

# Chillers for IT cooling, 15 – 500 kW



TopTherm chiller option packages Page 33 Performance diagrams Page 34 Further information can be found on the Internet

Output class kW		15 – 67					77 – 124					
Type of installation		Stand alone					Stand alone					
Model No.		3232.701	3232.711	3232.721	3232.731	3232.741	3232.751	3232.761	3232.771	3232.781	3232.791	
Total cooling output $T_w = 15^\circ\text{C} / T_u = 35^\circ\text{C}$	kW	15	24	36	48	67	77	88	99	117	124	
Total cooling output $T_w = 18^\circ\text{C} / T_u = 32^\circ\text{C}$	kW	16.7	26.4	39.6	54	75	86.2	98.5	110.9	130.5	138.5	
Integral free cooling output $T_u = 2^\circ\text{C}$	kW	19.2	19.2	27.6	27.6	76	89	109	112	135	137	
Rated operating voltage	V, ~, Hz	400, 3~, 50					400, 3~, 50					
Width	mm	810	810	810	1000	1100	1100	1100	1100	1100	1100	
Height	mm	1542	1542	1542	1780	1606	1606	1606	1606	1606	1875	1875
Depth	mm	1800	1800	1800	2300	3240	3240	3240	3240	3240	3240	3240
Power consumption <sup>1)</sup>	kW	6.9	9.7	14.6	21	21	24	26	29	36	41	
Tank capacity	l	48	48	48	100	200	200	200	200	300	300	
Operating temperature range		-20°C...+43°C					-20°C...+43°C					
Refrigerant		R407c				R410a	R410a					
Water connection		1½" Victaulic				2½" Victaulic						
Air throughput at max. cooling output	m³/h	10880	10880	14000	18000	22000	22000	27000	27000	34100	34100	
Pump capacity	l/min	60		120		240	240	240	240	470	470	
Pump pressure	bar	2.5					2.5					
Noise pressure level	dB (A)	53				42	42	43	44	50	50	
Temperature of liquid		+5°C...+20°C					+5°C...+20°C					
Number of cooling circuits		1				2	2					
Weight as delivered	kg	400	415	505	710	896	896	906	912	1119	1123	
Operating weight	kg	448	463	553	810	1096	1096	1106	1112	1419	1423	
Permissible operating pressure	bar	28				45	45					
Colour		RAL 7035				RAL 9002	RAL 9002			RAL 9002		
<b>Accessories</b>												
Cooling medium (indoor)	10 l / 25 l						3301.960 / 3301.965					
Cooling medium (outdoor)	10 l / 25 l						3301.960 / 3301.965					

<sup>1)</sup> With pump

# Chillers for IT cooling, 15 – 500 kW



TopTherm chiller option packages Page 33 Performance diagrams Page 34 Further information can be found on the Internet

Output class kW		155 – 261					291 – 500					
Type of installation		Stand alone					Stand alone					
Model No.		3232.801	3232.811	3232.821	3232.891	3232.831	3232.841	3232.851	3232.861	3232.871	3232.881	
Total cooling output $T_w = 15^\circ\text{C} / T_u = 35^\circ\text{C}$	kW	155	172	196	235	262	291	326	387	430	481	
Total cooling output $T_w = 18^\circ\text{C} / T_u = 32^\circ\text{C}$	kW	172.8	191.8	219.1	272.8	292.5	325.1	364.1	432.6	480.5	537.4	
Integral free cooling output $T_u = 2^\circ\text{C}$		181	211	231	248	240	273	303	339	385	432	
Rated operating voltage	V, ~, Hz	400, 3~, 50					400, 3~, 50					
Width	mm	1100	1100	1100	1500	2200	2200	2200	2200	2200	2200	
Height	mm	1875	1875	1875	1975	2450	2450	2450	2450	2450	2450	
Depth	mm	3240	3240	4240	4350	3400	3400	3400	4250	4250	4250	
Power consumption <sup>1)</sup>	kW	47	52	60	70	80	93	106	121	141	159	
Tank capacity	l	300	300	300	700	700	700	700	700	700	700	
Operating temperature range		-20°C...+43°C					-20°C...+43°C					
Refrigerant		R410a					R410a					
Water connection		2½" Victaulic			3" Victaulic			4" Victaulic				
Air throughput at max. cooling output	m³/h	32600	32600	50000	49000	72800	71500	70200	106200	104100	102000	
Pump capacity	l/min	500	500	500	500	810	810	810	1200	1200	1200	
Pump pressure	bar	2.5					2.5					
Noise pressure level	dB (A)	50	51	53	53	56	56	56	59	58.5	58.5	
Temperature of liquid		+5°C...+20°C					+5°C...+20°C					
Number of cooling circuits		2					2					
Weight as delivered	kg	1308	1321	1489	1933	2546	2693	2843	3148	3354	3576	
Operating weight	kg	1608	1621	1789	2633	3246	3393	3543	3848	4054	4276	
Permissible operating pressure	bar	45					45					
Colour		RAL 9002					RAL 9002					
<b>Accessories</b>												
Cooling medium (indoor)	10 l / 25 l						3301.960 / 3301.965					
Cooling medium (outdoor)	10 l / 25 l						3301.960 / 3301.965					

<sup>1)</sup> With pump