6ETFD	2	5.8	38.0	1	8-733-815-036	2.0	3.1	16.2	22.0	20
	4	460/3/60	414/506	ZP31K6ETFD	2	5.8	38.0	1	8-733-815-037	3.0	4.3	17.4	23.2	25
96	3	208-230/3/60	197/253	ZP42K6ETF5	2	13.7	83.1	1	8-733-815-036	2.0	6.2	37.0	50.7	50
	3	208-230/3/60	197/253	ZP42K6ETF5	2	13.7	83.1	1	8-733-815-037	3.0	8.8	39.6	53.3	50
	4	460/3/60	414/506	ZP42K6ETFD	2	6.2	41.0	1	8-733-815-036	2.0	3.1	17.1	23.3	20
	4	460/3/60	414/506	ZP42K6ETFD	2	6.2	41.0	1	8-733-815-037	3.0	4.3	18.3	24.5	20
	5	575/3/60	518/632	ZP42K6ETFE	2	4.8	33.0	1	8-733-821-993	2.0	2.0	12.8	17.6	15
	5	575/3/60	518/632	ZP42K6ETFE	2	4.8	33.0	1	8-733-812-090	3.0	3.5	14.3	19.1	15
120	3	208-230/3/60	197/253	ZP54K6ETF5	2	15.6	110.0	1	8-733-815-036	2.0	6.2	41.3	56.9	50
	4	460/3/60	414/506	ZP54K6ETFD	2	7.8	52.0	1	8-733-815-036	2.0	3.1	20.7	28.5	25
	5	575/3/60	518/632	ZP54K6ETFE	2	5.8	38.9	1	8-733-821-993	2.0	2.0	15.1	20.9	20
	3	208-230/3/60	197/253	ZP54K6ETF5	2	15.6	110.0	1	8-733-815-037	3.0	8.8	43.9	59.5	50
	3	208-230/3/60	197/253	ZP54K6ETF5	2	15.6	110.0	1	8-733-815-038	5.0	13.5	48.6	64.2	60
	4	460/3/60	414/506	ZP54K6ETFD	2	7.8	52.0	1	8-733-815-037	3.0	4.3	21.9	29.7	25
	4	460/3/60	414/506	ZP54K6ETFD	2	7.8	52.0	1	8-733-815-038	5.0	6.2	23.8	31.6	30
	5	575/3/60	518/632	ZP54K6ETFE	2	5.8	38.9	1	8-733-812-090	3.0	3.5	16.5	22.3	20
	5	575/3/60	518/632	ZP54K6ETFE	2	5.8	38.9	1	8-733-821-995	5.0	4.5	17.6	23.4	20
	3	208-230/3/60	197/253	ZP57K5ETF5	2	19.2	136.0	1	8-733-815-037	3.0	8.8	52.0	71.2	70
150	3	208-230/3/60	197/253	ZP57K5ETF5	2	19.2	136.0	1	8-733-815-038	5.0	13.5	56.7	75.9	70
	4	460/3/60	414/506	ZP57K5ETFD	2	8.7	66.1	1	8-733-815-037	3.0	4.3	23.9	32.6	30
	4	460/3/60	414/506	ZP57K5ETFD	2	8.7	66.1	1	8-733-815-038	5.0	6.2	25.8	34.5	30
	5	575/3/60	518/632	ZP57K5ETFE	2	6.9	55.3	1	8-733-812-090	3.0	3.5	19.0	25.9	25
	5	575/3/60	518/632	ZP57K5ETFE	2	6.9	55.3	1	8-733-821-995	5.0	4.5	20.0	26.9	25
	3	208-230/3/60	197/253	ZP57K5ETF5	2	19.2	136.0	1	8-733-815-037	3.0	8.8	52.0	71.2	70
151	3	208-230/3/60	197/253	ZP57K5ETF5	2	19.2	136.0	1	8-733-815-038	5.0	13.5	56.7	75.9	70
	4	460/3/60	414/506	ZP57K5ETFD	2	8.7	66.1	1	8-733-815-037	3.0	4.3	23.9	32.6	30
	4	460/3/60	414/506	ZP57K5ETFD	2	8.7	66.1	1	8-733-815-038	5.0	6.2	25.8	34.5	30
	5	575/3/60	518/632	ZP57K5ETFE	2	6.9	55.3	1	8-733-812-090	3.0	3.5	19.0	25.9	25
	5	575/3/60	518/632	ZP57K5ETFE	2	6.9	55.3	1	8-733-821-995	5.0	4.5	20.0	26.9	25
	3	208-230/3/60	197/253	ZP67KCETF5	2	22.4	149.0	2	8-733-815-036	2.0	6.2	62.8	85.2	80
180	3	208-230/3/60	197/253	ZP67KCETF5	2	22.4	149.0	2	8-733-815-037	3.0	8.8	68.0	90.4	90
	3	208-230/3/60	197/253	ZP67KCETF5	2	22.4	149.0	2	8-733-815-038	5.0	13.5	77.4	99.8	90
	4	460/3/60	414/506	ZP67KCETFD	2	10.6	75.0	2	8-733-815-036	2.0	3.1	30.1	40.7	40
	4	460/3/60	414/506	ZP67KCETFD	2	10.6	75.0	2	8-733-815-037	3.0	4.3	32.5	43.1	40
	4	460/3/60	414/506	ZP67KCETFD	2	10.6	75.0	2	8-733-815-038	5.0	6.2	36.3	46.9	45
	5	575/3/60	518/632	ZP67KCETFE	2	7.7	54.0	2	8-733-821-993	2.0	2.0	21.3	29.0	25
	5	575/3/60	518/632	ZP67KCETFE	2	7.7	54.0	2	8-733-812-090	3.0	3.5	24.2	31.9	30
	5	575/3/60	518/632	ZP67KCETFE	2	7.7	54.0	2	8-733-821-995	5.0	4.5	26.3	34.0	30
	3	208-230/3/60	197/253	ZP67KCETF5	2	22.4	149.0	1	8-733-815-038	5.0	13.5	63.9	86.3	80
181	4	460/3/60	414/506	ZP67KCETFD	2	10.6	75.0	1	8-733-815-038	5.0	6.2	30.1	40.7	40
	5	575/3/60	518/632	ZP67KCETFE	2	7.7	54.0	1	8-733-821-995	5.0	4.5	21.8	29.5	25

EC Model Series - Commercial Water Source Heat Pumps



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Electrical Data - EC210-360 w/ Belt Drive Motor, Inverter Duty

Model	Voltage Code	Voltage/Hz/ Phase	Voltage Min/Max	Compressor				Total Unit w/ Belt Drive Motor						
				Compressor model	QTY	RLA (each)	LRA (each)	Motor Qty	Motor PN	Motor HP	FLA	Min Circuit Amps	MOP CALC	Max Fuse/HACR
210	3	208-230/3/60	197/253	ZP90KCETF5	2	29.5	195.0	2	8-733-815-036	2.0	6.2	78.8	108.3	100
	3	208-230/3/60	197/253	ZP90KCETF5	2	29.5	195.0	2	8-733-815-037	3.0	8.8	84.0	113.5	110
	3	208-230/3/60	197/253	ZP90KCETF5	2	29.5	195.0	2	8-733-815-038	5.0	13.5	93.4	122.9	110
	4	460/3/60	414/506	ZP90KCETFD	2	14.7	95.0	2	8-733-815-036	2.0	3.1	39.3	54.0	50
	4	460/3/60	414/506	ZP90KCETFD	2	14.7	95.0	2	8-733-815-037	3.0	4.3	41.7	56.4	50
	4	460/3/60	414/506	ZP90KCETFD	2	14.7	95.0	2	8-733-815-038	5.0	6.2	45.5	60.2	60
	5	575/3/60	518/632	ZP90KCETFE	2	12.2	80.0	2	8-733-821-993	2.0	2.0	31.5	43.7	40
	5	575/3/60	518/632	ZP90KCETFE	2	12.2	80.0	2	8-733-812-090	3.0	3.5	34.4	46.6	45
240	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-036	2.0	6.2	80.1	110.2	110
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-037	3.0	8.8	85.3	115.4	110
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-038	5.0	13.5	94.7	124.8	110
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-036	2.0	3.1	43.8	60.5	60
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-037	3.0	4.3	46.2	62.9	60
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-038	5.0	6.2	50.0	66.7	60
	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-821-993	2.0	2.0	31.5	43.7	40
	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-812-090	3.0	3.5	34.4	46.6	45
242	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-036	2.0	6.2	80.1	110.2	110
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-037	3.0	8.8	85.3	115.4	110
	3	208-230/3/60	197/253	ZP103KCETF5	2	30.1	225.0	2	8-733-815-038	5.0	13.5	94.7	124.8	110
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-036	2.0	3.1	43.8	60.5	60
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-037	3.0	4.3	46.2	62.9	60
	4	460/3/60	414/506	ZP103KCETFD	2	16.7	114.0	2	8-733-815-038	5.0	6.2	50.0	66.7	60
	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-821-993	2.0	2.0	31.5	43.7	40
	5	575/3/60	518/632	ZP103KCETFE	2	12.2	80.0	2	8-733-812-090	3.0	3.5	34.4	46.6	45
300	3	208-230/3/60	197/253	ZP137KCETF5	2	48.1	245.0	2	8-733-815-037	3.0	8.8	125.8	173.9	150
	3	208-230/3/60	197/253	ZP137KCETF5	2	48.1	245.0	2	8-733-815-038	5.0	13.5	135.2	183.3	175
	4	460/3/60	414/506	ZP137KCETFD	2	18.6	125.0	2	8-733-815-037	3.0	4.3	50.5	69.1	60
	4	460/3/60	414/506	ZP137KCETFD	2	18.6	125.0	2	8-733-815-038	5.0	6.2	54.3	72.9	70
	5	575/3/60	518/632	ZP137KCETFE	2	14.7	100.0	2	8-733-812-090	3.0	3.5	40.0	54.7	50
	5	575/3/60	518/632	ZP137KCETFE	2	14.7	100.0	2	8-733-821-995	5.0	4.5	42.1	56.8	50
360	3	208-230/3/60	197/253	ZP182KCETE5	2	55.8	340.0	2	8-733-815-038	5.0	13.5	152.6	208.4	200
	4	460/3/60	414/506	ZP182KCETED	2	26.9	173.0	2	8-733-821-993	5.0	6.2	72.9	99.8	90
	5	575/3/60	518/632	ZP182KCETEE	2	23.7	132.0	2	8-733-821-995	5.0	4.5	62.3	86.0	80

EC Model Series - Commercial Water Source Heat Pumps



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Blower Performance CFM (Belt Drive Motor)

Model	Motor Sheave	Rated Airflow	Available External Static Pressure (in. wc. Wet coil and filter included)											
			0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20
072	Closed	2,300	—	—	—	—	—	—	—	—	2420	2160	1900	1700
	Half Open		—	—	2980	2800	2610	2400	2100	1800	—	—	—	—
	Open		2780	2590	2350	2050	1780	—	—	—	—	—	—	—
096	Closed	2,800	—	—	—	—	—	—	—	2800	2650	2450	2300	2200
	Half Open		—	—	3480	3340	3230	3075	2880	2690	2555	2355	—	—
	Open		3110	2965	2835	2615	2460	2275	—	—	—	—	—	—
120	Closed	4,000	—	—	—	—	—	—	—	—	4400	4150	3830	3600
	Half Open		—	—	—	4660	4490	4240	3959	4600	3000	—	—	—
	Open		4680	4490	4270	4000	3700	3370	—	—	—	—	—	—
150	Closed	5,000	—	—	—	—	—	—	7120	6920	6530	6080	5660	5120
	Half Open		—	—	—	6860	6530	6120	5780	5380	4880	4090	—	—
	Open		6770	6300	5880	5430	4970	4340	3750	—	—	—	—	—
151	Closed	5,000	—	—	—	—	—	—	7120	6920	6530	6080	5660	5120
	Half Open		—	—	—	6860	6530	6120	5780	5380	4880	4090	—	—
	Open		6770	6300	5880	5430	4970	4340	3750	—	—	—	—	—
180	Closed	6,000	—	—	—	—	—	—	7200	6940	6560	6150	5710	5140
	Half Open		—	—	7200	6930	6580	6200	5800	5450	4920	—	—	—
	Open		6780	6350	5970	5540	5050	4510	—	—	—	—	—	—
181	Closed	6,000	—	—	—	—	—	—	7200	6940	6560	6150	5710	5140
	Half Open		—	—	7200	6930	6580	6200	5800	5450	4920	—	—	—
	Open		6780	6350	5970	5540	5050	4510	—	—	—	—	—	—
210	Closed	7,000	—	—	—	—	—	—	—	—	—	—	7800	7500
	Half Open		—	—	—	—	—	8600	8200	7600	6900	5240	—	—
	Open		8840	8400	8000	7560	7000	6400	—	—	—	—	—	—
240	Closed	8,000	—	—	—	—	—	—	—	—	9000	8800	8330	7660
	Half Open		—	—	—	—	9320	8980	8480	7900	7200	6000	—	—
	Open		9360	8980	8540	8000	7400	6740	—	—	—	—	—	—
242	Closed	8,000	—	—	—	—	—	—	—	—	—	—	8120	7500
	Half Open		—	—	—	—	—	—	8280	7700	7000	5800	—	—
	Open		—	—	8340	7800	7200	6540	—	—	—	—	—	—
300	Closed	10,000	—	—	—	—	10000	9650	9300	8950	8600	8200	—	—
	Half Open		—	10500	10100	9700	8900	8500	8100	—	—	—	—	—
	Open		9900	9100	8700	8300	—	—	—	—	—	—	—	—

Blower Performance CFM (Belt Drive Motor)

Model	Motor Sheave	Rated Airflow	Available External Static Pressure (in. wc. Wet coil and filter included)											
			0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2
360	Closed	12,000	—	—	—	—	—	—	—	—	—	—	12900	10800
	Half Open		—	—	—	—	—	13050	11850	10350	7500	—	—	—
	Open		12200	11575	10950	9600	7800	—	—	—	—	—	—	—

EC Model Series - Commercial Water Source Heat Pumps



BOSCH

Physical Data - EC072-181 Models

Description	072		096		120		150		151		180		181	
	Cu	CuNi	Cu	CuNi	Cu	CuNi	Cu	CuNi	Cu	CuNi	Cu	CuNi	Cu	CuNi
Compressor Type (Qty 2)	Scroll		Scroll		Scroll		Scroll		Scroll		Scroll		Scroll	
Max Water Working Pressure (PSIG/kPa)	450/3100		450/3100		450/3100		450/3100		450/3100		450/3100		450/3100	
Number of Refrigeration Circuits	2		2		2		2		2		2		2	
Water Coil														
Connection Type	FPT		FPT		FPT		FPT		FPT		FPT		FPT	
Size	1"		1"		1 1/4"		1 1/2"		1 1/2"		1 1/2"		1 1/2"	
Water Coil Type	Coaxial		Coaxial		Coaxial		Coaxial		Coaxial		Coaxial		Coaxial	
Coil Volume (gal)	0.64		0.64		0.87		1.06		1.06		1.06		1.06	
Vertical Cabinet														
Coil Type	Tube-Fin		Tube-Fin		Tube-Fin		-		Tube-Fin		-		Tube-Fin	
Air Coil Dimensions Vertical (H x L) (in)	20 x 32.5 (2)		20 x 32.5 (2)		20 x 32.5 (2)		-		24 x 43 (2)		-		24 x 43 (2)	
Row(s)	3		3		3		-		3		-		3	
Nominal size of Standard Filter - 1" (H x L) (in)	20 x 34.5 (2)		20 x 34.5 (2)		20 x 34.5 (2)		-		24 x 24 (4)		-		24 x 24 (4)	
Fan Motor Type/Speeds	Belt Drive/1		Belt Drive/1		Belt Drive/1		-		Belt Drive/1		-		Belt Drive/1	
Fan Motor (HP)	1		1.5		2		-		3		-		5	
Blower Wheel Size (Dia. x W x Qty)	12 x 12 x 1		12 x 12 x 1		15 x 15 x 1		-		15 x 15 x 1		-		15 x 15 x 1	
Refrigeration Charge/Circuit (oz)	73	73	83	80	83	83	-		107	107	-		122	122
Refrigeration Charge (oz)	146	146	166	160	166	166	-		214	214	-		244	244
Weight - Operating (lbs)	670		702		935		-		1050		-		1090	
Weight - Shipping (lbs)	715		752		980		-		1140		-		1180	
Horizontal Cabinet														
Coil Type	Tube-Fin		Tube-Fin		Tube-Fin		Tube-Fin		-		Tube-Fin		-	
Air Coil Dimensions Horizontal (H x L)	20 x 32.5 (2)		20 x 32.5 (2)		20 x 32.5 (2)		24 x 65		-		24 x 65		-	
Nominal size of Standard Filter - 1" (H x L)	20 x 34.5 (2)		20 x 34.5 (2)		20 x 34.5 (2)		24 x 34 (2)		-		24 x 34 (2)		-	
Row(s)	3		3		3		3		-		3		-	
Fan Motor Type/Speeds	Belt Drive/1		Belt Drive/1		Belt Drive/1		Belt Drive/1		-		Belt Drive/2		-	
Fan Motor (HP)	1		2		3		3		-		2		-	
Blower Wheel Size (Dia. x W x Qty)	12 x 12 x 1		12 x 12 x 1		12 x 9 x 2		15 x 15 x 1		-		12 x 12 x 2		-	
Refrigeration Charge/Circuit (oz)	79	79	90	80	83	83	112	112	-		127	127	-	
Refrigeration Charge (oz)	158	158	180	160	166	166	224	224	-		254	254	-	
Weight - Operating (lbs)	670		702		935		1060		-		1530		-	
Weight - Shipping (lbs)	715		752		980		1150		-		1620		-	

EC Model Series - Commercial Water Source Heat Pumps



BOSCH

Physical Data - EC210-360 Models

Description	210		240		242		300		360	
	Cu	CuNi	Cu	CuNi	Cu	CuNi	Cu	CuNi	Cu	CuNi
Compressor Type (Qty 2)	Scroll		Scroll		Scroll		Scroll		Scroll	
Max Water Working Pressure (PSIG/kPa)	450/3100		450/3100		450/3100		450/3100		450/3100	
Number of Refrigeration Circuits	2		2		2		2		2	
Water Coil										
Connection Type	FPT		FPT		FPT		FPT		FPT	
Size	2"		2"		2"		2"		2"	
Water Coil Type	Coaxial		Coaxial		Coaxial		Coaxial		Coaxial	
Coil Volume (gal)	3.04		3.40		3.40		3.40		3.31	
Vertical Cabinet										
Coil Type	Tube-Fin		Tube-Fin		-		Tube-Fin		Tube-Fin	
Air Coil Dimensions Vertical (H x L) (in)	20 x 32.5 (4)		20 x 32.5 (4)		-		20 x 32.5 (4)		30 x 32.5 (2)	
Row(s)	3		3		-		3		3	
Nominal size of Standard Filter - 1" (H x L) (in)	20 x 34.5 (4)		20 x 34.5 (4)		-		20 x 34.5 (4)		30 x 34.5 (4)	
Fan Motor Type/Speeds	Belt Drive/2		Belt Drive/2		-		Belt Drive/2		Belt Drive/2	
Fan Motor (HP)	1.5		2		-		3		5	
Blower Wheel Size (Dia. x W x Qty)	15 x 15 x 2		15 x 15 x 2		-		15 x 15 x 2		15 x 15 x 2	
Refrigeration Charge/Circuit (oz)	130	130	145	145	-		145	145	288	288
Refrigeration Charge (oz)	260	260	290	290	-		290	290	576	576
Weight - Operating (lbs)	1090		1310		-		1530		1650	
Weight - Shipping (lbs)	1180		1400		-		1630		1750	
Horizontal Cabinet										
Coil Type	-		-		Tube-Fin		-		-	
Air Coil Dimensions Horizontal (H x L)	-		-		34 x 65		-		-	
Nominal size of Standard Filter - 1" (H x L)	-		-		20 x 34.5 (4)		-		-	
Row(s)	-		-		3		-		-	
Fan Motor Type/Speeds	-		-		Belt Drive/2		-		-	
Fan Motor (HP)	-		-		2		-		-	
Blower Wheel Size (Dia. x W x Qty)	-		-		15 x 15 x 2		-		-	
Refrigeration Charge/Circuit (oz)	-		-		145	145	-		-	
Refrigeration Charge (oz)	-		-		290	290	-		-	
Weight - Operating (lbs)	-		-		1655		-		-	
Weight - Shipping (lbs)	-		-		1755		-		-	



EC Capacity Data



For authorized users only.

- ▶ For extended performance data please access Bosch Select Tool 2.0 (BST2.0) in your device
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