

For relative humidity $\phi = 55\%$

HC 20-3S – 2150 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,67	3,10	3,54	3,97	7,93
Dry bulb outlet temperature [°C]	20,3	21,6	23,0	24,3	25,8
Water flow [m ³ /h]	0,46	0,53	0,61	0,68	1,36
Pressure drop in the heat exchanger [kPa]	2	2	3	4	14

HC 30-3S – 1950 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,10	3,61	4,11	7,54	9,19
Dry bulb outlet temperature [°C]	19,2	20,4	21,6	22,8	24,1
Water flow [m ³ /h]	0,53	0,62	0,71	1,29	1,57
Pressure drop in the heat exchanger [kPa]	2	3	4	12	18

HC 35-3S – 1700 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,61	5,56	7,13	8,81	10,6
Dry bulb outlet temperature [°C]	17,6	18,6	19,7	20,7	21,8
Water flow [m ³ /h]	0,62	0,95	1,22	1,51	1,82
Pressure drop in the heat exchanger [kPa]	2	4	6	9	13

HC 45-3S – 1450 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	6,69	8,50	10,40	12,40	14,60
Dry bulb outlet temperature [°C]	13,9	14,6	15,2	15,8	16,5
Water flow [m ³ /h]	1,15	1,46	1,78	2,13	2,50
Pressure drop in the heat exchanger [kPa]	15	23	33	45	61

HC 50-3S – 2400 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	5,64	9,45	11,70	14,00	16,5
Dry bulb outlet temperature [°C]	16,9	18,1	19,2	20,3	21,4
Water flow [m ³ /h]	0,97	1,62	2,0	2,4	2,83
Pressure drop in the heat exchanger [kPa]	6	15	22	30	41

HC 70-3S – 1900 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	9,41	11,9	14,5	17,3	20,3
Dry bulb outlet temperature [°C]	13,4	13,9	14,4	15,0	15,6
Water flow [m ³ /h]	1,61	2,04	2,49	2,97	3,48
Pressure drop in the heat exchanger [kPa]	11	16	24	33	45

HC 20-3S – 2150 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,17	2,60	3,04	3,46	3,89
Dry bulb outlet temperature [°C]	21,0	22,3	23,7	25,1	26,4
Water flow [m ³ /h]	0,31	0,37	0,43	0,49	0,56
Pressure drop in the heat exchanger [kPa]	1	1	2	2	3

HC 30-3S – 1950 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,52	3,02	3,52	4,02	7,55
Dry bulb outlet temperature [°C]	20,1	21,3	22,5	23,7	24,8
Water flow [m ³ /h]	0,36	0,43	0,5	0,57	1,08
Pressure drop in the heat exchanger [kPa]	1	2	2	3	9

HC 35-3S – 1700 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,98	3,55	4,10	7,12	8,92
Dry bulb outlet temperature [°C]	18,7	19,7	20,6	21,7	22,8
Water flow [m ³ /h]	0,43	0,51	0,59	1,02	1,28
Pressure drop in the heat exchanger [kPa]	1	1	1	4	6

HC 45-3S – 1450 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	4,98	6,80	8,73	10,80	13,00
Dry bulb outlet temperature [°C]	15,3	15,9	16,5	17,1	17,8
Water flow [m ³ /h]	0,71	0,97	1,25	1,54	1,85
Pressure drop in the heat exchanger [kPa]	6	11	17	25	35

HC 50-3S – 2400 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	4,87	5,65	9,69	12,0	14,6
Dry bulb outlet temperature [°C]	17,9	18,9	20,0	21,1	22,2
Water flow [m ³ /h]	0,7	0,81	1,38	1,72	2,08
Pressure drop in the heat exchanger [kPa]	3	4	11	16	23

HC 70-3S – 1900 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	7,07	9,62	12,3	15,1	18,1
Dry bulb outlet temperature [°C]	14,8	15,3	15,8	16,3	16,9
Water flow [m ³ /h]	1,01	1,37	1,75	2,16	2,59
Pressure drop in the heat exchanger [kPa]	4	8	12	18	25

HC 20-3S – 2150 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,26	2,69	3,13	3,56	4,00
Dry bulb outlet temperature [°C]	20,8	22,2	23,6	24,9	26,3
Water flow [m ³ /h]	0,39	0,46	0,54	0,61	0,69
Pressure drop in the heat exchanger [kPa]	1	2	2	3	4

HC 30-3S – 1950 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,62	3,13	3,63	4,14	7,94
Dry bulb outlet temperature [°C]	20,0	21,1	22,3	23,5	24,7
Water flow [m ³ /h]	0,45	0,54	0,62	0,71	1,36
Pressure drop in the heat exchanger [kPa]	2	2	3	4	14

HC 35-3S – 1700 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,07	3,63	5,78	7,46	9,26
Dry bulb outlet temperature [°C]	18,6	19,5	20,5	21,5	22,6
Water flow [m ³ /h]	0,53	0,62	0,99	1,28	1,59
Pressure drop in the heat exchanger [kPa]	1	2	4	6	10

HC 45-3S – 1450 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	5,08	6,90	8,83	10,90	13,00
Dry bulb outlet temperature [°C]	15,2	15,8	16,4	17,1	17,7
Water flow [m ³ /h]	0,87	1,18	1,51	1,86	2,24
Pressure drop in the heat exchanger [kPa]	9	15	24	35	49

HC 50-3S – 2400 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	4,87	5,65	9,82	12,2	14,7
Dry bulb outlet temperature [°C]	17,9	18,9	20,0	21,1	22,2
Water flow [m ³ /h]	0,84	0,97	1,68	2,09	2,52
Pressure drop in the heat exchanger [kPa]	4	6	16	23	33

HC 70-3S – 1900 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	7,19	9,71	12,4	15,2	18,2
Dry bulb outlet temperature [°C]	14,8	15,2	15,8	16,3	16,9
Water flow [m ³ /h]	1,23	1,66	2,12	2,60	3,12
Pressure drop in the heat exchanger [kPa]	6	11	17	26	36

HC 20-3S – 2150 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,37	1,80	2,22	2,65	3,09
Dry bulb outlet temperature [°C]	22,1	23,5	24,8	26,2	27,6
Water flow [m³/h]	0,2	0,26	0,32	0,38	0,44
Pressure drop in the heat exchanger [kPa]	0	1	1	1	2

HC 30-3S – 1950 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,58	2,08	2,58	3,08	3,58
Dry bulb outlet temperature [°C]	21,6	22,8	24,0	25,2	26,3
Water flow [m³/h]	0,23	0,3	0,37	0,44	0,51
Pressure drop in the heat exchanger [kPa]	0	1	1	2	2

HC 35-3S – 1700 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,93	2,49	3,04	3,60	5,98
Dry bulb outlet temperature [°C]	20,6	21,6	22,5	23,5	24,4
Water flow [m³/h]	0,28	0,36	0,44	0,52	0,86
Pressure drop in the heat exchanger [kPa]	0	1	1	1	3

HC 45-3S – 1450 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,04	3,72	5,22	7,31	9,52
Dry bulb outlet temperature [°C]	17,7	18,2	19,1	19,6	20,2
Water flow [m³/h]	0,43	0,53	0,75	1,05	1,36
Pressure drop in the heat exchanger [kPa]	2	4	6	12	19

HC 50-3S – 2400 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,34	4,13	4,90	8,05	10,60
Dry bulb outlet temperature [°C]	19,8	20,8	21,8	22,7	23,8
Water flow [m³/h]	0,48	0,59	0,70	1,15	1,51
Pressure drop in the heat exchanger [kPa]	1	2	3	8	13

HC 70-3S – 1900 m³/h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	4,27	5,22	7,41	10,3	13,4
Dry bulb outlet temperature [°C]	17,2	17,7	18,6	19,0	19,5
Water flow [m³/h]	0,61	0,75	1,06	1,48	1,91
Pressure drop in the heat exchanger [kPa]	2	2	5	9	14