

Chillers

The ultimate in
reliability and flexibility



Air cooled scroll compressor chiller with integrated free cooling Silver efficiency Standard sound



MicroTech 4



- R32 refrigerant;
- Nominal capacity up to 1,000 kW;
- Scroll compressors;
- Top class efficiency both at full and part load conditions;
- Best capacity with smallest footprint;
- Microchannel coils;
- Glycol free option;
- New Daikin MicroTech 4 controller.

Cooling Only				EWFT	310B-SSC1	320B-SSC2	350B-SSC1	380B-SSC2	430B-SSC2	480B-SSC2	570B-SSC2	620B-SSC2	670B-SSC2	730B-SSC2
SEER					4.833	4.546	4.641	4.688	4.73	4.742	4.921	4.879	4.815	5.014
Cooling capacity	Nom.			kW	395.2	351.7	439.1	499.3	493.6	553.8	738.6	803.5	749.6	843.7
Power input	Cooling	Nom.		kW	1216	95.91	1517	138.4	1313	164.2	211	245.1	2119	220.9
Capacity control	Method													
	Minimum capacity			%										
EER					3.25	3.667	2.894	3.608	3.76	3.373	3.501	3.278	3.538	3.819
IPLV					5.259	4.869	5.080	5.078	5.086	5.122	5.284	5.275	5.241	5.392
Dimensions	Unit	Height		mm										
		Width		mm										
		Depth		mm										
Weight	Unit			kg	2,245	2,288	2,373	2,852	3,012	3,115	3,774	3,953	4,056	4,667
Air heat exchanger	Operation weight			kg	2,388	2,436	2,521	3,023	3,198	3,341	4,044	4,223	4,343	5,054
Compressor	Type													
	Quantity													
Fan	Type													
	Quantity													
	Air flow rate	Cooling	Nom.	l/s										
Sound power level	Cooling	Nom.		dB(A)	94	93.8	94.5	95.1	95.6	95.9	96.7	97	97.3	97.9
Sound pressure level	Cooling	Nom.		dB(A)	74.9	74.7	75.5	75.4	75.9	76.2	76.5	76.7	77.0	77.2
Operation range	Air side	Cooling	Min.~Max.	°CDB										
Refrigerant	Type/GWP													
	Charge			kg	22.0	25.0	30.0	310	35.0	39.0	45.0	50.0	53	59.0
	Circuits	Quantity			1	2	1				2			
Piping connections	Evaporator water inlet/outlet (OD)													
Unit	Starting current	Max		A	693	697	735	750	792	838	891	936	979	1,032
	Running current	Cooling	Nom.	A	216.2	174.1	264.3	252.3	240.2	294.4	378.9	435	380.3	403.2
	current	Max		A	245	249	287	302	344	390	443	488	531	584
Power supply	Phase/Frequency/Voltage			Hz/V										

Cooling Only				EWFT	790B-SSC2	860B-SSC2	960B-SSC2
SEER					5.049	5.076	4.93
Cooling capacity	Nom.			kW	1,018	1,112	1,235
Power input	Cooling	Nom.		kW	316.1	325.1	387.5
Capacity control	Method						
	Minimum capacity			%			
EER					3.222	3.422	3.188
IPLV					5.307	5.381	5.312
Dimensions	Unit	Height		mm			
		Width		mm			
		Depth		mm			
Weight	Unit			kg	5,848		
	Operation weight			kg	5,035	5,546	5,860
Air heat exchanger	Type				5,422	5,975	6,311
Compressor	Type						
	Quantity						
Fan	Type						
	Quantity						
	Air flow rate	Cooling	Nom.	l/s			
Sound power level	Cooling	Nom.		dB(A)	56,275		
Sound pressure level	Cooling	Nom.		dB(A)	98.1	98.6	99
Operation range	Air side	Cooling	Min.~Max.	°CDB	77.4	77.5	77.8
Refrigerant	Type/GWP						
	Charge			kg			
	Circuits	Quantity			63.0	68.0	77.0
Piping connections	Evaporator water inlet/outlet (OD)						
Unit	Starting current	Max		A			
	Running current	Cooling	Nom.	A	1,079	1,132	1,220
	current	Max		A	559	5818	683.6
				A	631	684	772
Power supply	Phase/Frequency/Voltage			Hz/V			

Performances according to Chiller Configurator 1.4 software | Cooling: entering evaporator water temp. 26°C; leaving evaporator water temp. 18°C; ambient air temp. 35°C; ethylene glycol fluid 25%; full load operation.

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Cooling Only				EWFT	310B-SRC1	320B-SRC2	350B-SRC1	380B-SRC2	430B-SRC2	480B-SRC2	570B-SRC2	620B-SRC2	670B-SRC2	730B-SRC2
SEER					4.778	4.329	4.602	4.713	4.715	4.662	4.899	4.823	4.782	4.972
Cooling capacity	Nom.			kW	395.2	408.4	439.1	480.6	544.2	598.2	725	762.6	851.4	947.6
Power input	Cooling	Nom.		kW	1216	1311	1517	143.7	1675	204.3	214.2	259.3	2774	283.4
Capacity control	Method				Step									
	Minimum capacity			%	39	21	33	18	16	14	22	20	18	17
EER					3.25	3.115	2.894	3.344	3.249	2.928	3.385	2.941	3.069	3.344
IPLV					5.281	4.858	5.084	5.074	5.096	5.148	5.329	5.347	5.309	5.414
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm	2,514									
Weight	Unit			kg	2,336	2,379	2,464	2,942	3,134	3,298	3,917	4,116	4,219	4,830
	Operation weight			kg	2,479	2,527	2,612	3,113	3,320	3,484	4,187	4,386	4,506	5,217
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
Fan	Quantity				3	4	3	4		5			6	
	Type				Direct propeller									
	Quantity				4			6			8			10
	Air flow rate	Cooling	Nom.	l/s	22,510									
Sound power level	Cooling	Nom.		dB(A)	87.9	87.8	88.1	89.5	89.6	89.7	90.8	90.9	91	91.9
Sound pressure level	Cooling	Nom.		dB(A)	68.8									
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46									
Refrigerant	Type/GWP				R-32/675									
	Charge			kg	22.0	25.0	30.0	310	35.0	39.0	45.0	50.0	53.0	59.0
	Circuits	Quantity			1	2	1				2			
Piping connections	Evaporator water inlet/outlet (OD)				88.9									
Unit	Starting current	Max		A	693	697	735	750	792	838	891	936	979	1,032
	Running current	Cooling	Nom.	A	229.6	243.8	277.7	266.8	312.2	372.3	401.2	464.7	509.7	529.5
	current	Max		A	245	249	287	302	344	390	443	488	531	584
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Cooling Only				EWFT	790B-SRC2	860B-SRC2	960B-SRC2
SEER					4.984	5.057	4.883
Cooling capacity	Nom.			kW	970.4	1,093	1,170
Power input	Cooling	Nom.		kW	335.4	329.9	409.7
Capacity control	Method				Step		
	Minimum capacity			%	15	14	25
EER					2.893	3.312	2.856
IPLV					5.271	5.399	5.300
Dimensions	Unit	Height		mm	2,535		
		Width		mm	2,238		
		Depth		mm	5,848		6,928
Weight	Unit			kg	5,220	5,730	6,065
	Operation weight			kg	5,607	6,159	6,516
Air heat exchanger	Type				Microchannel		
Compressor	Type				Scroll compressor		
Fan	Quantity				7		8
	Type				Direct propeller		
	Quantity				10	12	
	Air flow rate	Cooling	Nom.	l/s	56,275	67,530	
Sound power level	Cooling	Nom.		dB(A)	91.9	92.6	92.7
Sound pressure level	Cooling	Nom.		dB(A)	71.2	71.5	71.6
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46		
Refrigerant	Type/GWP				R-32/675		
	Charge			kg	63.0	68.0	77.0
	Circuits	Quantity			2		
Piping connections	Evaporator water inlet/outlet (OD)				139.7		
Unit	Starting current	Max		A	1,078	1,131	1,219
	Running current	Cooling	Nom.	A	597.9	615.2	727.8
	current	Max		A	630	683	771
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400		

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Cooling Only				EWFT	10B-XSC2	250B-XSC1	320B-XSC1	370B-XSC1	390B-XSC2	450B-XSC2	510B-XSC2	540B-XSC2	590B-XSC2	630B-XSC2	
SEER					5.189	4.723	5.186	5.011	4.74	4.957	4.911	5.213	5.141	5.131	
Cooling capacity	Nom.			kW	1,326	3319	429.6	487.6	508.5	591.6	673.7	716.2	774.8	829.5	
Power input	Cooling	Nom.		kW	351.7	8799	108.4	131	139.3	152.6	176.8	175.2	197.5	219.9	
Capacity control	Method				Step										
	Minimum capacity			%	25	50	39	33	18	16	25	14	22	20	
EER					3.77	3.772	3.963	3.722	3.65	3.877	3.81	4.088	3.923	3.772	
IPLV					5.514	5.185	5.518	5.366	5.122	5.326	5.322	5.623	5.546	5.509	
Dimensions	Unit	Height		mm	2,535										
		Width		mm	2,238										
		Depth		mm	9,088	2,514	3,594		4,674		5,754				
Weight	Unit				kg	6,792	2,129	2,678	2,800	2,885	3,420	3,634	4,150	4,266	4,377
	Operation weight			kg	7,331	2,272	2,851	2,975	3,064	3,658	3,904	4,520	4,636	4,747	
Air heat exchanger	Type				Microchannel										
Compressor	Type				Scroll compressor										
	Quantity				8	2	3		4		5				
Fan	Type				Direct propeller										
	Quantity				16	4	6		8		10				
	Air flow rate	Cooling	Nom.	l/s	90,040	22,510	33,765		45,020		56,275				
Sound power level	Cooling	Nom.		dB(A)	99.5	93.5	94.8	95.3	95.1	96.1	96.5	96.9	97.2	97.5	
Sound pressure level	Cooling	Nom.		dB(A)	77.6	74.4	75.1	75.6	75.4	75.9	76.3	76.2	76.5	76.8	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46										
Refrigerant	Type/GWP				R-32/675										
	Charge				kg	90.0	26.0	30.0	33.0	37.0	42.0	47.0	50.0	54.0	58.0
	Circuits	Quantity			2	1					2				
Piping connections	Evaporator water inlet/outlet (OD)				139.7	88.9						139.7			
Unit	Starting current			Max	A	1,240	647	703	746	750	803	845	858	901	944
	Running	Cooling	Nom.		A	642.5	160.7	202.1	239.6	253.6	282.7	322.7	327.1	364.3	401.6
	current	Max			A	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

Cooling Only				EWFT	720B-XSC2		760B-XSC2		830B-XSC2		880B-XSC2	
SEER					5.219		5.193		5.251		5.243	
Cooling capacity		Nom.		kW	945.8		1,002		1,100		1,196	
Power input		Cooling	Nom.	kW	241.8		264.5		284.6		307.3	
Capacity control		Method			Step							
Minimum capacity				%	18		17		15		14	
EER					3.912		3.789		3.865		3.763	
IPLV					5.570		5.518		5.553		5.519	
Dimensions		Unit	Height	mm	2,535							
			Width	mm	2,238							
			Depth	mm	6,834				8,008			
Weight		Unit		kg	4,975		5,086		5,879		5,991	
		Operation weight		kg	5,404		5,515		6,352		6,464	
Air heat exchanger		Type			Microchannel							
Compressor		Type			Scroll compressor							
		Quantity			6				7			
Fan		Type			Direct propeller							
		Quantity			12				14			
		Air flow rate	Cooling Nom.	l/s	67,530				78,785			
Sound power level		Cooling	Nom.	dB(A)	98		98.3		98.7		98.9	
Sound pressure level		Cooling	Nom.	dB(A)	76.9		77.1		77.2		77.4	
Operation range		Air side	Cooling Min.~Max.	°CDB	-20 ~46							
Refrigerant		Type/GWP			R-32/675							
		Charge		kg	66.0		69.0		75.0		80.0	
		Circuits	Quantity		2							
Piping connections		Evaporator water inlet/outlet (OD)			139.7							
Unit		Starting current		A	999		1,042		1,142			
		Running current	Cooling Nom.	A	445.1		482.9		523.9		561.6	
		current Max		A	551		594		694			
Power supply		Phase/Frequency/Voltage			Hz/V	3~/50/400						

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Cooling Only				EWFT	10B-XRC2	250B-XRC1	320B-XRC1	370B-XRC1	390B-XRC2	450B-XRC2	510B-XRC2	540B-XRC2	590B-XRC2	630B-XRC2
SEER					5.14	4.7	5.144	5.025	4.70	5.002	4.833	5.214	5.167	5.064
Cooling capacity	Nom.			kW	1,224	306.4	403.9	451.4	484.7	553.5	620.5	673.3	721.2	765.7
Power input	Cooling	Nom.		kW	383.2	95.79	114.4	142.5	146.9	162.7	192.9	184.1	211.7	239.6
Capacity control	Method				Step									
	Minimum capacity			%	25	50	39	33	18	16	25	14	22	20
EER					3.195	3.198	3.531	3.168	3.3	3.402	3.217	3.657	3.407	3.196
IPLV					5.568	5.118	5.587	5.431	5.094	5.373	5.305	5.650	5.567	5.515
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm	9,088	2,514		3,594		4,674			5,754	
Weight	Unit			kg	6,997	2,189	2,768	2,891	2,975	3,543	3,757	4,293	4,409	4,520
	Operation weight			kg	7,536	2,332	2,941	3,066	3,154	3,781	4,027	4,663	4,779	4,890
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
Fan	Quantity				8	2	3		4				5	
	Type				Direct propeller									
Air flow rate	Cooling	Nom.		l/s	16	4		6		8			10	
					90,040	22,510		33,765		45,020			56,275	
Sound power level	Cooling	Nom.		dBA	90	84	85.4	85.7	85.6	86.8	87	87.6	87.8	87.9
Sound pressure level	Cooling	Nom.		dBA	68.1	64.9	65.7	66.0	65.9	66.5	66.7	66.9	67.1	67.2
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46									
Refrigerant	Type				R-32									
Charge	kg				90.0	26.0	30.0	33.0	37.0	42.0	47.0	50.0	54.0	58.0
	Circuits	Quantity			2		1				2			
Piping connections	Evaporator water inlet/outlet (OD)				139.7			88.9					139.7	
Unit	Starting current	Max		A	1,240	647	703	746	750	803	845	858	901	944
	Running	Cooling	Nom.	A	712.9	178.3	220.3	265.6	285.1	309.9	358.4	356	400.7	445.7
	current	Max		A	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Cooling Only				EWFT	720B-XRC2	760B-XRC2	830B-XRC2	880B-XRC2
SEER					5.159	5.121	5.293	5.181
Cooling capacity	Nom.			kW	878.7	924.2	1,023	1,068
Power input	Cooling	Nom.		kW	260.1	288.3	306.6	334.8
Capacity control	Method				Step			
	Minimum capacity			%	18	17	15	14
EER					3.378	3.206	3.335	3.19
IPLV					5.620	5.549	5.598	5.563
Dimensions	Unit	Height		mm	2,535			
		Width		mm	2,238			
		Depth		mm		6,834		8,008
Weight	Unit			kg	5,139	5,250	6,062	6,174
	Operation weight			kg	5,568	5,679	6,535	6,647
Air heat exchanger	Type				Microchannel			
Compressor	Type				Scroll compressor			
Fan	Quantity				6		7	
	Type				Direct propeller			
Air flow rate	Cooling	Nom.		l/s		12		14
						67,530		78,785
Sound power level	Cooling	Nom.		dBA	88.6	88.7	89.3	89.4
Sound pressure level	Cooling	Nom.		dBA	67.5	67.6	67.7	67.8
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46			
Refrigerant	Type				R-32			
Charge	kg				66.0	69.0	75.0	80.0
	Circuits	Quantity					2	
Piping connections	Evaporator water inlet/outlet (OD)						139.7	
Unit	Starting current	Max		A	999	1,042		1,142
	Running	Cooling	Nom.	A	490.5	536.1	577.5	623.1
	current	Max		A	551	594		694
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400			



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