

Air Eco₂nomy[®]



Energy efficient, compact, and versatile

GEA-Chiller

Process- and Comfort Air Conditioning | Product Overview

ESEER 6,0

64 dB(A)

2.450 kW

Chiller

air cooled · packaged

GLAC 0152 ... 0612 - BD1
GLAC 0152 ... 0612 - BD1.SL

Outside installation

36 kW up to 159 kW



- ▶ Standard configuration with 2 scroll compressors
- ▶ Buffer tank and pump as option (GLHM hydraulic module)
- ▶ Cooling operation up to -15 °C outside temperature
- ▶ Autoadaptive microprocessor control
- ▶ Controller type: W3000 „B-version“
- ▶ Master/slave operation with units of W3000 series as accessories available
- ▶ Connection to BMS via optional interface
- ▶ Mounted with water filter



refrigerant R-410A	GLAC	0152	0182	0202	0252	0302	0352	0412	0452	0512	0552	0612
Nominal cooling capacity	kW	36,1	42,8	50,7	57,6	74,2	84,4	96,4	108,8	122,0	144,0	158,6
Power consumption	kW	15,1	16,5	18,9	21,2	28,6	33,7	37,1	41,4	45,9	50,2	58,6
Max. current consumption	A	35	39	47	54	65	75	83	93	103	116	129
ESEER		4,03	4,20	4,25	4,22	4,11	3,99	4,02	4,15	4,06	4,40	4,20
Scroll compressor	Anzahl	2	2	2	2	2	2	2	2	2	2	2
Circuits	Anzahl	1	1	1	1	1	1	1	1	1	1	1
Speeds	Anzahl	2	2	2	2	2	2	2	2	2	2	2
Sound power level	dB(A)	79	79	80	80	81	83	83	83	84	87	87
Sound pressure level 10 m	dB(A)	51	51	52	52	53	55	55	55	56	59	59
Length	mm	1695	1695	2195	2195	2745	2745	2745	2745	3245	3245	3245
Width	mm	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
Height	mm	1420	1420	1420	1420	1420	1420	1420	1420	1420	1620	1620
Operating weight	kg	370	410	460	490	660	720	790	820	930	950	960

▶ as above, however with noise optimized model – SL

refrigerant R-410A	GLAC-SL	0152	0182	0202	0252	0302	0352	0412	0452	0512	0552	0612
Nominal cooling capacity	kW	33,8	42,3	47,8	55,5	69,9	85,4	96,8	106,1	117,5	138,8	150,9
Power consumption	kW	16,3	17,0	20,3	22,6	30,9	33,6	37,3	43,2	48,1	53,1	62,4
Max. current consumption	A	35	39	47	54	65	75	83	93	103	116	129
ESEER		3,77	3,93	4,01	3,89	3,86	3,87	3,91	3,91	3,90	4,19	3,96
Scroll compressor	Anzahl	2	2	2	2	2	2	2	2	2	2	2
Circuits	Anzahl	1	1	1	1	1	1	1	1	1	1	1
Speeds	Anzahl	2	2	2	2	2	2	2	2	2	2	2
Sound power level	dB(A)	76	77	77	78	78	81	81	81	82	84	84
Sound pressure level 10 m	dB(A)	48	49	49	50	50	53	53	53	54	56	56
Length	mm	1695	2195	2195	2745	2745	3245	3245	3245	3245	3245	3245
Width	mm	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
Height	mm	1420	1420	1420	1420	1420	1620	1620	1620	1620	1620	1620
Operating weight	kg	390	450	480	540	700	780	860	910	940	950	960

ESEER
Performance data
Sound power level
Sound pressure level

European Seasonal Energy Efficiency according to Eurovent standard 6-C003-2006
with chilled water 12/7 °C and air intake temperature 35 °C
EUROVENT certified value, definition as of ISO 3744
hemispherical radiation – 10m distance – without reflection
For project related sound data calculations use the obligatory sound power level
(see also page 39)!