

For relative humidity $\phi = 55\%$

HC 20-3S – 3200 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,26	3,8	4,35	4,89	5,44
Dry bulb outlet temperature [°C]	20,9	22,4	23,9	25,3	26,7
Water flow [m ³ /h]	0,56	0,65	0,75	0,84	0,93
Pressure drop in the heat exchanger [kPa]	3	4	5	6	7

HC 30-3S – 3100 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,95	4,63	5,29	5,96	11,8
Dry bulb outlet temperature [°C]	20,2	21,5	22,8	24,1	25,3
Water flow [m ³ /h]	0,68	0,79	0,91	1,02	2,02
Pressure drop in the heat exchanger [kPa]	4	5	6	8	28

HC 35-3S – 2700 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	4,7	5,45	9,2	11,5	13,9
Dry bulb outlet temperature [°C]	18,8	19,9	20,9	22,1	23,3
Water flow [m ³ /h]	0,81	0,93	1,58	1,97	2,38
Pressure drop in the heat exchanger [kPa]	3	4	10	15	21

HC 45-3S – 2500 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	9,43	12,1	14,9		
Dry bulb outlet temperature [°C]	15,3	16,2	17,0		
Water flow [m ³ /h]	1,62	2,07	2,55		
Pressure drop in the heat exchanger [kPa]	27	43	63		

HC 50-3S – 5000 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	8,62	9,84	17,7	21,4	
Dry bulb outlet temperature [°C]	18,8	20,0	21,2	22,5	
Water flow [m ³ /h]	1,48	1,69	3,03	3,67	
Pressure drop in the heat exchanger [kPa]	12	16	47	67	

HC 70-3S – 3400 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	13,7	17,5	21,6	25,9	30,5
Dry bulb outlet temperature [°C]	14,9	15,6	16,4	17,2	18,0
Water flow [m ³ /h]	2,35	3,0	3,7	4,44	5,23
Pressure drop in the heat exchanger [kPa]	21	34	50	70	96

HC 20-3S – 3200 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,63	3,17	3,7	4,24	4,78
Dry bulb outlet temperature [°C]	21,5	23,0	24,5	25,9	27,4
Water flow [m ³ /h]	0,38	0,45	0,53	0,61	0,68
Pressure drop in the heat exchanger [kPa]	1	2	2	3	4

HC 30-3S – 3100 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,18	3,84	4,49	5,16	5,81
Dry bulb outlet temperature [°C]	20,9	22,2	23,6	24,9	26,2
Water flow [m ³ /h]	0,45	0,55	0,64	0,74	0,83
Pressure drop in the heat exchanger [kPa]	2	3	3	4	5

HC 35-3S – 2700 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,85	4,59	5,34	9,16	11,5
Dry bulb outlet temperature [°C]	19,7	20,8	22,0	22,9	24,1
Water flow [m ³ /h]	0,55	0,66	0,76	1,31	1,65
Pressure drop in the heat exchanger [kPa]	1	2	2	7	10

HC 45-3S – 2500 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	6,24	9,51	12,3	15,4	18,6
Dry bulb outlet temperature [°C]	16,5	17,3	18,1	19,0	19,8
Water flow [m ³ /h]	0,89	1,36	1,76	2,19	2,66
Pressure drop in the heat exchanger [kPa]	9	20	32	47	67

HC 50-3S – 5000 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	7,39	8,6	9,82	18,2	22,2
Dry bulb outlet temperature [°C]	19,6	20,8	22,0	23,1	24,5
Water flow [m ³ /h]	1,06	1,23	1,4	2,6	3,16
Pressure drop in the heat exchanger [kPa]	7	9	11	35	51

HC 70-3S – 3400 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	9,05	13,9	18,0	22,3	26,9
Dry bulb outlet temperature [°C]	16,0	16,8	17,6	18,4	19,1
Water flow [m ³ /h]	1,29	1,98	2,56	3,18	3,84
Pressure drop in the heat exchanger [kPa]	7	15	25	37	53

HC 20-3S – 3200 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,75	3,29	3,84	4,38	4,92
Dry bulb outlet temperature [°C]	21,4	22,9	24,3	25,8	27,3
Water flow [m ³ /h]	0,47	0,57	0,66	0,75	0,84
Pressure drop in the heat exchanger [kPa]	2	3	4	5	6

HC 30-3S – 3100 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,33	3,99	4,67	5,33	6,0
Dry bulb outlet temperature [°C]	20,8	22,1	23,4	24,7	26,0
Water flow [m ³ /h]	0,57	0,68	0,8	0,91	1,03
Pressure drop in the heat exchanger [kPa]	3	4	5	6	8

HC 35-3S – 2700 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,98	4,74	5,49	9,63	12,1
Dry bulb outlet temperature [°C]	19,6	20,7	21,8	22,7	24,0
Water flow [m ³ /h]	0,68	0,81	0,94	1,65	2,07
Pressure drop in the heat exchanger [kPa]	2	3	4	10	16

HC 45-3S – 2500 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	6,25	9,7	12,5		
Dry bulb outlet temperature [°C]	16,5	17,2	18,0		
Water flow [m ³ /h]	1,07	1,66	2,15		
Pressure drop in the heat exchanger [kPa]	13	28	46		

HC 50-3S – 5000 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	7,42	8,65	9,86	18,5	22,5
Dry bulb outlet temperature [°C]	19,5	20,8	22,0	23,1	24,4
Water flow [m ³ /h]	1,27	1,48	1,69	3,18	3,86
Pressure drop in the heat exchanger [kPa]	9	12	16	51	73

HC 70-3S – 3400 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	9,04	14,2	18,2	22,6	27,2
Dry bulb outlet temperature [°C]	16,0	16,7	17,5	18,3	19,1
Water flow [m ³ /h]	1,55	2,43	3,12	3,87	4,66
Pressure drop in the heat exchanger [kPa]	10	22	36	54	77

HC 20-3S – 3200 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,65	2,17	2,71	3,24	3,77
Dry bulb outlet temperature [°C]	22,4	23,9	25,4	26,9	28,4
Water flow [m³/h]	0,24	0,31	0,39	0,46	0,54
Pressure drop in the heat exchanger [kPa]	0	1	1	2	2

HC 30-3S – 3100 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,98	2,62	3,26	3,92	4,58
Dry bulb outlet temperature [°C]	22,1	23,4	24,8	26,1	27,4
Water flow [m³/h]	0,28	0,37	0,47	0,56	0,66
Pressure drop in the heat exchanger [kPa]	1	1	2	3	3

HC 35-3S – 2700 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,45	3,19	3,94	4,68	5,43
Dry bulb outlet temperature [°C]	21,3	22,4	23,6	24,7	25,8
Water flow [m³/h]	0,35	0,46	0,56	0,67	0,78
Pressure drop in the heat exchanger [kPa]	1	1	1	2	2

HC 45-3S – 2500 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	4,28	5,29	6,29	10,2	13,5
Dry bulb outlet temperature [°C]	18,8	19,6	20,3	21,0	21,8
Water flow [m ³ /h]	0,61	0,76	0,9	1,46	1,93
Pressure drop in the heat exchanger [kPa]	5	7	9	22	37

HC 50-3S – 5000 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	5,01	6,24	7,45	8,66	9,88
Dry bulb outlet temperature [°C]	21,0	22,2	23,5	24,7	25,9
Water flow [m ³ /h]	0,72	0,89	1,07	1,24	1,41
Pressure drop in the heat exchanger [kPa]	3	5	7	9	11

HC 70-3S – 3400 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	6,22	7,68	9,11	14,9	19,6
Dry bulb outlet temperature [°C]	18,5	19,2	19,8	20,5	21,3
Water flow [m ³ /h]	0,89	1,1	1,3	2,13	2,8
Pressure drop in the heat exchanger [kPa]	3	5	7	17	29