

TECHNICAL DATA SHEET



GHH

**WATER COOLED CHILLER
WITH SCREW COMPRESSORS
FOR INDOOR INSTALLATION**



GHH Range 68 - 1.850 kW

GHH

Water cooled chiller with screw compressors for indoor installation



Screw compressors
Dry expansion evaporator

R134a

HFO
1234ze

R290

General Description

The units of the GHH series are assembled on a strong self-supporting metal screwed and welded structure, painted with epoxy powder with anti-rust coating for outdoor installation.

All units are supplied completely wired and ready to be connected to the user's plant.

Prior to delivery every machine is submitted to a performance test, with intervention tests of all the safety systems and components installed. Each unit is available with low-speed fans and compressor sound insulation kit (Low Noise LN version or Super Low Noise LLN) for installation in areas where sound levels must be kept to a minimum.

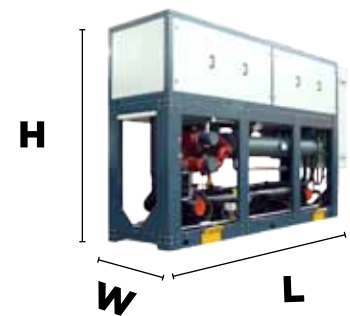
Typical units dimensions

Length: from 3.000 to 5.000 mm

Width: from 800 to 1.960 mm

Height: from 1.610 to 2.650 mm

Operating Weight: from 1.727 kg to 13.204 kg



Length from 3.000 mm to 5.000 mm.

GHH for Dry Cooler connection

R134a

Water cooled chiller with screw compressors for indoor installation

Energymiser		GHH B135 DC-34	GHH B140 DC-34	GHH B150 DC-34	GHH B160 DC-34	GHH B170 DC-34	GHH B180 DC-34
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Total cooling capacity	kW	68	85,1	97,5	117	131,3	165,1
Nominal power input	kW	22,6	27,8	33,8	38,1	43	51,8
E.E.R.	Coef.	3,01	3,06	2,88	3,07	3,05	3,19
Energy class		G	F	G	F	F	F
E.S.E.E.R.	Coef.	3,99	3,97	3,79	4,07	4,06	4,3
Noise Pressure Level	dB(A)	55	56	58	58	59	61
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	1	1	1	1	1	1
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	39	39	39	39	39	39
Cond. outlet water temp.	°C	45	45	45	45	45	45
Condenser coil type (*1)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Evaporator type (*2)	Type	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	22,6	27,8	33,8	38,1	43	51,8
Total running current	A	41,2	48,4	58,3	66,2	74,2	82,5
Total max current	A	58	66	79	98	124	144
Total starting current	A	153	182	206	267	290	394
DIMENSIONS							
Length with cabinet	mm	3000	3000	3500	3500	3500	3800
Width	mm	800	800	800	800	800	1000
Height	mm	1610	1610	1810	1810	1810	2000
Shipping weight	kg	1700	1710	2220	2280	2420	2990
Operating weight	kg	1727	1742	2282	2352	2532	3103
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Dry Cooler connection

Water cooled chiller with screw compressors for indoor installation

GHH B190 DC-34	GHH B1110 DC-34	GHH B1125 DC-34	GHH B1140 DC-34	GHH B1160 DC-34	GHH B1180 DC-34	GHH B1210 DC-34	GHH B1240 DC-34	GHH B235 DC-34	GHH B240 DC-34	GHH B250 DC-34
R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
187,9	223,1	247,4	282,8	325,4	381,6	428,5	471,2	136	170,2	195
59,3	69,6	76,7	88,4	100,8	118,7	133,9	147	45,2	55,6	67,6
3,17	3,21	3,23	3,2	3,23	3,21	3,2	3,21	3,01	3,06	2,88
F	F	F	F	F	F	F	F	G	F	G
4,2	4,28	4	4,08	4,16	4,36	4,21	4,29	4,49	5,06	4,19
62	64	63	63	63	63	63	65	59	60	62
10	10	10	10	10	10	10	10	10	10	10
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
1	1	1	1	1	1	1	1	2	2	2
12	12	12	12	12	12	12	12	12	12	12
6	6	6	6	6	6	6	6	6	6	6
39	39	39	39	39	39	39	39	39	39	39
45	45	45	45	45	45	45	45	45	45	45
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T
BPHE	BPHE	BPHE	BPHE	S&T	S&T	S&T	S&T	BPHE	BPHE	BPHE
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
59,3	69,6	76,7	88,4	100,8	118,7	133,9	147	45,2	55,6	67,6
96,8	118,2	131,7	150,3	166,8	192	223,5	243,9	82,4	96,8	116,6
155	182	215	214	280	310	320	360	116	132	158
439	520	612	665	436	465	586	650	200,1	236,2	277,9
3800	3800	3800	3800	4000	4000	4000	4000	3800	3800	3800
1000	1000	1000	1000	1200	1200	1200	1200	800	800	800
2000	2000	2000	2000	2450	2450	2450	2450	1810	1810	2000
3030	3180	3000	3050	3620	3740	3830	4000	2830	2860	3330
3139	3346	3151	3199	3774	3898	3992	4223	2945	2972	3438

GHH for Dry Cooler connection

Water cooled chiller with screw compressors for indoor installation

Energymiser		GHH B260 DC-34	GHH B270 DC-34	GHH B280 DC-34	GHH B290 DC-34	GHH B2110 DC-34	GHH B2125 DC-34
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Total cooling capacity	kW	234	262,6	330,2	375,8	446,2	494,8
Nominal power input	kW	76,2	86	103,6	118,6	139,2	153,4
E.E.R.	Coef.	3,07	3,05	3,19	3,17	3,21	3,23
Energy class		F	F	F	F	F	F
E.S.E.E.R.	Coef.	5,19	5,08	4,75	4,58	5,48	4,48
Noise Pressure Level	dB(A)	62	63	65	66	68	67
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	2	2	2	2	2	2
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	39	39	39	39	39	39
Cond. outlet water temp.	°C	45	45	45	45	45	45
Condenser coil type (*1)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Evaporator type (*2)	Type	BPHE	BPHE	S&T	S&T	S&T	S&T
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	76,2	86	103,6	118,6	139,2	153,4
Total running current	A	132,4	148,4	165	193,6	236,4	263,4
Total max current	A	196	248	288	310	364	430
Total starting current	A	332,1	367,6	444,5	509,9	614,6	701,1
DIMENSIONS							
Length with cabinet	mm	3800	3800	4000	4000	4000	4000
Width	mm	1000	1000	1000	1000	1000	1000
Height	mm	2000	2000	2250	2250	2250	2250
Shipping weight	kg	3310	3340	4330	4380	4560	4640
Operating weight	kg	3459	3493	4491	4544	4784	4865
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Dry Cooler connection

R134a

Water cooled chiller with screw compressors for indoor installation

GHH B2140 DC-34	GHH B2160 DC-34	GHH B2180 DC-34	GHH B2210 DC-34	GHH B2240 DC-34	GHH B2280 DC-34	GHH B3180 DC-34	GHH B3210 DC-34	GHH B3240 DC-34	GHH B4180 DC-34	GHH B4210 DC-34
R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
565,6	650,8	763,2	857	942,4	1096	1144,8	1285,5	1413,6	1526,4	1714
176,8	201,6	237,4	267,8	294	336,4	356,1	401,7	441	474,8	535,6
3,2	3,23	3,21	3,2	3,21	3,26	3,21	3,2	3,21	3,21	3,2
F	F	F	F	F	F	F	F	F	F	F
5,23	5,21	5,54	5,41	5,45	4,71	5,6	5,41	5,47	5,51	5,36
67	67	67	67	69	76	68	68	70	70	70
10	10	10	10	10	10	10	10	10	10	10
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
2	2	2	2	2	2	3	3	3	4	4
12	12	12	12	12	12	12	12	12	12	12
6	6	6	6	6	6	6	6	6	6	6
39	39	39	39	39	39	39	39	39	39	39
45	45	45	45	45	45	45	45	45	45	45
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
176,8	201,6	237,4	267,8	294	336,4	356,1	401,7	441	474,8	535,6
300,6	333,6	384	447	487,8	558,2	576	670,5	731,7	768	894
428	560	620	640	720	900	930	960	1080	1240	1280
783,4	718,4	808,5	963,5	1056,7	1239,8	1691	1983,3	2167,8	2996,2	3499
4000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
1000	1400	1400	1400	1400	1400	1600	1600	1600	1960	1960
2250	2450	2450	2450	2450	2450	2450	2450	2450	2650	2650
4720	6260	6480	6690	6820	7410	8880	9180	9370	11290	11720
4940	6611	6849	7058	7202	7966	9456	9758	9968	12029	12456

GHH for Dry Cooler connection

R134a

Water cooled chiller with screw compressors for indoor installation

Energymiser		GHH B4240 DC-34					
CHILLER PERFORMANCE							
Refrigerant		R134a					
Total cooling capacity	kW	1884,8					
Nominal power input	kW	588					
E.E.R.	Coef.	3,21					
Energy class		F					
E.S.E.E.R.	Coef.	5,39					
Noise Pressure Level	dB(A)	72					
Distance	m	10					
WORKING CONDITIONS							
Compressors type	Type	Screw					
Compressors number	n°	4					
Evap. inlet water temp.	°C	12					
Evap. outlet water temp.	°C	6					
Cond. inlet water temp.	°C	39					
Cond. outlet water temp.	°C	45					
Condenser coil type (*1)	Type	S&T					
Evaporator type (*2)	Type	S&T					
Power circuit voltage	V/Ph/Hz	400/3/50					
Control circuit voltage	V/Ph/Hz	230/1/50					
Total power input	kW	588					
Total running current	A	975,6					
Total max current	A	1440					
Total starting current	A	3821					
DIMENSIONS							
Length with cabinet	mm	5000					
Width	mm	1960					
Height	mm	2650					
Shipping weight	kg	11980					
Operating weight	kg	12744					
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Water Tower connection

Water cooled chiller with screw compressors for indoor installation

GHH B135 WT-34	GHH B140 WT-34	GHH B150 WT-34	GHH B160 WT-34	GHH B170 WT-34	GHH B180 WT-34	GHH B190 WT-34	GHH B1110 WT-34	GHH B1125 WT-34	GHH B1140 WT-34	GHH B1160 WT-34
R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
79,1	98,2	115,9	136,8	152,3	191,3	217,8	256,6	286,2	323,6	377,1
18,9	23,4	29	31,7	35,9	43	49,5	57,6	64,5	73,4	84,3
4,19	4,2	4	4,32	4,24	4,45	4,4	4,45	4,44	4,41	4,47
D	D	D	C	D	C	C	C	C	C	C
3,99	3,97	3,79	4,07	4,06	4,3	4,2	4,28	4	4,08	4,16
55	56	58	58	59	61	62	64	63	63	63
10	10	10	10	10	10	10	10	10	10	10
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
1	1	1	1	1	1	1	1	1	1	1
12	12	12	12	12	12	12	12	12	12	12
6	6	6	6	6	6	6	6	6	6	6
29	29	29	29	29	29	29	29	29	29	29
35	35	35	35	35	35	35	35	35	35	35
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T
BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	S&T	S&T
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
18,9	23,4	29	31,7	35,9	43	49,5	57,6	64,5	73,4	84,3
36,2	42,3	51,5	57,6	64,4	70,1	82,4	100,7	114,3	128,7	142,4
58	66	79	98	124	144	155	182	215	214	280
153	182	206	267	290	394	439	520	612	665	436
3000	3000	3500	3500	3500	3800	3800	3800	3800	3800	4000
800	800	800	800	800	1000	1000	1000	1000	1000	1200
1610	1610	1810	1810	1810	2000	2000	2000	2000	2000	2450
1700	1710	2220	2280	2420	2990	3030	3180	3000	3050	3620
1727	1742	2282	2352	2533	3103	3139	3346	3151	3199	3774

GHH for Water Tower connection

Water cooled chiller with screw compressors for indoor installation

Energymiser		GHH B1180 WT-34	GHH B1210 WT-34	GHH B1240 WT-34	GHH B235 WT-34	GHH B240 WT-34	GHH B250 WT-34
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Total cooling capacity	kW	437,3	490,2	537,5	158,2	196,4	231,8
Nominal power input	kW	96,6	111,7	122,1	37,8	46,8	58
E.E.R.	Coef.	4,53	4,39	4,4	4,19	4,2	4
Energy class		C	C	C	D	D	D
E.S.E.E.R.	Coef.	4,36	4,21	4,29	4,49	5,06	4,19
Noise Pressure Level	dB(A)	63	63	65	59	60	62
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	1	1	1	2	2	2
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	29	29	29	29	29	29
Cond. outlet water temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Evaporator type (*2)	Type	S&T	S&T	S&T	BPHE	BPHE	BPHE
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	96,6	111,7	122,1	37,8	46,8	58
Total running current	A	158,8	191,1	207,3	72,4	84,6	103
Total max current	A	310	320	360	116	132	158
Total starting current	A	465	586	650	185,1	217,9	257,5
DIMENSIONS							
Length with cabinet	mm	4000	4000	4000	3800	3800	3800
Width	mm	1200	1200	1200	800	800	800
Height	mm	2450	2450	2450	1810	1810	2000
Shipping weight	kg	3740	3830	4000	2830	2860	3340
Operating weight	kg	3898	3992	4223	2945	2972	3448
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Water Tower connection

R134a

Water cooled chiller with screw compressors for indoor installation

GHH B260 WT-34	GHH B270 WT-34	GHH B280 WT-34	GHH B290 WT-34	GHH B2110 WT-34	GHH B2125 WT-34	GHH B2140 WT-34	GHH B2160 WT-34	GHH B2180 WT-34	GHH B2210 WT-34	GHH B2240 WT-34
R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
273,6	304,6	382,6	435,6	513,2	572,4	647,2	754,2	874,6	980,4	1075
63,4	71,8	86	99	115,2	129	146,8	168,6	193,2	223,4	244,2
4,32	4,24	4,45	4,4	4,45	4,44	4,41	4,47	4,53	4,39	4,4
C	D	C	C	C	C	C	C	C	C	C
5,19	5,08	4,75	4,58	5,48	4,48	5,23	5,21	5,54	5,41	5,45
62	63	65	66	68	67	67	67	67	67	69
10	10	10	10	10	10	10	10	10	10	10
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
2	2	2	2	2	2	2	2	2	2	2
12	12	12	12	12	12	12	12	12	12	12
6	6	6	6	6	6	6	6	6	6	6
29	29	29	29	29	29	29	29	29	29	29
35	35	35	35	35	35	35	35	35	35	35
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T
BPHE	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
63,4	71,8	86	99	115,2	129	146,8	168,6	193,2	223,4	244,2
115,2	128,8	140,2	164,8	201,4	228,6	257,4	284,8	317,6	382,2	414,6
196	248	288	310	364	430	428	560	620	640	720
306,3	338,2	407,3	466,7	562,1	648,9	718,6	645,2	708,9	866,3	946,9
3800	3800	4000	4000	4000	4000	4000	5000	5000	5000	5000
1000	1000	1000	1000	1000	1000	1000	1400	1400	1400	1400
2000	2000	2250	2250	2250	2250	2250	2450	2450	2450	2450
3310	3340	4330	4380	4560	4640	4720	6260	6480	6700	6830
3459	3493	4491	4544	4784	4865	4940	6611	6850	7068	7212

GHH for Water Tower connection

R134a

Water cooled chiller with screw compressors for indoor installation

Energymiser		GHH B3180 WT-34	GHH B3210 WT-34	GHH B3240 WT-34	GHH B4180 WT-34	GHH B4210 WT-34	GHH B4240 WT-34
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Total cooling capacity	kW	1311,9	1470,6	1612,5	1749,2	1960,8	2150
Nominal power input	kW	289,8	335,1	366,3	386,4	446,8	488,4
E.E.R.	Coef.	4,53	4,39	4,4	4,53	4,39	4,4
Energy class		C	C	C	C	C	C
E.S.E.E.R.	Coef.	5,6	5,41	5,47	5,51	5,36	5,39
Noise Pressure Level	dB(A)	68	68	70	70	70	72
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	3	3	3	4	4	4
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	29	29	29	29	29	29
Cond. outlet water temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Evaporator type (*2)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	289,8	335,1	366,3	386,4	446,8	488,4
Total running current	A	476,4	573,3	621,9	635,2	764,4	829,2
Total max current	A	930	960	1080	1240	1280	1440
Total starting current	A	1425,4	1724,1	1875	2498,25	3013	3272
DIMENSIONS							
Length with cabinet	mm	5000	5000	5000	5000	5000	5000
Width	mm	1600	1600	1600	1960	1960	1960
Height	mm	2450	2450	2450	2650	2650	2650
Shipping weight	kg	8890	9180	9370	11290	11720	11990
Operating weight	kg	9467	9759	9969	12030	12457	12755
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							



GHH for Dry Cooler connection



HFO
1234ze

Water cooled chiller with screw compressors for indoor installation

Greenmiser		GHH F150 DC-ZE	GHH F160 DC-ZE	GHH F170 DC-ZE	GHH F180 DC-ZE	GHH F190 DC-ZE	GHH F1100 DC-ZE
CHILLER PERFORMANCE							
Refrigerant		HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE
Total cooling capacity	kW	79,1	95,2	107,9	123,4	138	150,2
Nominal power input	kW	25,3	28,6	32,5	37,8	42,7	46,5
E.E.R.	Coef.	3,13	3,33	3,32	3,26	3,23	3,23
Energy class		F	F	F	F	F	F
E.S.E.E.R.	Coef.	5,16	5,59	5,48	5,5	5,46	5,53
Noise Pressure Level	dB(A)	54	61	61	61	61	62
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	1	1	1	1	1	1
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	39	39	39	39	39	39
Cond. outlet water temp.	°C	45	45	45	45	45	45
Condenser coil type (*1)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Evaporator type (*2)	Type	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	25,3	28,6	32,5	37,8	42,7	46,5
Total running current	A	41	46,3	52,8	61,4	69,3	75,4
Total max current	A	80	98	125	145	160	175
Total starting current	A	20,6	26,2	29,8	37,3	42,3	40,1
DIMENSIONS							
Length with cabinet	mm	3000	3000	3500	3500	3500	3800
Width	mm	800	800	800	800	800	1000
Height	mm	1610	1610	1810	1810	1810	2000
Shipping weight	kg	1900	1930	2220	2280	2420	2650
Operating weight	kg	1927	1962	2282	2352	2532	2763
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Dry Cooler connection

Water cooled chiller with screw compressors for indoor installation

GHH F1110 DC-ZE	GHH F1125 DC-ZE	GHH F1140 DC-ZE	GHH F1160 DC-ZE	GHH F1180 DC-ZE	GHH F1210 DC-ZE	GHH F1240 DC-ZE	GHH F250 DC-ZE	GHH F260 DC-ZE	GHH F270 DC-ZE	GHH F280 DC-ZE
HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE
173,9	197,8	228,3	263,4	307,3	346,2	379,2	158,2	190,4	215,8	246,8
50	56,5	65,8	75,3	88,1	99,7	109	50,6	57,2	65	75,6
3,48	3,5	3,47	3,5	3,49	3,47	3,48	3,13	3,33	3,32	3,26
E	E	E	E	E	E	E	F	F	F	F
6,15	5,83	5,93	5,99	6,28	6	6,07	5,69	6,09	6,09	6,13
64	66	65	66	64	66	69	58	65	65	65
10	10	10	10	10	10	10	10	10	10	10
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
1	1	1	1	1	1	1	2	2	2	2
12	12	12	12	12	12	12	12	12	12	12
6	6	6	6	6	6	6	6	6	6	6
39	39	39	39	39	39	39	39	39	39	39
45	45	45	45	45	45	45	45	45	45	45
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T
BPHE	BPHE	BPHE	BPHE	S&T	S&T	S&T	BPHE	BPHE	BPHE	BPHE
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
50	56,5	65,8	75,3	88,1	99,7	109	50,6	57,2	65	75,6
81,1	91,6	106,7	122	142,9	161,6	176,8	82	92,6	105,6	122,8
180	198	221	283	315	356	427	160	196	250	290
45,7	56,2	57,9	43,6	46,5	58,6	65	133,3	152	173,3	202,85
3800	3800	3800	4000	4000	4000	4000	3800	3800	3800	3800
1000	1000	1000	1200	1200	1200	1200	800	800	800	1000
2000	2000	2000	2450	2450	2450	2450	1810	1810	2000	2000
3210	3030	3070	3850	3960	3980	4110	3230	3300	3340	3320
3376	3181	3219	4004	4118	4142	4333	3345	3412	3448	3469

GHH for Dry Cooler connection

Water cooled chiller with screw compressors for indoor installation

Greenmiser		GHH F290 DC-ZE	GHH F2100 DC-ZE	GHH F2110 DC-ZE	GHH F2125 DC-ZE	GHH F2140 DC-ZE	GHH F2160 DC-ZE
CHILLER PERFORMANCE							
Refrigerant		HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE
Total cooling capacity	kW	276	300,4	347,8	395,6	456,6	526,8
Nominal power input	kW	85,4	93	100	113	131,6	150,6
E.E.R.	Coef.	3,23	3,23	3,48	3,5	3,47	3,5
Energy class		F	F	E	E	E	E
E.S.E.E.R.	Coef.	5,98	6,06	6,8	6,46	6,53	6,65
Noise Pressure Level	dB(A)	65	66	68	70	69	70
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	2	2	2	2	2	2
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	39	39	39	39	39	39
Cond. outlet water temp.	°C	45	45	45	45	45	45
Condenser coil type (*1)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Evaporator type (*2)	Type	BPHE	S&T	S&T	S&T	S&T	S&T
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	85,4	93	100	113	131,6	150,6
Total running current	A	138,6	150,8	162,2	183,2	213,4	244
Total max current	A	320	350	360	396	442	566
Total starting current	A	229,05	246,2	266,1	302,9	349,05	387,8
DIMENSIONS							
Length with cabinet	mm	3800	4000	4000	4000	4000	5000
Width	mm	1000	1000	1000	1000	1000	1400
Height	mm	2000	2250	2250	2250	2250	2450
Shipping weight	kg	3360	3660	4630	4690	4760	6730
Operating weight	kg	3513	3821	4854	4915	4980	7081
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Dry Cooler connection



Water cooled chiller with screw compressors for indoor installation

GHH F2180 DC-ZE	GHH F2210 DC-ZE	GHH F2240 DC-ZE	GHH F3180 DC-ZE	GHH F3210 DC-ZE	GHH F3240 DC-ZE	GHH F4180 DC-ZE	GHH F4210 DC-ZE	GHH F4240 DC-ZE		
HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE		
614,6	692,4	758,4	921,9	1038,6	1137,6	1229,2	1384,8	1516,8		
176,2	199,4	218	264,3	299,1	327	352,4	398,8	436		
3,49	3,47	3,48	3,49	3,47	3,48	3,49	3,47	3,48		
E	E	E	E	E	E	E	E	E		
6,89	6,59	6,66	7,41	7,16	7,2	7,32	7,08	7,12		
68	70	73	69	71	74	71	73	76		
10	10	10	10	10	10	10	10	10		
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw		
2	2	2	3	3	3	4	4	4		
12	12	12	12	12	12	12	12	12		
6	6	6	6	6	6	6	6	6		
39	39	39	39	39	39	39	39	39		
45	45	45	45	45	45	45	45	45		
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T		
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T		
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50		
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50		
176,2	199,4	218	264,3	299,1	327	352,4	398,8	436		
285,8	323,2	353,6	428,7	484,8	530,4	571,6	646,4	707,2		
630	712	854	945	1068	1281	1260	1424	1708		
451,9	514,1	562,9	1158,7	1312,3	1436	2155,1	2438,6	2668,2		
5000	5000	5000	5000	5000	5000	5000	5000	5000		
1400	1400	1400	1600	1600	1600	1960	1960	1960		
2450	2450	2450	2450	2450	2450	2650	2650	2650		
6920	7000	7060	9550	9630	9720	12170	12330	12440		
7289	7368	7442	10126	10208	10318	12909	13066	13204		

GHH for Water Tower connection



HFO
1234ze

Water cooled chiller with screw compressors for indoor installation

Greenmiser		GHH F150 WT-ZE	GHH F160 WT-ZE	GHH F170 WT-ZE	GHH F180 WT-ZE	GHH F190 WT-ZE	GHH F1100 WT-ZE
CHILLER PERFORMANCE							
Refrigerant		HFO1234ZE	HFO1234ZE	HFO1234ZE	HFO1234ZE	HFO1234ZE	HFO1234ZE
Total cooling capacity	kW	93,7	110,9	124,7	143,3	158,2	172,1
Nominal power input	kW	21,7	23,8	27,2	31,2	35	38,1
E.E.R.	Coef.	4,32	4,66	4,58	4,59	4,52	4,52
Energy class		C	B	C	C	C	C
E.S.E.E.R.	Coef.	5,16	5,59	5,48	5,5	5,46	5,53
Noise Pressure Level	dB(A)	54	61	61	61	61	62
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	1	1	1	1	1	1
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	29	29	29	29	29	29
Cond. outlet water temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Evaporator type (*2)	Type	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	21,7	23,8	27,2	31,2	35	38,1
Total running current	A	35,2	38,5	44,1	50,6	56,8	61,9
Total max current	A	80	98	125	145	160	175
Total starting current	A	20,6	26,2	29,8	37,3	42,3	40,1
DIMENSIONS							
Length with cabinet	mm	3000	3000	3500	3500	3500	3800
Width	mm	800	800	800	800	800	1000
Height	mm	1610	1610	1810	1810	1810	2000
Shipping weight	kg	1900	1930	2220	2280	2430	2650
Operating weight	kg	1927	1962	2282	2352	2543	2763
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Water Tower connection

Water cooled chiller with screw compressors for indoor installation

GHH F1110 WT-ZE	GHH F1125 WT-ZE	GHH F1140 WT-ZE	GHH F1160 WT-ZE	GHH F1180 WT-ZE	GHH F1210 WT-ZE	GHH F1240 WT-ZE	GHH F250 WT-ZE	GHH F260 WT-ZE	GHH F270 WT-ZE	GHH F280 WT-ZE
HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE
199,3	228,1	260,4	304,2	350,9	394,8	431,1	187,4	221,8	249,4	286,6
41,4	47,5	54,6	62,9	71,7	83,2	90,6	43,4	47,6	54,4	62,4
4,81	4,8	4,77	4,84	4,89	4,75	4,76	4,32	4,66	4,58	4,59
B	B	B	B	B	B	B	C	B	C	C
6,15	5,83	5,93	5,99	6,28	6	6,07	5,69	6,09	6,09	6,13
64	66	65	66	64	66	69	58	65	65	65
10	10	10	10	10	10	10	10	10	10	10
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
1	1	1	1	1	1	1	2	2	2	2
12	12	12	12	12	12	12	12	12	12	12
6	6	6	6	6	6	6	6	6	6	6
29	29	29	29	29	29	29	29	29	29	29
35	35	35	35	35	35	35	35	35	35	35
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T
BPHE	BPHE	BPHE	S&T	S&T	S&T	S&T	BPHE	BPHE	BPHE	BPHE
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
41,4	47,5	54,6	62,9	71,7	83,2	90,6	43,4	47,6	54,4	62,4
67,1	77,1	88,6	102	116,3	134,9	146,9	70,4	77	88,2	101,2
180	198	221	283	315	356	427	160	196	250	290
45,7	56,2	57,9	43,6	46,5	58,6	65	115,9	128,6	147,2	170,45
3800	3800	3800	4000	4000	4000	4000	3800	3800	3800	3800
1000	1000	1000	1200	1200	1200	1200	800	800	800	1000
2000	2000	2000	2450	2450	2450	2450	1810	1810	2000	2000
3210	3030	3070	3850	3960	3980	4120	3240	3300	3340	3320
3376	3181	3219	4004	4118	4142	4343	3355	3412	3448	3469

GHH for Water Tower connection

Water cooled chiller with screw compressors for indoor installation

Greenmiser		GHH F290 WT-ZE	GHH F2100 WT-ZE	GHH F2110 WT-ZE	GHH F2125 WT-ZE	GHH F2140 WT-ZE	GHH F2160 WT-ZE
CHILLER PERFORMANCE							
Refrigerant		HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE
Total cooling capacity	kW	316,4	344,2	398,6	456,2	520,8	608,4
Nominal power input	kW	70	76,2	82,8	95	109,2	125,8
E.E.R.	Coef.	4,52	4,52	4,81	4,8	4,77	4,84
Energy class		C	C	B	B	B	B
E.S.E.E.R.	Coef.	5,98	6,06	6,8	6,46	6,53	6,65
Noise Pressure Level	dB(A)	65	66	68	70	69	70
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	2	2	2	2	2	2
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	29	29	29	29	29	29
Cond. outlet water temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Evaporator type (*2)	Type	S&T	S&T	S&T	S&T	S&T	S&T
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	70	76,2	82,8	95	109,2	125,8
Total running current	A	113,6	123,8	134,2	154,2	177,2	204
Total max current	A	320	350	360	396	442	566
Total starting current	A	191,55	205,75	224,15	259,4	294,75	327,8
DIMENSIONS							
Length with cabinet	mm	3800	4000	4000	4000	4000	5000
Width	mm	1000	1000	1000	1000	1000	1400
Height	mm	2000	2250	2250	2250	2250	2450
Shipping weight	kg	3360	3660	4630	4690	4760	6730
Operating weight	kg	3513	3821	4854	4915	4980	7081
(*1) S&T: Shell and Tube (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Water Tower connection



Water cooled chiller with screw compressors for indoor installation

GHH F2180 WT-ZE	GHH F2210 WT-ZE	GHH F2240 WT-ZE	GHH F3180 WT-ZE	GHH F3210 WT-ZE	GHH F3240 WT-ZE	GHH F4180 WT-ZE	GHH F4210 WT-ZE	GHH F4240 WT-ZE		
HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE		
701,8	789,6	862,2	1052,7	1184,4	1293,3	1403,6	1579,2	1724,4		
143,4	166,4	181,2	215,1	249,6	271,8	286,8	332,8	362,4		
4,89	4,75	4,76	4,89	4,75	4,76	4,89	4,75	4,76		
B	B	B	B	B	B	B	B	B		
6,89	6,59	6,66	7,41	7,16	7,2	7,32	7,08	7,12		
68	70	73	69	71	74	71	73	76		
10	10	10	10	10	10	10	10	10		
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw		
2	2	2	3	3	3	4	4	4		
12	12	12	12	12	12	12	12	12		
6	6	6	6	6	6	6	6	6		
29	29	29	29	29	29	29	29	29		
35	35	35	35	35	35	35	35	35		
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T		
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T		
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50		
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50		
143,4	166,4	181,2	215,1	249,6	271,8	286,8	332,8	362,4		
232,6	269,8	293,8	348,9	404,7	440,7	465,2	539,6	587,6		
630	712	854	945	1068	1281	1260	1424	1708		
372,15	434	473,2	945,9	1098,7	1196,8	1756,1	2038,15	2219,75		
5000	5000	5000	5000	5000	5000	5000	5000	5000		
1400	1400	1400	1600	1600	1600	1960	1960	1960		
2450	2450	2450	2450	2450	2450	2650	2650	2650		
6920	7000	7060	9550	9630	9720	12170	12330	12450		
7290	7368	7442	10127	10209	10319	12910	13067	13215		

GHH for Dry Cooler connection

R290

Water cooled chiller with screw compressors for indoor installation

Greenmiser		GHH F170 DC-290	GHH F180 DC-290	GHH F190 DC-290	GHH F1100 DC-290	GHH F1120 DC-290	GHH F1140 DC-290
CHILLER PERFORMANCE							
Refrigerant		R290	R290	R290	R290	R290	R290
Total cooling capacity	kW	137,3	165	184,4	212,8	249,2	325
Nominal power input	kW	47,3	53,6	61,1	69,1	78,4	101,5
E.E.R.	Coef.	2,9	3,08	3,02	3,08	3,18	3,2
Energy class		G	F	G	F	F	F
E.S.E.E.R.	Coef.	4,68	4,92	4,83	4,94	5,22	5,23
Noise Pressure Level	dB(A)	56	58	59	60	62	64
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	1	1	1	1	1	1
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	39	39	39	39	39	39
Cond. outlet water temp.	°C	45	45	45	45	45	45
Condenser coil type (*1)	Type	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
Evaporator type (*2)	Type	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	47,3	53,6	61,1	69,1	78,4	101,5
Total running current	A	76,6	86,9	99,1	112,1	127,2	164,6
Total max current	A	128,0	145,0	160,0	175,0	195,0	245,0
Total starting current	A	29,8	37,3	42,3	40,1	49,2	57,9
DIMENSIONS							
Length with cabinet	mm	2010	2010	2010	2010	2310	2310
Width	mm	800	800	800	800	1000	1000
Height	mm	1910	1910	1910	1910	2150	2150
Shipping weight	kg	1320	1420	1480	1560	1640	2140
Operating weight	kg	1358	1465	1530	1620	1706	2221
(*1) e (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Dry Cooler connection

Water cooled chiller with screw compressors for indoor installation

GHH F1160 DC-290	GHH F270 DC-290	GHH F280 DC-290	GHH F290 DC-290	GHH F2100 DC-290	GHH F2120 DC-290	GHH F2140 DC-290	GHH F2160 DC-290			
HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE			
199,3	228,1	260,4	304,2	350,9	394,8	431,1	187,4			
41,4	47,5	54,6	62,9	71,7	83,2	90,6	43,4			
4,81	4,8	4,77	4,84	4,89	4,75	4,76	4,32			
B	B	B	B	B	B	B	C			
6,15	5,83	5,93	5,99	6,28	6	6,07	5,69			
64	66	65	66	64	66	69	58			
10	10	10	10	10	10	10	10			
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw			
1	1	1	1	1	1	1	2			
12	12	12	12	12	12	12	12			
6	6	6	6	6	6	6	6			
29	29	29	29	29	29	29	29			
35	35	35	35	35	35	35	35			
S&T	S&T	S&T	S&T	S&T	S&T	S&T	S&T			
BPHE	BPHE	BPHE	S&T	S&T	S&T	S&T	BPHE			
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50			
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50			
41,4	47,5	54,6	62,9	71,7	83,2	90,6	43,4			
67,1	77,1	88,6	102	116,3	134,9	146,9	70,4			
180	198	221	283	315	356	427	160			
45,7	56,2	57,9	43,6	46,5	58,6	65	115,9			
3800	3800	3800	4000	4000	4000	4000	3800			
1000	1000	1000	1200	1200	1200	1200	800			
2000	2000	2000	2450	2450	2450	2450	1810			
3210	3030	3070	3850	3960	3980	4120	3240			
3376	3181	3219	4004	4118	4142	4343	3355			

GHH for Water Tower connection

R290

Water cooled chiller with screw compressors for indoor installation

Greenmiser		GHH F170 WT-290	GHH F180 WT-290	GHH F190 WT-290	GHH F1100 WT-290	GHH F1120 WT-290	GHH F1140 WT-290
CHILLER PERFORMANCE							
Refrigerant		R290	R290	R290	R290	R290	R290
Total cooling capacity	kW	161,8	191	212,7	245,9	287,4	372
Nominal power input	kW	40,7	45,5	52,7	59,4	66,2	85,8
E.E.R.	Coef.	3,98	4,2	4,04	4,14	4,34	4,34
Energy class		D	D	D	D	C	C
E.S.E.E.R.	Coef.	4,68	4,92	4,83	4,94	5,22	5,23
Noise Pressure Level	dB(A)	56	58	59	60	62	64
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	1	1	1	1	1	1
Evap. inlet water temp.	°C	12	12	12	12	12	12
Evap. outlet water temp.	°C	6	6	6	6	6	6
Cond. inlet water temp.	°C	29	29	29	29	29	29
Cond. outlet water temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
Evaporator type (*2)	Type	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
Power circuit voltage	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Control circuit voltage	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Total power input	kW	40,7	45,5	52,7	59,4	66,2	85,8
Total running current	A	66,1	73,7	85,4	96,4	107,3	139,1
Total max current	A	128,0	145,0	160,0	175,0	195,0	245,0
Total starting current	A	29,8	37,3	42,3	40,1	49,2	57,9
DIMENSIONS							
Length with cabinet	mm	2010	2010	2010	2010	2310	2310
Width	mm	800	800	800	800	1000	1000
Height	mm	1910	1910	1910	1910	2150	2150
Shipping weight	kg	1320	1420	1480	1560	1640	2140
Operating weight	kg	1358	1465	1530	1620	1706	2221
(*1) e (*2) BPHE: Brazed Plate Heat Exchanger							

GHH for Water Tower connection

Water cooled chiller with screw compressors for indoor installation

GHH F1160 WT-290	GHH F270 WT-290	GHH F280 WT-290	GHH F290 WT-290	GHH F2100 WT-290	GHH F2120 WT-290	GHH F2140 WT-290	GHH F2160 WT-290			
R290	R290	R290	R290	R290	R290	R290	R290			
414	323,6	382	425,4	491,8	574,8	744	828			
94,4	81,4	91	105,4	118,8	132,4	171,6	188,8			
4,39	3,98	4,2	4,04	4,14	4,34	4,34	4,39			
C	D	D	D	D	C	C	C			
5,27	5,22	5,46	5,35	5,43	5,75	5,71	5,76			
65	60	62	63	64	66	68	69			
10	10	10	10	10	10	10	10			
Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw			
1	2	2	2	2	2	2	2			
12	12	12	12	12	12	12	12			
6	6	6	6	6	6	6	6			
29	29	29	29	29	29	29	29			
35	35	35	35	35	35	35	35			
BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE			
BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE			
400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50			
230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50			
94,4	81,4	91,0	105,4	118,8	132,4	171,6	188,8			
153,2	132,2	147,4	170,8	192,8	214,6	278,2	306,4			
282,0	256,0	290,0	320,0	350,0	390,0	490,0	564,0			
72,9	213,2	239,8	277,4	309,3	346,5	446,3	496,1			
2310	3510	3510	3510	3510	3810	3810	3810			
1000	1000	1000	1000	1000	1000	1000	1000			
2150	1810	1810	1810	1810	2150	2150	2150			
2200	2560	2750	2870	3030	3140	4140	4260			
2292	2637	2841	2970	3150	3273	4303	4445			



Brand

