

TECHNICAL DATA SHEET



GSA

**AIR COOLED
CONDENSING UNIT
WITH SCREW COMPRESSORS
AND AXIAL FANS FOR
OUTDOOR INSTALLATION**



GSA Range 68 - 1.800 kW

GSA

Air cooled condensing unit with screw compressors and axial fans for outdoor installation



Screw compressors
AC or EC axial fans both 800 mm

R134a

HFO
1234ze

General Description

The units of the GSA 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.

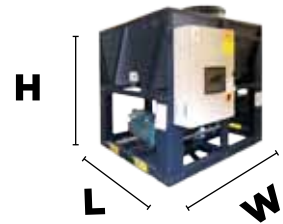
Typical units dimensions

Length: from 2.410 to 12.910 mm

Width: from 1.050 to 2.250 mm

Height: from 2.540 to 2.790 mm

Operating Weight: from 1.060 kg to 12.370 kg



2.410



12.910



Length from 2.410 mm to 12.910 mm. The bigger sizes are delivered in two sections.

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

Energymiser		GSA B135A EC-34	GSA B140A EC-34	GSA B150A EC-34	GSA B160A EC-34	GSA B170A EC-34	GSA B180A EC-34
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Total cooling capacity	kW	67,5	83,7	99,4	114,9	125,8	156,9
Nominal power input	kW	24,55	31,8	36,8	42,3	48,6	58,6
E.E.R.	Coef.	2,75	2,63	2,7	2,72	2,59	2,68
Energy class		C	D	C	C	D	D
E.S.E.E.R.	Coef.	4,78	4,35	4,45	4,74	4,67	5
Noise Pressure Level	dB(A)	56	58	59	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	1	1	1
Evaporation temp.	°C	1.5	1.5	1.5	1.5	1.5	1.5
Ambient temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	M	M	M	M	M	M
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	24,55	31,8	36,8	42,3	48,6	58,6
Total running current	A	44,3	54,8	63,2	72,8	82,9	92,7
Total max current	A	60,8	71,6	84,6	103,6	129,6	149,6
Total starting current	A	25,75	32,9	36,5	45,65	49,1	64,7
DIMENSIONS							
Length with cabinet	mm	2560	2560	2560	2560	2560	2410
Width	mm	1050	1050	1050	1050	1050	2250
Height	mm	2540	2540	2540	2540	2540	2540
Shipping weight	kg	1060	1100	1320	1330	1340	2040
Operating weight	kg	1060	1100	1320	1330	1340	2040
(*1) M: Microchannels							

GSA with EC fans

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

GSA B190A EC-34	GSA B1110A EC-34	GSA B1125A EC-34	GSA B1140A EC-34	GSA B1160A EC-34	GSA B1180A EC-34	GSA B1210A EC-34	GSA B1240A EC-34	GSA B235A EC-34	GSA B240A EC-34	GSA B250A EC-34
R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
184,7	215,9	241,2	274,3	314,3	366,9	408,9	450,4	133,8	167,4	198,8
65,65	79,4	85,8	98,9	113,45	135,5	151,9	167,75	49,7	63,6	73,6
2,81	2,72	2,81	2,77	2,77	2,71	2,69	2,68	2,69	2,63	2,7
C	C	C	C	C	C	D	D	D	D	C
4,84	4,79	4,82	4,86	4,88	4,9	4,82	4,79	4,35	4	4,12
63	65	64	64	64	64	64	66	59	61	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
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
35	35	35	35	35	35	35	35	35	35	35
M	M	M	M	M	M	M	M	M	M	M
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
65,65	79,4	85,8	98,9	113,45	135,5	151,9	167,75	49,7	63,6	73,6
106,9	133,4	146	166,7	186,6	218,4	251,5	276,2	89,2	109,6	126,4
163,4	193,2	226,2	225,2	294	326,8	336,8	379,6	121,6	143,2	169,2
74,25	89,2	103	110,95	79,4	86,55	104,7	117,1	142,4	172,45	199,45
2410	2410	2410	3460	3460	3460	4510	4510	2410	2410	2410
2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
2540	2540	2540	2540	2540	2540	2540	2540	2540	2540	2540
2090	2140	2160	2520	3040	3100	3520	3600	1810	1900	2340
2090	2140	2160	2520	3040	3100	3520	3600	1810	1900	2340

GSA with EC fans

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

Energymiser		GSA B260A EC-34	GSA B270A EC-34	GSA B280A EC-34	GSA B290A EC-34	GSA B2110A EC-34	GSA B2125A EC-34
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Total cooling capacity	kW	229,8	253,8	335,4	372,6	439	486,4
Nominal power input	kW	84,6	96,4	112,1	130,1	156	170,2
E.E.R.	Coef.	2,72	2,63	2,99	2,86	2,81	2,86
Energy class		C	D	B	C	C	C
E.S.E.E.R.	Coef.	4,37	4,32	4,57	4,51	4,47	4,42
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
Evaporation temp.	°C	1.5	1.5	1.5	1.5	1.5	1.5
Ambient temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	M	M	M	M	M	M
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	84,6	96,4	112,1	130,1	156	170,2
Total running current	A	145,6	164,4	178,8	212,2	262,6	290
Total max current	A	207,2	259,2	304,8	326,8	386,4	452,4
Total starting current	A	232,8	262,75	289,35	342,8	421,7	469,7
DIMENSIONS							
Length with cabinet	mm	2410	2410	4510	4510	4510	4510
Width	mm	2250	2250	2250	2250	2250	2250
Height	mm	2540	2540	2540	2540	2540	2540
Shipping weight	kg	2360	2370	3890	3890	4000	4020
Operating weight	kg	2360	2370	3890	3890	4000	4020
(*1) M: Microchannels							

GSA with EC fans

R134a

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

GSA B2140A EC-34	GSA B2160A EC-34	GSA B2180A EC-34	GSA B2210A EC-34	GSA B2240A EC-34	GSA B2280A EC-34	GSA B2320A EC-34	GSA B3160A EC-34	GSA B3180A EC-34	GSA B3210A EC-34	GSA B3240A EC-34
R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
544,2	606,2	751,4	804,6	942,4	1063,8	1121,4	976,2	1127,1	1236,6	1330,2
199,8	231,6	263,4	309	322	376,6	409,4	333,9	395,1	451,8	506,7
2,72	2,62	2,85	2,6	2,93	2,82	2,74	2,92	2,85	2,74	2,63
C	D	C	D	B	C	C	B	C	C	D
4,41	4,47	4,56	4,32	4,46	4,46	4,44	4,65	4,62	4,46	4,4
67	67	67	67	69	76	79	69	69	69	71
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	3	3	3	3
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
35	35	35	35	35	35	35	35	35	35	35
M	M	M	M	M	M	M	M	M	M	M
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
199,8	231,6	263,4	309	322	376,6	409,4	333,9	395,1	451,8	506,7
336	379,8	425	510,8	532,6	621,2	681	550,8	637,5	748,8	833,4
450,4	582,4	653,6	673,6	764,8	944,8	1176,8	890,4	980,4	1010,4	1130,4
542,6	591,2	655,5	793,35	825,25	969,7	1067,8	1406,6	1639,25	1942,1	2170,9
4510	4510	6610	6610	8710	8710	8710	9760	9760	9760	9760
2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
2540	2540	2540	2540	2540	2540	2790	2540	2540	2540	2540
4040	4990	5890	6030	6970	7180	7270	8650	8680	8890	8990
4040	4990	5890	6030	6970	7180	7270	8650	8680	8890	8990

GSA with EC fans

R134a

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

Energymiser		GSA B3280A EC-34	GSA B4160A EC-34	GSA B4180A EC-34	GSA B4210A EC-34	GSA B4240A EC-34	
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	
Total cooling capacity	kW	1595,7	1301,6	1502,8	1648,8	1773,6	
Nominal power input	kW	564,9	445,2	526,8	602,4	675,6	
E.E.R.	Coef.	2,82	2,92	2,85	2,74	2,63	
Energy class		C	B	C	C	D	
E.S.E.E.R.	Coef.	4,55	4,32	4,43	4,26	4,22	
Noise Pressure Level	dB(A)	77	70	70	70	72	
Distance	m	10	10	10	10	10	
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	
Compressors number	n°	3	4	4	4	4	
Evaporation temp.	°C	1.5	1.5	1.5	1.5	1.5	
Ambient temp.	°C	35	35	35	35	35	
Condenser coil type (*1)	Type	M	M	M	M	M	
Power circuit voltage	V/Ph/Hz	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	
Total power input	kW	564,9	445,2	526,8	602,4	675,6	
Total running current	A	931,8	734,4	850	998,4	1111,2	
Total max current	A	1417,2	1187,2	1307,2	1347,2	1507,2	
Total starting current	A	2413,05	2585,55	3020,1	3581,1	4006,5	
DIMENSIONS							
Length with cabinet	mm	12910	12910	12910	12910	12910	
Width	mm	2250	2250	2250	2250	2250	
Height	mm	2790	2540	2540	2540	2540	
Shipping weight	kg	10620	11430	11470	11750	11890	
Operating weight	kg	10620	11430	11470	11750	11890	
(*1) M: Microchannels							

GSA with AC fans

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

GSA B135A AC-34	GSA B140A AC-34	GSA B150A AC-34	GSA B160A AC-34	GSA B170A AC-34	GSA B180A AC-34	GSA B190A AC-34	GSA B1110A AC-34	GSA B1125A AC-34	GSA B1140A AC-34	GSA B1160A AC-34
R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
67,5	83,7	99,4	114,9	125,8	156,9	184,7	215,9	241,2	274,3	314,3
24,55	31,8	36,8	42,3	48,6	58,6	65,65	79,4	85,8	98,9	113,45
2,75	2,63	2,7	2,72	2,59	2,68	2,81	2,72	2,81	2,77	2,77
C	D	C	C	D	D	C	C	C	C	C
2,59	2,4	2,45	2,58	2,5	2,65	2,66	2,6	2,6	2,65	2,65
56	58	59	59	60	62	63	65	64	64	64
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
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
35	35	35	35	35	35	35	35	35	35	35
M	M	M	M	M	M	M	M	M	M	M
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
24,55	31,8	36,8	42,3	48,6	58,6	65,65	79,4	85,8	98,9	113,45
45,2	56,6	65	74,6	84,7	94,5	109,6	137	149,6	170,3	191,1
61,7	73,4	86,4	105,4	131,4	151,4	166,1	196,8	229,8	228,8	298,5
156,7	189,4	213,4	274,4	297,4	401,4	450,1	534,8	626,8	679,8	454,5
2560	2560	2560	2560	2560	2410	2410	2410	2410	3460	3460
1050	1050	1050	1050	1050	2250	2250	2250	2250	2250	2250
2540	2540	2540	2540	2540	2540	2540	2540	2540	2540	2540
1060	1100	1320	1330	1340	2040	2090	2140	2160	2520	3040
1060	1100	1320	1330	1340	2040	2090	2140	2160	2520	3040

GSA with AC fans

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

Energymiser		GSA B1180A AC-34	GSA B1210A AC-34	GSA B1240A AC-34	GSA B235A AC-34	GSA B240A AC-34	GSA B250A AC-34
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Total cooling capacity	kW	366,9	408,9	450,4	133,8	167,4	198,8
Nominal power input	kW	135,5	151,9	167,75	49,7	63,6	73,6
E.E.R.	Coef.	2,71	2,69	2,68	2,69	2,63	2,7
Energy class		C	D	D	D	D	C
E.S.E.E.R.	Coef.	2,68	2,62	2,63	3,24	3,07	3,12
Noise Pressure Level	dB(A)	64	64	66	59	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	2	2	2
Evaporation temp.	°C	1.5	1.5	1.5	1.5	1.5	1.5
Ambient temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	M	M	M	M	M	M
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	135,5	151,9	167,75	49,7	63,6	73,6
Total running current	A	223,8	256,9	282,5	91	113,2	130
Total max current	A	332,2	342,2	385,9	123,4	146,8	172,8
Total starting current	A	487,2	608,2	675,9	209,3	253,4	290,6
DIMENSIONS							
Length with cabinet	mm	3460	4510	4510	2410	2410	2410
Width	mm	2250	2250	2250	2250	2250	2250
Height	mm	2540	2540	2540	2540	2540	2540
Shipping weight	kg	3100	3520	3600	1810	1900	2340
Operating weight	kg	3100	3520	3600	1810	1900	2340
(*1) M: Microchannels							

GSA with AC fans

R134a

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

GSA B260A AC-34	GSA B270A AC-34	GSA B280A AC-34	GSA B290A AC-34	GSA B2110A AC-34	GSA B2125A AC-34	GSA B2140A AC-34	GSA B2160A AC-34	GSA B2180A AC-34	GSA B2210A AC-34	GSA B2240A AC-34
R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
229,8	253,8	335,4	372,6	439	486,4	544,2	606,2	751,4	804,6	942,4
84,6	96,4	112,1	130,1	156	170,2	199,8	231,6	263,4	309	322
2,72	2,63	2,99	2,86	2,81	2,86	2,72	2,62	2,85	2,6	2,93
C	D	B	C	C	C	C	D	C	D	B
3,27	3,18	3,51	3,4	3,45	3,36	3,3	3,2	3,42	3,22	2,87
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
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
35	35	35	35	35	35	35	35	35	35	35
M	M	M	M	M	M	M	M	M	M	M
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
84,6	96,4	112,1	130,1	156	170,2	199,8	231,6	263,4	309	322
149,2	168	184,2	217,6	269,8	297,2	343,2	387	435,8	521,6	547
210,8	262,8	310,2	332,2	393,6	459,6	457,6	589,6	664,4	684,4	779,2
349,9	389,6	462,2	534,8	649,9	737	832,5	783,7	864	1053,2	1115,9
2410	2410	4510	4510	4510	4510	4510	4510	6610	6610	8710
2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
2540	2540	2540	2540	2540	2540	2540	2540	2540	2540	2540
2360	2370	3890	3890	4000	4020	4040	4990	5890	6030	6970
2360	2370	3890	3890	4000	4020	4040	4990	5890	6030	6970

GSA with AC fans

R134a

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

Energymiser		GSA B2280A AC-34	GSA B2320A AC-34	GSA B3160A AC-34	GSA B3180A AC-34	GSA B3210A AC-34	GSA B3240A AC-34
CHILLER PERFORMANCE							
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Total cooling capacity	kW	1063,8	1121,4	976,2	1127,1	1236,6	1330,2
Nominal power input	kW	376,6	409,4	333,9	395,1	451,8	506,7
E.E.R.	Coef.	2,82	2,74	2,92	2,85	2,74	2,63
Energy class		C	C	B	C	C	D
E.S.E.E.R.	Coef.	3,44	3,42	3,44	3,56	3,33	3,25
Noise Pressure Level	dB(A)	76	79	69	69	69	71
Distance	m	10	10	10	10	10	10
WORKING CONDITIONS							
Compressors type	Type	Screw	Screw	Screw	Screw	Screw	Screw
Compressors number	n°	2	2	3	3	3	3
Evaporation temp.	°C	1.5	1.5	1.5	1.5	1.5	1.5
Ambient temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	M	M	M	M	M	M
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	376,6	409,4	333,9	395,1	451,8	506,7
Total running current	A	635,6	695,4	567	653,7	765	849,6
Total max current	A	959,2	1191,2	906,6	996,6	1026,6	1146,6
Total starting current	A	1326,3	1472	1546,3	1787,2	2124,3	2371,2
DIMENSIONS							
Length with cabinet	mm	8710	8710	9760	9760	9760	9760
Width	mm	2250	2250	2250	2250	2250	2250
Height	mm	2540	2790	2540	2540	2540	2540
Shipping weight	kg	7180	7270	8650	8680	8890	8990
Operating weight	kg	7180	7270	8650	8680	8890	8990
(*1) M: Microchannels							

GSA with AC fans

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

GSA B3280A AC-34	GSA B4160A AC-34	GSA B4180A AC-34	GSA B4210A AC-34	GSA B4240A AC-34						
R134a	R134a	R134a	R134a	R134a						
1595,7	1301,6	1502,8	1648,8	1773,6						
564,9	445,2	526,8	602,4	675,6						
2,82	2,92	2,85	2,74	2,63						
C	B	C	C	D						
3,38	3,8	3,91	3,54	3,21						
77	70	70	70	72						
10	10	10	10	10						
Screw	Screw	Screw	Screw	Screw						
3	4	4	4	4						
1.5	1.5	1.5	1.5	1.5						
35	35	35	35	35						
M	M	M	M	M						
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						
564,9	445,2	526,8	602,4	675,6						
953,4	756	871,6	1020	1132,8						
1438,8	1208,8	1328,8	1368,8	1528,8						
2662,7	2699,8	3140,55	3727,3	4166,3						
12910	12910	12910	12910	12910						
2250	2250	2250	2250	2250						
2790	2540	2540	2540	2540						
10620	11430	11470	11750	11890						
10620	11430	11470	11750	11890						

GSA with EC fans



HFO
1234ze

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

Greenmiser		GSA F150A EC-ZE	GSA F160A EC-ZE	GSA F170A EC-ZE	GSA F180A EC-ZE	GSA F190A EC-ZE	GSA F110A EC-ZE
CHILLER PERFORMANCE							
Refrigerant		HFO1234ZE	HFO1234ZE	HFO1234ZE	HFO1234ZE	HFO1234ZE	HFO1234ZE
Total cooling capacity	kW	85,1	98,5	110	129,6	144,3	175,2
Nominal power input	kW	27,2	31	35,3	40,95	45,45	54,75
E.E.R.	Coef.	3,13	3,18	3,12	3,16	3,17	3,2
Energy class		A	A	A	A	A	A
E.S.E.E.R.	Coef.	4,82	5,19	5,16	5,03	5,03	5,43
Noise Pressure Level	dB(A)	56	62	62	62	62	65
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
Evaporation temp.	°C	1.5	1.5	1.5	1.5	1.5	1.5
Ambient temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	M	M	M	M	M	M
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	27,2	31	35,3	40,95	45,45	54,75
Total running current	A	44,1	50,2	57,2	66,3	73,6	88,7
Total max current	A	85,6	103,6	130,6	153,4	168,4	188,4
Total starting current	A	36,5	44,9	50,3	64,35	71,85	76,95
DIMENSIONS							
Length with cabinet	mm	2560	2560	2560	2410	2410	2410
Width	mm	1050	1050	1050	2250	2250	2250
Height	mm	2540	2540	2540	2540	2540	2540
Shipping weight	kg	1310	1330	1330	1730	1740	2140
Operating weight	kg	1310	1330	1330	1730	1740	2140
(*1) M: Microchannels							

GSA with EC fans

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

GSA F1125A EC-ZE	GSA F1140A EC-ZE	GSA F1160A EC-ZE	GSA F1180A EC-ZE	GSA F1210A EC-ZE	GSA F1240A EC-ZE	GSA F250A EC-ZE	GSA F260A EC-ZE	GSA F270A EC-ZE	GSA F280A EC-ZE	GSA F290A EC-ZE
HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE
202,5	228,3	267,7	307,3	346,2	379,2	170,2	197	220	259,2	288,6
62	72,8	82,65	96,85	110,2	119,5	54,4	62	70,6	81,9	90,9
3,27	3,14	3,24	3,17	3,14	3,17	3,13	3,18	3,12	3,16	3,17
A	A	A	A	A	A	A	A	A	A	A
5,23	5,28	5,34	5,49	5,28	5,37	4,68	4,97	4,92	4,83	4,82
67	66	67	65	67	70	59	65	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	2	2	2	2	2
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
35	35	35	35	35	35	35	35	35	35	35
M	M	M	M	M	M	M	M	M	M	M
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
62	72,8	82,65	96,85	110,2	119,5	54,4	62	70,6	81,9	90,9
100,4	117,9	133,8	156,9	178,4	193,6	88,2	100,4	114,4	132,6	147,2
209,2	232,2	297	329	372,8	443,8	171,2	207,2	261,2	306,8	336,8
95,5	98,05	79,4	83,75	104,7	114,3	142,15	164,65	188,35	218,4	244,1
2410	2410	3460	3460	3460	4510	2410	2410	2410	4510	4510
2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
2540	2540	2540	2540	2540	2540	2540	2540	2540	2540	2540
2190	2200	3280	3280	3320	3670	2320	2350	2350	3150	3190
2190	2200	3280	3280	3320	3670	2320	2350	2350	3150	3190

GSA with EC fans

Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

Greenmiser		GSA F2110A EC-ZE	GSA F2125A EC-ZE	GSA F2140A EC-ZE	GSA F2160A EC-ZE	GSA F2180A EC-ZE	GSA F2210A EC-ZE
CHILLER PERFORMANCE							
Refrigerant		HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE
Total cooling capacity	kW	350,4	405	456,6	535,4	614,6	692,4
Nominal power input	kW	109,5	124	145,6	165,3	193,7	220,4
E.E.R.	Coef.	3,2	3,27	3,14	3,24	3,17	3,14
Energy class		A	A	A	A	A	A
E.S.E.E.R.	Coef.	5,14	5	4,99	5,1	5,2	5,04
Noise Pressure Level	dB(A)	68	70	69	70	68	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
Evaporation temp.	°C	1.5	1.5	1.5	1.5	1.5	1.5
Ambient temp.	°C	35	35	35	35	35	35
Condenser coil type (*1)	Type	M	M	M	M	M	M
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	109,5	124	145,6	165,3	193,7	220,4
Total running current	A	177,4	200,8	235,8	267,6	313,8	356,8
Total max current	A	376,8	418,4	464,4	594	658	745,6
Total starting current	A	291,9	332,15	385,9	420,1	491,5	562,35
DIMENSIONS							
Length with cabinet	mm	4510	4510	4510	6610	6610	6610
Width	mm	2250	2250	2250	2250	2250	2250
Height	mm	2540	2540	2540	2540	2540	2540
Shipping weight	kg	3980	4080	4090	6260	6260	6340
Operating weight	kg	3980	4080	4090	6260	6260	6340
(*1) M: Microchannels							

GSA with EC fans



Air cooled condensing unit with screw compressors and axial fans for outdoor installation

Motocondensanti con condensazione ad aria con compressori a vite e ventilatori assiali per installazione esterna

GSA F2240A EC-ZE	GSA F3180A EC-ZE	GSA F3210A EC-ZE	GSA F3240A EC-ZE	GSA F4180A EC-ZE	GSA F4210A EC-ZE	GSA F4240A EC-ZE				
HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE	HF01234ZE				
758,4	921,9	1038,6	1137,6	1256,4	1384,8	1516,8				
239	290,55	330,6	358,5	383,6	440,8	478				
3,17	3,17	3,14	3,17	3,28	3,14	3,17				
A	A	A	A	A	A	A				
5,11	5,16	4,98	5,05	5,05	4,87	4,95				
73	70	72	74	71	73	76				
10	10	10	10	10	10	10				
Screw	Screw	Screw	Screw	Screw	Screw	Screw				
2	3	3	3	4	4	4				
1.5	1.5	1.5	1.5	1.5	1.5	1.5				
35	35	35	35	35	35	35				
M	M	M	M	M	M	M				
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				
239	290,55	330,6	358,5	383,6	440,8	478				
387,2	470,7	535,2	580,8	621,2	713,6	774,4				
887,6	987	1118,4	1331,4	1327,2	1491,2	1775,2				
612,75	1208,45	1372,5	1497,3	2162,1	2513,1	2743,5				
8710	9760	9760	12910	12910	12910	12910				
2250	2250	2250	2250	2250	2250	2250				
2540	2540	2540	2540	2540	2540	2540				
7050	9240	9350	10450	12370	12370	12370				
7050	9240	9350	10450	12370	12370	12370				



Brand

