

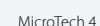
Chillers

The ultimate in
reliability and flexibility



- | EWFS-TZBSD | | | | 10TZBSD2000 | 10TZBSD2000 | 11TZBSD2000 | 12TZBSD2000 | 13TZBSD2000 | 14TZBSD2000 | 15TZBSD2000 | 16TZBSD2000 | 17TZBSD2000 | 18TZBSD2000 | |
|----------------------|------------------------------------|----------|-----------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| SEER | | | | 4.917 | 5.034 | 5.163 | 4.951 | 5.254 | 5.165 | 5.168 | 5.095 | 5.177 | 5.178 | |
| Cooling capacity | Nom. | | kW | 1,244.3 | 1,343.45 | 1,446.68 | 1,570.26 | 1,721.26 | 1,797.14 | 1,969.93 | 2,035.59 | 2,107.09 | 2,314.18 | |
| Power input | Cooling | Nom. | kW | 442.65 | 453.87 | 475.26 | 520.64 | 574.33 | 633.02 | 687.1 | 679.21 | 739.85 | 872.62 | |
| Capacity control | Method | | | Stepless | | | | | | | | | | |
| | Minimum capacity | | % | 10.5 | 10 | | | | | | 12.5 | 11.5 | 10.5 | |
| EER | | | | 2.81 | 2.96 | 3.04 | 3.02 | 3 | 2.84 | 2.87 | 3 | 2.85 | 2.65 | |
| IPLV | | | | 5.281 | 5.468 | 5.513 | 5.558 | 5.543 | 5.454 | 5.411 | 5.86 | 5.754 | 5.648 | |
| Dimensions | Unit | Height | mm | 2,553 | | | | | | | | | | |
| | | Width | mm | 2,238 | | | | | | | | | | |
| | | Depth | mm | 6,880 | 7960 | 9,040 | 10,120 | 11,200 | | 12,280 | | | 13,360 | |
| Weight | Unit | | kg | 5,806 | 6,427 | 6,936 | 7,446 | 7956 | 8,277 | 9,157 | 9,561 | | 10,070 | |
| | Operation weight | | kg | 6,834 | 7606 | 8,191 | 8,776 | 9,366 | 9,697 | 11,177 | 11,535 | 11,550 | 12,140 | |
| Air heat exchanger | Type | | | Microchannel | | | | | | | | | | |
| Compressor | Type | | | Screw compressor | | | | | | | | | | |
| | Quantity | | | 2 | | | | | | | | | | |
| Fan | Type | | | Direct propeller | | | | | | | | | | |
| | Quantity | | | 12 | 14 | 16 | 18 | 20 | | 22 | | | 24 | |
| | Air flow rate | Cooling | Nom. | l/s | 67,530 | 78,785 | 90,040 | 101,295 | 112,550 | | 123,805 | | | 135,060 |
| Sound power level | Cooling | Nom. | dBA | 100 | 100.7 | 101 | 1018 | 103.8 | 104.8 | 106.2 | 104.1 | 104.9 | 105.8 | |
| Sound pressure level | Cooling | Nom. | dBA | 78.9 | 79.1 | | 79.6 | 812 | 82.3 | 83.4 | 812 | 82 | 82.7 | |
| Operation range | Air side | Cooling | Min.~Max. | °CDB | 4 ~18 | | | | | | | | | |
| Refrigerant | Type/GWP | | | R-513A/630 | | | | | | | | | | |
| | Charge | | kg | 140 | 150 | 160 | 170 | 185 | 195 | 215 | 230 | 245 | 260 | |
| | Circuits | Quantity | | 2 | | | | | | | | | | |
| Piping connections | Evaporator water inlet/outlet (OD) | | | 219.1 | | | | | | 273 | | | | |
| Unit | Starting current | A | | 0 | | | | | | | | | | |
| | Running current | Cooling | A | 700 | 717 | 748 | 816 | 895 | 991 | 1,071 | 1,060 | 1,157 | 1,353 | |
| Power supply | Phase/Hz/V | | | 751 | 817 | 884 | 930 | 948 | 1,120 | 1,200 | 1,227 | 1,340 | 1,475 | |
| | | | | 3/50/400 | | | | | | | | | | |

					EWFS	19TZB8SD2000	275TZB8SD1000	320TZB8SD1000	345TZB8SD1000	400TZB8SD1000	470TZB8SD1000	525TZB8SD1000	580TZB8SD1000	625TZB8SD1000	755TZB8SD2000	
SEER						5.098	4.648	5.032	4.966	5.234	4.921	5.225	5.233	5.015	5.288	
Cooling capacity	Nom.				kW	2,312.53	353.32	412.41	447.62	528.72	571.33	657.03	728.85	758.65	956.88	
Power input	Cooling	Nom.				kW	887.73	11676	124.07	144.81	172.62	194.86	206.35	250.21	274.48	275.44
Capacity control	Method					Stepless										
	Minimum capacity				%	10	215	19	16.5	215	23	215	19	16.5	12.5	
EER						2.61	3.03	3.32	3.09	3.06	2.93	3.18	2.91	2.76	3.47	
IPLV						5.583	5.084	5.463	5.375	5.565	5.295	5.599	5.564	5.377	5.66	
Dimensions	Unit	Height				mm	2,553									
		Width				mm	2,238									
		Depth				mm	13,360	2,560	3,640			4,720			6,880	
Weight	Unit				kg	10,070	2,626	3,136		3,581		4,154			5,549	
	Operation weight				kg	12,150	2,847	3,432		3,907	3,917	4,581	4,591	4,596	6,341	
Air heat exchanger	Type					Microchannel										
Compressor	Type					Screw compressor										
	Quantity					2	1								2	
Fan	Type					Direct propeller										
	Quantity					24	4	6				8			12	
	Air flow rate	Cooling	Nom.		l/s	135,060	22,510	33,765				45,020			67,530	
Sound power level	Cooling	Nom.				dBA	106.6	974	979	100	973	96.7	97.7	98.1	100.6	99
Sound pressure level	Cooling	Nom.				dBA	83.5	78.3	78.2	80.3	776	77	774	778	80.3	778
Operation range	Air side	Cooling	Min.~Max.		°CDB	4 ~18										
Refrigerant	Type/GWP					R-513A/630										
	Charge				kg	270	35	45		55	65	70	80	85	105	
	Circuits	Quantity				2	1								2	
Piping connections	Evaporator water inlet/outlet (OD)					273	88.9			139.7			168.3			
Unit	Starting current	A				0										
	Running current	Cooling	A			1,376	188	199	230	278	311	328	393	429	451	
	current	A				1,608	220	262	284	346	362	400	457	464	600	
Power supply	Phase/Hz/V					3/50/400										



					EWFS		830TZBSD2000		915TZBSD2000		
SEER							5.217		5.037		
Cooling capacity		Nom.			kW		1,067		1,162.62		
Power input		Cooling	Nom.		kW		347.3		386.64		
Capacity control		Method					Stepless				
		Minimum capacity			%		10.5		12.5		
EER							3.07		3.01		
IPLV							5.55		5.409		
Dimensions		Unit	Height		mm		2,553				
			Width		mm		2,238				
			Depth		mm		6,880				
Weight		Unit				kg		5,549		5,806	
		Operation weight			kg		6,351		6,819		
Air heat exchanger		Type					Microchannel				
Compressor		Type					Screw compressor				
		Quantity					2				
Fan		Type					Direct propeller				
		Quantity					12				
		Air flow rate	Cooling	Nom.	l/s		67,530				
Sound power level		Cooling	Nom.		dBA		100		99		
Sound pressure level		Cooling	Nom.		dBA		78.9		77.8		
Operation range		Air side	Cooling	Min.~Max.	°CDB		4 ~18				
Refrigerant		Type/GWP					R-513A/630				
		Charge				kg		115		125	
		Circuits	Quantity					2			
Piping connections		Evaporator water inlet/outlet (OD)					168.3		219.1		
Unit		Starting current A						0			
		Running current	Cooling	A				558		617	
Power supply		Phase/Hz/V						668			
								3/50/400			

- | | | | | EWFS-TZSSD | 10TZSSD2000 | 10TZSSD2000 | 11TZSSD2000 | 12TZSSD2000 | 13TZSSD2000 | 14TZSSD2000 | 15TZSSD2000 | 16TZSSD2000 | 17TZSSD2000 | 18TZSSD2000 | |
|----------------------|-------------------------|-------------------------|-----------|------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| SEER | | | | | 5.102 | 5.043 | 5.122 | 5.274 | 4.372 | 4.156 | 5.294 | 5.056 | 5.217 | 4.602 | |
| Cooling capacity | Nom. | | | kW | 1,300.84 | 1,3153 | 1,474.29 | 1,645.12 | 1,766.39 | 1,894.74 | 1,965.41 | 2,043.33 | 2,235.02 | 2,280.9 | |
| Power input | Cooling | | | kW | 417.07 | 420.49 | 475.58 | 515.07 | 562.9 | 618.59 | 608.3 | 64175 | 745.75 | 800.88 | |
| Capacity control | Method | | | | Stepless | | | | | | | | | | |
| | Minimum capacity | | | % | 10.5 | | 10 | | | | 13.5 | | 12.5 | 115 | 10.5 |
| EER | | | | | 3.12 | 3.13 | 3.1 | | 3.19 | 3.14 | 3.06 | 3.23 | 3.18 | 3 | 2.85 |
| IPLV | | | | | 6.507 | 6.418 | 6.452 | | 6.402 | 6.469 | 6.286 | 5.536 | 5.698 | 5.723 | 5.836 |
| Dimensions | Unit | Height | | mm | 2,553 | | | | | | | | | | |
| | | Width | | mm | 2,238 | | | | | | | | | | |
| | | Depth | | mm | 7960 | | 9,040 | 11,200 | 12,280 | | | | 13,360 | | |
| Weight | Unit | | | kg | 6,316 | 6,427 | 6,936 | 7956 | 8,465 | 9,157 | 9,561 | | 10,070 | | |
| | Operation weight | | | kg | 7409 | 7601 | 8,191 | 9,356 | 9,945 | 11,107 | 11,520 | 11,535 | 12,130 | 12,140 | |
| Air heat exchanger | Type | | | | Microchannel | | | | | | | | | | |
| Compressor | Type | | | | Screw compressor | | | | | | | | | | |
| | Quantity | | | | 2 | | | | | | | | | | |
| Fan | Type | | | | Direct propeller | | | | | | | | | | |
| | Quantity | | | | 14 | | 16 | 20 | 22 | | | | 24 | | |
| | Air flow rate | Cooling | Nom. | l/s | 78,785 | | 90,040 | 112,550 | 123,805 | | | | 135,060 | | |
| Sound power level | Cooling | Nom. | | dBA | 100.2 | 100.5 | 101 | 102.5 | 104.2 | 105.3 | 103.3 | 104.1 | 104.9 | 105.8 | |
| Sound pressure level | Cooling | Nom. | | dBA | 78.7 | 79 | 79.1 | 79.9 | 813 | 82.5 | 80.5 | 812 | 818 | 82.7 | |
| Operation range | Air side | Cooling | Min.~Max. | °CDB | 4 ~ 18 | | | | | | | | | | |
| Refrigerant | Type/GWP | | | | R-513A/630 | | | | | | | | | | |
| | Charge | | | | kg | 140 | 145 | 160 | 175 | 190 | 205 | 215 | 230 | 250 | 260 |
| | Circuits | Quantity | | | 2 | | | | | | | | | | |
| Piping connections | Evaporator | water inlet/outlet (OD) | | | 219.1 | | | | | 273 | | | | | |
| Unit | Starting current | Max | | | 0 | | | | | | | | | | |
| | Running | Cooling | Nom. | | 662 | 667 | 749 | 807 | 878 | 970 | 954 | 1,004 | 1,166 | 1,247 | |
| | current | Max | | | 761 | 789 | 884 | 948 | 1,187 | 1,156 | 1,124 | 1,227 | 1,351 | 1,475 | |
| Power supply | Phase/Frequency/Voltage | | | | 3/50/400 | | | | | | | | | | |
- | | | | | EWFS | 19TZSSD2000 | 285TZSSD1000 | 325TZSSD1000 | 380TZSSD1000 | 430TZSSD1000 | 495TZSSD1000 | 520TZSSD2000 | 535TZSSD1000 | 555TZSSD2000 | 585TZSSD2000 |
|--------------------|------------------|--------|--|------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SEER | | | | | 5.064 | 5.07 | 5.307 | 5.507 | 5.46 | 5.167 | 4.767 | 5.335 | 4.838 | 4.774 |
| Cooling capacity | Nom. | | | kW | 2,357.64 | 379.56 | 42704 | 497.67 | 565.51 | 644.86 | 672.4 | 699.08 | 718.05 | 763.44 |
| Power input | Cooling | | | kW | 882.68 | 104.5 | 11489 | 142.11 | 166.38 | 190.79 | 190.48 | 200.71 | 206.69 | 233.61 |
| Capacity control | Method | | | | Stepless | | | | | | | | | |
| | Minimum capacity | | | % | 10 | 215 | 19 | 16.5 | 215 | 23 | 10.5 | 215 | 10 | |
| EER | | | | | 2.67 | 3.63 | 3.72 | 3.5 | 3.4 | 3.38 | 3.53 | 3.48 | 3.47 | 3.27 |
| IPLV | | | | | 5.606 | 6.487 | 6.589 | 6.445 | 7.06 | 7.327 | 6.306 | 6.935 | 6.178 | 6.272 |
| Dimensions | Unit | Height | | mm | 2,553 | | | | | | | | | |
| | | Width | | mm | 2,238 | | | | | | | | | |
| | | Depth | | mm | 13,360 | 3,640 | 4,720 | | | | 5,800 | | | |
| Weight | Unit | | | kg | 10,070 | 3,136 | 3,675 | | 4,090 | 4,154 | 4,555 | 4,664 | 4,555 | |
| | Operation weight | | | kg | 12,150 | 3,427 | 4,045 | 4,050 | 4,487 | 4,576 | 5,237 | 5,161 | 5,242 | 5,247 |
| Air heat exchanger | Type | | | | Microchannel | | | | | | | | | |
| Compressor | Type | | | | Screw compressor | | | | | | | | | |
| | Quantity | | | | 2 | 1 | | | | | 2 | 1 | 2 | |
| Fan | Type | | | | | | | | | | | | | |



MicroTech 4



				EWFS	595TZSSD1000	645TZSSD2000	650TZSSD1000	705TZSSD2000	760TZSSD2000	835TZSSD2000	960TZSSD2000
SEER					5.22	4.926	5.093	4.82	5.427	5.3	5.171
Cooling capacity	Nom.			kW	768.14	839.18	849.01	927.67	984.93	1,076.32	1,237
Power input	Cooling			kW	235.05	237.73	281.5	286.32	271.86	318.44	377.36
Capacity control	Method				Stepless						
	Minimum capacity			%	19	10	16.5	10	12.5	10.5	11.5
EER					3.27	3.53	3.02	3.24	3.62	3.38	3.28
IPLV					6.45	6.55	6.337	6.785	6.548	6.624	6.415
Dimensions	Unit	Height		mm	2,553						
		Width		mm	2,238						
		Depth		mm	5,800	6,880	5,800	6,880	7960		
Weight	Unit			kg	4,664	5,083	4,664	5,083	6,059		6,316
	Operation weight			kg	5,166	5,835	5,176	5,840	6,916	6,926	7,404
Air heat exchanger	Type				Microchannel						
Compressor	Type				Screw compressor						
	Quantity				1	2	1	2			
Fan	Type				Direct propeller						
	Quantity				10	12	10	12	14		
	Air flow rate	Cooling	Nom.	l/s	56,275	67,530	56,275	67,530	78,785		
Sound power level	Cooling	Nom.		dB(A)	98.4	100.9	100.7	103	99.2	100.2	99.6
Sound pressure level	Cooling	Nom.		dB(A)	77.7	79.8	80	81.9	77.7	78.7	78
Operation range	Air side	Cooling	Min.~Max.	°CDB	4 ~18						
Refrigerant	Type/GWP				R-513A/630						
	Charge			kg	80	90		95	105	115	135
	Circuits	Quantity			1	2	1	2			
Piping connections	Evaporator water inlet/outlet (OD)				139.7	168.3	139.7	168.3			219.1
Unit	Starting current	Max			0						
	Running current	Cooling	Nom.		370	383	439	455	446	515	603
		Max			467	523	474	566	610	679	706
Power supply	Phase/Frequency/Voltage				3/50/400						

- | | | | | | EWFS-TZXSD | | 10TZKXSD2000 | 10TZKXSD2000 | 11TZKXSD2000 | 12TZKXSD2000 | 12TZKXSD2000 | 13TZKXSD2000 | 14TZKXSD2000 | 15TZKXSD2000 | 16TZKXSD2000 | 17TZKXSD2000 |
|----------------------|------------------------------------|----------|-----------|------|------------|--|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| SEER | | | | | | | 4.899 | 5.183 | 5.793 | 5.68 | 5.627 | 5.687 | 5.603 | 5.478 | 5.355 | 5.225 |
| Cooling capacity | Nom. | | | kW | | | 1,370.23 | 1,274.13 | 1,436.39 | 1,536.75 | 1,603.58 | 1,720.07 | 1,866.66 | 1,957.89 | 2,092.93 | 2,138.76 |
| Power input | Cooling | | | kW | | | 407.56 | 356.3 | 405.88 | 463.58 | 489.2 | 532.36 | 523.31 | 577.55 | 655.27 | 711.26 |
| Capacity control | Method | | | | | | Stepless | | | | | | | | | |
| | Minimum capacity | | | % | | | 10.5 | 11.5 | 10.5 | 10 | | | 15 | 13.5 | 12.5 | 11.5 |
| EER | | | | | | | 3.36 | 3.58 | 3.54 | 3.32 | 3.28 | 3.23 | 3.57 | 3.39 | 3.19 | 3.01 |
| IPLV | | | | | | | 5.84 | 5.977 | 5.764 | 5.622 | 5.541 | 5.84 | 6.097 | 5.958 | 6.475 | 6.196 |
| Dimensions | Unit | Height | | mm | | | 2,553 | | | | | | | | | |
| | | Width | | mm | | | 2,238 | | | | | | | | | |
| | | Depth | | mm | | | 10,120 | | | 11,200 | | | 12,280 | | 13,360 | |
| Weight | Unit | | | kg | | | 7,390 | | 8,011 | | | 8,892 | | 10,070 | | |
| | Operation weight | | | kg | | | 8,619 | 8,609 | 9,391 | 9,401 | 9,416 | 10,826 | 12,080 | 12,095 | 12,110 | 12,125 |
| Air heat exchanger | Type | | | | | | Microchannel | | | | | | | | | |
| Compressor | Type | | | | | | Screw compressor | | | | | | | | | |
| | Quantity | | | | | | 2 | | | | | | | | | |
| Fan | Type | | | | | | Direct propeller | | | | | | | | | |
| | Quantity | | | | | | 18 | | | 20 | | | 22 | | 24 | |
| | Air flow rate | Cooling | Nom. | l/s | | | 101,295 | | | 112,550 | | | 123,805 | | 135,060 | |
| Sound power level | Cooling | Nom. | | dBA | | | 102.3 | 101 | 103 | 105.2 | 107.5 | 106.1 | 102 | 102.8 | 103.7 | 104.5 |
| Sound pressure level | Cooling | Nom. | | dBA | | | 77.5 | 76.8 | 77.6 | 77.9 | 78 | 79.1 | 78.9 | 79.7 | 80.5 | 81.4 |
| Operation range | Air side | Cooling | Min.~Max. | °CDB | | | 4 ~ 18 | | | | | | | | | |
| Refrigerant | Type/GWP | | | | | | R-513A/630 | | | | | | | | | |
| | Charge | | | kg | | | 145 | 135 | 155 | 165 | 180 | 190 | 200 | 215 | 230 | 245 |
| | Circuits | Quantity | | | | | 2 | | | | | | | | | |
| Piping connections | Evaporator water inlet/outlet (OD) | | | | | | 219.1 | | | 273 | | | | | | |
| Unit | Starting current | Max | | | | | 0 | | | | | | | | | |
| | Running current | Cooling | Nom. | | | | 648 | 572 | 645 | 731 | 769 | 833 | 828 | 909 | 1,024 | 1,115 |
| | Max | | | | | | 782 | 720 | 744 | 803 | 851 | 899 | 997 | 1,103 | 1,217 | 1,330 |
| Power supply | Phase/Frequency/Voltage | | | | | | 3/50/400 | | | | | | | | | |
- | | | | | | EWFS | | 295TZKXSD1000 | 345TZKXSD1000 | 380TZKXSD1000 | 440TZKXSD1000 | 515TZKXSD1000 | 525TZKXSD2000 | 565TZKXSD2000 | 565TZKXSD1000 | 610TZKXSD2000 | 635TZKXSD1000 |
|------------------|------------------|--------|--|----|------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| SEER | | | | | | | 5.287 | 5.458 | 5.423 | 5.849 | 5.656 | 5.598 | 5.491 | 5.799 | 5.57 | 5.696 |
| Cooling capacity | Nom. | | | kW | | | 393.3 | 464.21 | 504.51 | 576.36 | 684.71 | 701.26 | 756.22 | 755.03 | 806.68 | 832.82 |
| Power input | Cooling | | | kW | | | 111.73 | 127.15 | 147.6 | 146.25 | 193.48 | 176.68 | 202.96 | 206.8 | 210.68 | 245.02 |
| Capacity control | Method | | | | | | Stepless | | | | | | | | | |
| | Minimum capacity | | | % | | | 215 | 19 | 16.5 | 275 | 23 | 12.5 | 115 | 215 | 10.5 | 19 |
| EER | | | | | | | 3.52 | 3.65 | 3.42 | 3.94 | 3.54 | 3.97 | 3.73 | 3.65 | 3.83 | 3.4 |
| IPLV | | | | | | | 5.759 | 5.595 | 5.394 | 5.248 | 5.188 | 5.66 | 5.565 | 5.131 | 5.488 | 5.296 |
| Dimensions | Unit | Height | | mm | | | 2,553 | | | | | | | | | |
| | | Width | | mm | | | 2,238 | | | | | | | | | |
| | | Depth | | mm | | | 3,640 | 4,720 | | 5,800 | | 6,880 | | | 7,960 | 6,880 |
| Weight | Unit | | | kg | | | 3,307 | 3,846 | | 4,7 | | | | | | |



				EWFS	670TZXSD2000	705TZXSD1000	725TZXSD2000	760TZXSD1000	805TZXSD2000	880TZXSD2000	950TZXSD2000
SEER					5.47	5.285	5.52	5.158	5.693	5.53	5.674
Cooling capacity	Nom.			kW	870.58	912.51	937.25	96769	1,038.12	1,125.04	1,220.64
Power input	Cooling			kW	242.16	26199	266.26	298.67	280.04	30194	354.22
Capacity control	Method				Stepless						
	Minimum capacity			%	10	30	10	275	10	13.5	12.5
EER					3.6	3.48	3.52	3.24	3.71	3.73	3.45
IPLV					5.498	5.22	5.5	5.811	5.594	5.57	5.485
Dimensions	Unit	Height		mm	2,553						
		Width		mm	2,238						
		Depth		mm	9,040						
Weight	Unit			kg	5,763	5,984	5,834	5,984	6,624	6,881	
	Operation weight			kg	6,581	6,586	6,704	6,596	7,753	8,019	8,029
Air heat exchanger	Type				Microchannel						
Compressor	Type				Screw compressor						
Fan	Quantity				2	1	2	1	2		
	Type				Direct propeller						
	Quantity				14	12	14	12	16		
	Air flow rate	Cooling	Nom.	l/s	78,785	67,530	78,785	67,530	90,040		
Sound power level	Cooling	Nom.		dBA	100.9	99	102.3	99.8	104.6	98.4	100.3
Sound pressure level	Cooling	Nom.		dBA	83.3	77.8	83.8	78.6	83.9	76.1	76.5
Operation range	Air side	Cooling	Min.~Max.	°CDB	4 ~18						
Refrigerant	Type/GWP				R-513A/630						
	Charge			kg	90	95	100	105	110	120	130
	Circuits	Quantity			2	1	2	1	2		
Piping connections	Evaporator water inlet/outlet (OD)				168.3	139.7	168.3	139.7	219.1		
Unit	Starting current	Max			0						
	Running current	Cooling	Nom.		389	415	425	469	446	491	569
	current	Max			498	520	535	568	573	626	683
Power supply	Phase/Frequency/Voltage				3/50/400						

Air cooled Inverter screw free cooling with PLATINUM efficiency. Standard sound.

- Refrigerant R-513A
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- Premium energy efficiency both at full and part load conditions
- Best capacity with smallest footprint
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Glycol free application
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

EWFS				10TZPSD2000	10TZPSD2000	11TZPSD2000	12TZPSD2000	12TZPSD2000	13TZPSD2000	14TZPSD2000	15TZPSD2000	285TZPSD1000	330TZPSD1000
SEER				5.687	6.078	6.041	6.011	5.921	5.886	5.12	5.622	5.743	5.964
Cooling capacity	Nom.		kW	1,381.36	1,302.53	1,446.85	1,537.35	1,651.82	1,785.62	1,875.03	1,970.53	379.75	447.65
Power input	Cooling	Nom.	kW	382.23	343.58	398.36	435.51	480.74	519.68	514.84	571.83	90.57	109.69
Capacity control	Method			Stepless									
	Minimum capacity		%	10.5	11.5	10.5		10		15	13.5	23	20
EER				3.61	3.79	3.63	3.53	3.44		3.64	3.45	4.19	4.08
IPLV				6.156	6.287	6.119	6.152	6.299	6.124	5.955	5.832	6.447	6.205
Dimensions	Unit	Height	mm	2,553									
		Width	mm	2,238									
		Depth	mm	11,200		12,280				13,360		4,720	5,800
Weight	Unit		kg	7900		8,521		8,892	9,402	10,070		3,846	4,356
	Operation weight		kg	9,199	9,189	9,971	9,976	10,816	11,401	12,085	12,100	4,211	4,791
Air heat exchanger	Type			Microchannel									
Compressor	Type			Screw compressor									
	Quantity			2									
Fan	Type			Direct propeller									
	Quantity			20		22		24				8	10
	Air flow rate	Cooling	Nom.	112,550		123,805		135,060				45,020	56,275
Sound power level	Cooling	Nom.	dB(A)	102.4	101.1	103	105.2	107.5	106.2	102	102.8	97.5	98.1
Sound pressure level	Cooling	Nom.	dB(A)	77.3	76.6	77.4	77.7	77.9	78.9		79.7	78.2	81
Operation range	Air side	Cooling	Min.~Max.	4 ~ 18									
Refrigerant	Type/GWP			R-513A/630									
	Charge		kg	150	140	160	165	180	190	205	220	40	45
	Circuits	Quantity		2									
Piping connections	Evaporator water inlet/outlet (OD)			219.1									
Unit	Starting current	A		0									
	Running current	Cooling	A	610	553	634	689	757	814	816	900	149	178
	current	A		761	709	796	845	893	951	1,039	1,135	220	258
Power supply	Phase/Hz/V			3/50/400									

EWFS				370TZPSD1000	405TZPSD1000	450TZPSD1000	490TZPSD1000	530TZPSD2000	575TZPSD2000	615TZPSD2000	675TZPSD2000	735TZPSD2000	810TZPSD2000
SEER				5.882	6.268	6.216	6.048	5.945	5.862	5.852	5.73	5.785	6.009
Cooling capacity	Nom.		kW	484.81	550.07	613.91	660.58	709.07	778.68	838.36	887.49	962.15	1,068.99
Power input	Cooling	Nom.	kW	125.7	126.13	145.13	161.16	170.65	194.82	212.73	231.24	257.6	273.19
Capacity control	Method			Stepless									
	Minimum capacity		%	17.5	30	27.5	25	12.5	11.5	10.5		10	
EER				3.86	4.36	4.23	4.1	4.16	4	3.94	3.84	3.73	3.91
IPLV				5.786	5.655	6.054	5.949	6.001	5.87	5.962	6.219	6.346	6.142
Dimensions	Unit	Height	mm	2,553									
		Width	mm	2,238									
		Depth	mm	5,800		6,880		7,960		9,040		10,120	
Weight	Unit		kg	4,356	5,229	5,315		5,763		6,273		6,344	7,134
	Operation weight		kg	4,796	5,771	5,882	5,887	6,566	6,571	7,151	7,161	7,279	8,327
Air heat exchanger	Type			Microchannel									
Compressor	Type			Screw compressor									
	Quantity			1									
Fan	Type			Direct propeller									
	Quantity			10		12		14		16		18	
	Air flow rate	Cooling	Nom.	56,275		67,530		78,785		90,040		101,295	
Sound power level	Cooling	Nom.	dB(A)	100.4	94.7	96	97.7	100.2	100.4	100.7	101	102.3	104.6
Sound pressure level	Cooling	Nom.	dB(A)	81.9	74.2	74.5	74.9	78.6	79.9	80.9	83	83.4	83.6
Operation range	Air side	Cooling	Min.~Max.	4 ~ 18									
Refrigerant	Type/GWP			R-513A/630									
	Charge		kg	50	55	60	65	75	80	85	95	100	110
	Circuits	Quantity		1									
Piping connections	Evaporator water inlet/outlet (OD)			88.9		139.7				168.3			219.1
Unit	Starting current	A		0									
	Running current	Cooling	A	202	208	237	261	283	319	345	373	412	435
	current	A		285	293	352	404	399	429	468	508	535	573



MicroTech 4



EWFS				890TZPSD2000	960TZPSD2000
SEER				6.196	5.371
Cooling capacity	Nom.		kW	1,159.77	1,236.49
Power input	Cooling	Nom.	kW	296.39	332.66
Capacity control	Method			Stepless	
	Minimum capacity		%	13.5	12.5
EER				3.91	3.72
IPLV				6.314	6.136
Dimensions	Unit	Height	mm	2,553	
		Width	mm	2,238	
		Depth	mm	10,120	
Weight	Unit		kg	7,390	
	Operation weight		kg	8,594	8,604
Air heat exchanger	Type			Microchannel	
Compressor	Type			Screw compressor	
	Quantity			2	
Fan	Type			Direct propeller	
	Quantity			18	
	Air flow rate	Cooling	Nom.	101,295	
Sound power level	Cooling	Nom.	dB(A)	98.6	100.4
Sound pressure level	Cooling	Nom.	dB(A)	75.9	76.3
Operation range	Air side	Cooling	Min.~Max.	4 ~ 18	
Refrigerant	Type/GWP			R-513A/630	
	Charge		kg	120	130
	Circuits	Quantity		2	
Piping connections	Evaporator water inlet/outlet (OD)			219.1	
Unit	Starting current	A		0	
	Running current	Cooling	A	483	537
		current	A	616	672
Power supply	Phase/Hz/V			3/50/400	



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