

For relative humidity $\phi = 55\%$

HC 20-3S – 1350 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,07	2,40	2,73	5,06	6,13
Dry bulb outlet temperature [°C]	19,4	20,6	21,8	23,3	24,6
Water flow [m ³ /h]	0,35	0,41	0,47	0,87	1,05
Pressure drop in the heat exchanger [kPa]	1	1	2	6	8

HC 30-3S – 1250 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,40	2,78	4,70	5,85	7,09
Dry bulb outlet temperature [°C]	18,2	19,3	20,5	21,6	22,8
Water flow [m ³ /h]	0,41	0,48	0,8	1,0	1,21
Pressure drop in the heat exchanger [kPa]	1	2	5	8	11

HC 35-3S – 1100 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,75	4,31	5,48	6,73	8,09
Dry bulb outlet temperature [°C]	16,5	17,5	18,4	19,4	20,3
Water flow [m ³ /h]	0,47	0,74	0,94	1,15	1,39
Pressure drop in the heat exchanger [kPa]	1	2	4	5	8

HC 45-3S – 950 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	5,01	6,32	7,69	9,16	10,70
Dry bulb outlet temperature [°C]	12,9	13,3	13,8	14,3	14,8
Water flow [m ³ /h]	0,86	1,08	1,32	1,57	1,83
Pressure drop in the heat exchanger [kPa]	9	13	19	26	34

HC 50-3S – 1750 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	6,12	7,78	9,57	11,5	13,5
Dry bulb outlet temperature [°C]	16,3	17,2	18,2	19,3	20,3
Water flow [m ³ /h]	1,05	1,33	1,64	1,96	2,31
Pressure drop in the heat exchanger [kPa]	7	10	15	21	28

HC 70-3S – 1450 m ³ /h					
Supply/return water temperature [°C]	5/10				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	7,80	9,83	12,0	14,2	16,6
Dry bulb outlet temperature [°C]	12,7	13,1	13,5	14,0	14,5
Water flow [m ³ /h]	1,34	1,68	2,05	2,44	2,85
Pressure drop in the heat exchanger [kPa]	7	11	16	23	31

HC 20-3S – 1350 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,70	2,02	2,35	2,68	5,10
Dry bulb outlet temperature [°C]	20,2	21,5	22,7	23,9	25,3
Water flow [m ³ /h]	0,24	0,29	0,34	0,38	0,73
Pressure drop in the heat exchanger [kPa]	1	1	1	1	4

HC 30-3S – 1250 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,97	2,35	2,73	4,67	5,88
Dry bulb outlet temperature [°C]	19,3	20,3	21,3	22,5	23,7
Water flow [m ³ /h]	0,28	0,34	0,39	0,67	0,84
Pressure drop in the heat exchanger [kPa]	1	1	1	4	6

HC 35-3S – 1100 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,30	2,72	4,27	5,51	6,85
Dry bulb outlet temperature [°C]	17,7	18,5	19,6	20,5	21,4
Water flow [m ³ /h]	0,33	0,39	0,61	0,79	0,98
Pressure drop in the heat exchanger [kPa]	0	1	2	3	4

HC 45-3S – 950 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,81	5,14	6,53	8,01	9,57
Dry bulb outlet temperature [°C]	14,4	14,8	15,2	15,7	16,2
Water flow [m ³ /h]	0,54	0,73	0,93	1,14	1,37
Pressure drop in the heat exchanger [kPa]	4	6	10	14	20

HC 50-3S – 1750 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	4,00	6,21	8,00	9,89	11,9
Dry bulb outlet temperature [°C]	17,1	18,2	19,2	20,2	21,2
Water flow [m ³ /h]	0,57	0,89	1,14	1,41	1,7
Pressure drop in the heat exchanger [kPa]	2	5	8	11	16

HC 70-3S – 1450 m ³ /h					
Supply/return water temperature [°C]	6/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	5,94	8,00	10,2	12,5	14,9
Dry bulb outlet temperature [°C]	14,2	14,6	15,0	15,4	15,9
Water flow [m ³ /h]	0,85	1,14	1,45	1,78	2,13
Pressure drop in the heat exchanger [kPa]	3	5	9	13	18

HC 20-3S – 1350 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,75	2,09	2,41	2,74	5,32
Dry bulb outlet temperature [°C]	20,1	21,3	22,5	23,8	25,1
Water flow [m ³ /h]	0,30	0,36	0,41	0,47	0,91
Pressure drop in the heat exchanger [kPa]	1	1	1	2	6

HC 30-3S – 1250 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,03	2,42	2,80	4,91	6,15
Dry bulb outlet temperature [°C]	19,1	20,1	21,2	22,3	23,5
Water flow [m ³ /h]	0,35	0,41	0,48	0,84	1,06
Pressure drop in the heat exchanger [kPa]	1	1	2	6	8

HC 35-3S – 1100 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,35	2,77	4,47	5,73	7,07
Dry bulb outlet temperature [°C]	17,6	18,4	19,4	20,3	21,2
Water flow [m ³ /h]	0,4	0,47	0,77	0,98	1,21
Pressure drop in the heat exchanger [kPa]	1	1	2	4	6

HC 45-3S – 950 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,85	5,17	6,57	8,03	9,60
Dry bulb outlet temperature [°C]	14,3	14,7	15,2	15,7	16,1
Water flow [m ³ /h]	0,66	0,89	1,13	1,38	1,65
Pressure drop in the heat exchanger [kPa]	5	9	14	20	28

HC 50-3S – 1750 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,99	6,31	8,09	10,00	12,00
Dry bulb outlet temperature [°C]	17,1	18,2	19,1	20,1	21,1
Water flow [m ³ /h]	0,68	1,08	1,39	1,71	2,06
Pressure drop in the heat exchanger [kPa]	3	7	11	16	23

HC 70-3S – 1450 m ³ /h					
Supply/return water temperature [°C]	7/12				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	6,00	8,05	10,2	12,5	14,9
Dry bulb outlet temperature [°C]	14,2	14,6	15,0	15,4	15,9
Water flow [m ³ /h]	1,03	1,38	1,75	2,14	2,56
Pressure drop in the heat exchanger [kPa]	5	8	12	18	25

HC 20-3S – 1350 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,09	1,41	1,74	2,06	2,39
Dry bulb outlet temperature [°C]	21,6	22,8	24,1	25,3	26,5
Water flow [m ³ /h]	0,16	0,20	0,25	0,29	0,34
Pressure drop in the heat exchanger [kPa]	0	0	1	1	1

HC 30-3S – 1250 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,25	1,63	2,01	2,39	2,77
Dry bulb outlet temperature [°C]	21,0	22,0	23,1	24,1	25,2
Water flow [m ³ /h]	0,18	0,23	0,29	0,34	0,4
Pressure drop in the heat exchanger [kPa]	0	0	1	1	1

HC 35-3S – 1100 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	1,50	1,92	2,34	2,75	4,66
Dry bulb outlet temperature [°C]	19,9	20,7	21,5	22,3	23,3
Water flow [m ³ /h]	0,22	0,27	0,33	0,39	0,67
Pressure drop in the heat exchanger [kPa]	0	0	0	1	2

HC 45-3S – 950 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,27	2,77	3,99	5,52	7,11
Dry bulb outlet temperature [°C]	16,8	17,2	18,1	18,5	19,0
Water flow [m ³ /h]	0,33	0,40	0,57	0,79	1,02
Pressure drop in the heat exchanger [kPa]	1	2	4	7	11

HC 50-3S – 1750 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	2,76	3,40	4,03	6,68	8,73
Dry bulb outlet temperature [°C]	19,2	20,1	21,0	22,0	22,9
Water flow [m ³ /h]	0,4	0,49	0,58	0,96	1,25
Pressure drop in the heat exchanger [kPa]	1	2	2	5	9

HC 70-3S – 1450 m ³ /h					
Supply/return water temperature [°C]	10/16				
Dry bulb inlet temperature [°C]	24	26	28	30	32
Cooling capacity [kW]	3,54	4,31	6,22	8,60	11,10
Dry bulb outlet temperature [°C]	16,7	17,0	18,0	18,3	18,7
Water flow [m ³ /h]	0,51	0,62	0,89	1,23	1,58
Pressure drop in the heat exchanger [kPa]	1	2	3	6	10