



GEA Bock Plusbox

Plug & Play Units powered by GEA Bock Compressors

Flexible, efficient, reliable.

GEA gives you the freedom to choose:

With the Plusbox, GEA Bock presents for the first time a series of modular designed outdoor condensing units on the basis of semi-hermetic GEA Bock compressors and GEA condensers.

The modular model kit of the new Plusbox condensing units enables the system manufacturer to configure the Plusbox individually according to his demands. This way, he can decide on the scope of supply and has for example the choice which control system suits best for his application.

Whether it's the basic design, the Plug & Play version or the individual version – with the Plusbox, GEA Bock offers top components with a fair price/performance ratio that facilitate work on the system for the system manufacturer due to the pre-assembly and delivery of the complete Plusbox unit.

Initially, GEA Bock offers the Plusbox with GEA Bock compressors HG34e, which corresponds to refrigerating capacities of approx. 9 to 15 kW at normal cooling conditions (R404a at -10°C evaporation temperature and 32°C ambient temperature).

The extension of the Plusbox model range in larger and smaller capacity ranges is planned.

Basic:

Scope of supply:

- GEA Bock semi-hermetic compressor
- Generously sized condenser for all climate zones
- Low noise fan
- Liquid receiver
- Weatherproofed powder coated steel sheets enclosure
- Compressor located in acoustically lined enclosure
- Main isolator



Plug & Play

Scope of supply:

- Basic scope of supply
- Complete liquid- and suction pipework arrangements
- Fan speed controller
- Electric switch board
- Electrical wiring of all components
- Oil sump heater
- High and low pressure switch

Individuell

Scope of supply:

- Basic scope of supply

Components can be chosen individual

- Frequency converter
- Mechanical capacity regulator 50/50
- EC fan
- Oil separator
- Oil differential pressure sensor
- Thermal protection thermostat
- Complete liquid- and suction pipework arrangements
- Fan speed controller
- Electric switch board
- Electrical wiring of all components
- Oil sump heater
- High and low pressure switch


GEA Bock Plusbox Outdoor Condensing Units

R134a		Performance data									50 Hz	
Type	Amb. temp. °C		Cooling capacity \dot{Q}_o [W]					Power consumption P_e [kW]				
			Evaporating temperature °C									
			10	5	0	-5	-10	-15	-20	-25	-30	
SHGX34e/215-4 PB SHGX34e/215-4 SPB	15	Q	15800	13400	11200	9180	7360	5760				
		P	2,89	2,80	2,70	2,58	2,43	2,27				
	25	Q	14100	11900	9880	8060	6420	4980	3740	2720	1920	
		P	3,38	3,19	3,01	2,81	2,61	2,40	2,18	1,97	1,76	
32	Q	12900	10900	8970	7270	5760	4430	3290	2370	1650		
	P	3,65	3,41	3,17	2,93	2,69	2,45	2,22	2,00	1,80		
43	Q	11100	9250	7580	6080	4740	3580	2610	1830	1260		
	P	4,00	3,68	3,36	3,06	2,77	2,50	2,24	2,02	1,83		
SHGX34e/255-4 PB ¹⁾ SHGX34e/255-4 SPB	15	Q	18300	15600	13100	10700	8580	6720				
		P	3,45	3,31	3,15	2,96	2,76	2,55				
	25	Q	16300	13800	11600	9390	7480	5780	4340	3180	2320	
		P	4,02	3,80	3,55	3,29	3,01	2,74	2,47	2,22	2,00	
32	Q	14900	12700	10500	8540	6760	5190	3850	2770	1980		
	P	4,36	4,08	3,78	3,47	3,15	2,84	2,54	2,27	2,02		
43	Q	12900	10900	9010	7280	5710	4330	3160	2230	1550		
	P	4,81	4,45	4,07	3,69	3,31	2,94	2,60	2,29	2,03		
SHGX34e/315-4 PB ¹⁾	15	Q	21400	18300	15400	12800	10300	8150	6300			
		P	4,50	4,21	3,92	3,63	3,34	3,06	2,78			
	25	Q	19000	16200	13600	11200	9000	7080	5430	4070	3010	
		P	5,08	4,71	4,34	3,98	3,62	3,27	2,93	2,61	2,32	
32	Q	17400	14900	12400	10200	8150	6370	4860	3600	2630		
	P	5,45	5,02	4,60	4,18	3,78	3,38	3,01	2,66	2,33		
43	Q	15100	12800	10700	8650	6880	5330	4000	2910	2050		
	P	5,94	5,43	4,92	4,43	3,96	3,50	3,07	2,67	2,30		
SHGX34e/315-4 SPB	15	Q	22800	19400	16200	13300	10700	8370				
		P	4,14	3,94	3,73	3,50	3,26	3,01				
	25	Q	20300	17200	14300	11700	9310	7280	5550	4140	3050	
		P	4,78	4,50	4,19	3,88	3,56	3,23	2,91	2,61	2,32	
32	Q	18600	15700	13000	10600	8420	6550	4960	3660	2660		
	P	5,19	4,84	4,47	4,10	3,73	3,36	3,00	2,65	2,33		
43	Q	16000	13500	11100	8970	7090	5450	4070	2940	2070		
	P	5,75	5,30	4,84	4,39	3,93	3,49	3,07	2,67	2,30		
SHGX34e/380-4 PB ¹⁾ SHGX34e/380-4 SPB	15	Q	26500	22700	19200	15900	12900	10300	7940			
		P	5,30	4,96	4,62	4,27	3,92	3,57	3,22			
	25	Q	23600	20200	17000	14000	11400	8990	6960	5280	3960	
		P	6,05	5,61	5,17	4,73	4,30	3,87	3,45	3,05	2,68	
32	Q	21600	18400	15500	12800	10400	8150	6290	4740	3510		
	P	6,52	6,01	5,51	5,00	4,51	4,03	3,57	3,13	2,72		
43	Q	18700	15900	13300	10900	8770	6880	5250	3890	2810		
	P	7,15	6,54	5,94	5,34	4,76	4,20	3,67	3,17	2,71		

Relating to 20 °C suction gas temperature without liquid subcooling

¹⁾ Condensing units are ASERCOM certified



 Supplementary cooling or reduced suction gas temperature



GEA Bock condensing units – ASERCOM certified

According to the EU Ecodesign Directive


ASERCOM, the Association of European Component Manufacturers, is the platform for addressing scientific and technical challenges, promoting standards for performance and safety, encouraging better environment protection, and serving the refrigeration and air conditioning industry and its customers.

The new ASERCOM certification programme for condensing units makes it possible to objectively compare the performance of the wide variety of products available on the market.

GEA Bock Plusbox Outdoor Condensing Units

R404A/R507		Performance data										50 Hz	
Type	Amb. temp. °C	Cooling capacity \dot{Q}_o [W]						Power consumption P_e [kW]					
		Evaporating temperature °C											
		5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	
SHGX34e/215-4 PB	15	Q	15100						5160				
		P	4,19						2,81				
	25	Q	12900						3000				
		P	4,71						2,44				
	32	Q	11500						2510				
		P	5,01						2,44				
	43	Q	9190						1890				
		P	5,33						2,44				
SHGX34e/215-4 SPB	15	Q	21000	18100	15400	12900	10600	8520	6700	5100			
		P	4,67	4,47	4,25	4,02	3,77	3,49	3,19	2,87			
	25	Q	18100	15500	13200	11000	8980	7210	5640	4280	3110	2120	1310
		P	5,33	5,02	4,71	4,39	4,06	3,72	3,37	3,01	2,64	2,27	1,90
	32	Q	16100	13800	11600	9640	7870	6300	4910	3710	2680	1810	1090
		P	5,72	5,34	4,97	4,59	4,20	3,82	3,43	3,04	2,65	2,28	1,91
	43	Q	13000	11100	9240	7620	6170	4890	3780	2820	2020	1340	774
		P	6,24	5,75	5,27	4,80	4,34	3,88	3,44	3,01	2,60	2,21	1,85
SHGX34e/255-4 PB	15	Q	17200						6360				
		P	5,05						3,35				
	25	Q	14800						5240				
		P	5,67						3,42				
	32	Q	13100						4500				
		P	6,03						3,46				
	43	Q	10600						3430				
		P	6,44						2,94				
SHGX34e/255-4 SPB	15	Q	23700	20600	17600	14800	12300	9950	7910	6140	4660		
		P	5,73	5,42	5,10	4,75	4,40	4,04	3,68	3,32	2,98		
	25	Q	20400	17700	15100	12600	10400	8370	6590	5050	3760	2710	1920
		P	6,47	6,06	5,63	5,19	4,74	4,29	3,84	3,42	3,01	2,63	2,30
	32	Q	18200	15700	13300	11100	9100	7300	5710	4330	3180	2250	1550
		P	6,92	6,44	5,94	5,43	4,92	4,41	3,91	3,44	2,99	2,59	2,24
	43	Q	14700	12600	10700	8820	7180	5700	4410	3300	2380	1650	1100
		P	7,50	6,92	6,32	5,72	5,12	4,53	3,96	3,42	2,92	2,48	2,10
SHGX34e/315-4 PB	15	Q	20200						7690				
		P	6,34						3,98				
	25	Q	17300						6410				
		P	7,01						3,59				
	32	Q	15400						5580				
		P	7,41						3,59				
	43	Q	12400						4320				
		P	7,91						3,50				
SHGX34e/315-4 SPB	15	Q	28900	25100	21600	18300	15200	12500	9950	7790			
		P	6,93	6,48	6,04	5,60	5,18	4,75	4,32	3,89			
	25	Q	25000	21700	18600	15700	13000	10600	8430	6540	4920	3560	2450
		P	7,81	7,26	6,72	6,18	5,65	5,13	4,61	4,09	3,58	3,07	2,57
	32	Q	22300	19300	16500	13900	11500	9330	7400	5710	4240	3000	1970
		P	8,35	7,73	7,12	6,52	5,92	5,33	4,75	4,17	3,60	3,05	2,51
	43	Q	18200	15700	13400	11200	9210	7430	5840	4430	3200	2140	1240
		P	9,05	8,33	7,61	6,90	6,20	5,51	4,84	4,17	3,52	2,89	2,28
SHGX34e/380-4 PB	15	Q	24700						9520				
		P	7,71						4,71				
	25	Q	21100						7960				
		P	8,55						4,93				
	32	Q	18800						6960				
		P	9,07						4,31				
	43	Q	15400						5500				
		P	9,75						4,27				
SHGX34e/380-4 SPB	15	Q	33000	29000	25200	21500	18100	15000	12200	9630	7470		
		P	8,90	8,23	7,59	6,97	6,37	5,79	5,23	4,70	4,18		
	25	Q	28400	25000	21600	18500	15600	12900	10400	8190	6310	4720	3410
		P	9,96	9,18	8,41	7,66	6,93	6,23	5,54	4,89	4,26	3,66	3,11
	32	Q	25300	22200	19200	16400	13800	11400	9150	7200	5490	4030	2810
		P	10,5	9,74	8,90	8,07	7,27	6,48	5,72	4,99	4,29	3,63	3,02
	43	Q	18100						5680				
		P	10,4						4,26				

Relating to 20 °C suction gas temperature without liquid subcooling

 Supplementary cooling or reduced suction gas temperature

GEA Bock Plusbox Outdoor Condensing Units

R407C		Performance data							50 Hz	
Type	Amb. temp. °C	Cooling capacity \dot{Q}_o [W]					Power consumption P_e [kW]			
		Evaporating temperature °C								
		10	5	0	-5	-10	-15	-20	-25	
SHGX34e/215-4 PB	15	Q				12400	10200	8220	6540	5100
		P				3,71	3,44	3,16	2,89	2,63
	25	Q				10700	8730	7020	5530	4260
		P				4,12	3,75	3,38	3,03	2,71
SHGX34e/215-4 SPB	32	Q				9580	7810	6260	4910	3760
		P				4,36	3,93	3,51	3,12	2,76
	43	Q				8020	6530	5220	4100	3140
		P				4,72	4,20	3,71	3,26	2,86
SHGX34e/215-4 SPB	15	Q	21500	18200	15300	12600	10300	8200	6440	4930
		P	4,60	4,34	4,07	3,79	3,52	3,23	2,95	2,66
	25	Q	19000	16000	13400	11100	8930	7110	5550	4210
		P	5,27	4,90	4,55	4,19	3,84	3,49	3,15	2,82
SHGX34e/255-4 PB	32	Q	17200	14600	12100	9950	8060	6410	4990	3770
		P	5,67	5,25	4,83	4,42	4,01	3,62	3,24	2,89
	43	Q	14600	12300	10200	8340	6750	5370	4180	3160
		P	6,23	5,70	5,19	4,70	4,22	3,76	3,34	2,95
SHGX34e/255-4 SPB	15	Q				14300	11700	9470	7580	5920
		P				4,49	4,08	3,70	3,33	2,98
	25	Q				12400	10100	8180	6500	4980
		P				4,96	4,46	3,99	3,55	3,13
SHGX34e/255-4 SPB	32	Q				11100	9050	7340	5830	4440
		P				5,24	4,69	4,17	3,68	3,23
	43	Q				9110	7540	6180	4970	3820
		P				5,64	5,01	4,42	3,88	3,38
SHGX34e/315-4 PB	15	Q	24100	20700	17500	14600	12000	9620	7610	5880
		P	5,71	5,30	4,90	4,52	4,15	3,79	3,43	3,08
	25	Q	21300	18200	15300	12800	10500	8380	6600	5070
		P	6,42	5,91	5,42	4,96	4,50	4,07	3,64	3,23
SHGX34e/315-4 SPB	32	Q	19300	16500	13900	11500	9390	7540	5920	4530
		P	6,87	6,30	5,75	5,22	4,72	4,23	3,76	3,32
	43	Q		13900	11700	9640	7870	6320	4980	3810
		P		6,84	6,20	5,59	5,01	4,46	3,93	3,44
SHGX34e/315-4 PB	15	Q				16700	13900	11300	9030	7090
		P				5,51	4,99	4,51	4,05	3,61
	25	Q				14600	12100	9760	7760	6050
		P				6,05	5,44	4,86	4,31	3,79
SHGX34e/315-4 SPB	32	Q				13200	10900	8790	6960	5400
		P				6,37	5,70	5,06	4,45	3,88
	43	Q				11300	9190	7400	5830	
		P				6,80	6,04	5,32	4,63	
SHGX34e/380-4 PB	15	Q	29400	25200	21300	17700	14500	11700	9180	7130
		P	6,59	6,14	5,70	5,27	4,84	4,43	4,01	3,61
	25	Q	25900	22100	18700	15500	12700	10200	7990	6160
		P	7,61	7,03	6,45	5,89	5,34	4,81	4,30	3,81
SHGX34e/380-4 SPB	32	Q	23500	20100	16900	14100	11500	9180	7210	5530
		P	8,26	7,59	6,93	6,29	5,66	5,06	4,48	3,94
	43	Q	19900	17000	14300	11900	9670	7760	6100	4660
		P	9,12	8,32	7,53	6,77	6,03	5,32	4,66	4,04
SHGX34e/380-4 PB	15	Q				20700	17300	14100	11400	8900
		P				6,72	6,04	5,43	4,87	4,34
	25	Q				18200	15100	12400	9890	7750
		P				7,47	6,67	5,95	5,28	4,64
SHGX34e/380-4 SPB	32	Q				16400	13700	11200	8950	7010
		P				7,94	7,06	6,25	5,51	4,81
	43	Q				13800	11500	9430	7590	
		P				8,57	7,57	6,65	5,79	
SHGX34e/380-4 SPB	15	Q	33800	29100	24800	20800	17100	13900	11100	8560
		P	8,59	7,79	7,08	6,45	5,86	5,32	4,78	4,25
	25	Q	29600	25500	21700	18200	15000	12200	9610	7380
		P	9,75	8,81	7,97	7,19	6,47	5,78	5,12	4,47
SHGX34e/380-4 SPB	32	Q	26700	23000	19600	16400	13600	11000	8640	6550
		P	10,4	9,45	8,52	7,66	6,85	6,08	5,34	4,61
	43	Q		19400	16500	13900	11500	9290	7300	
		P		10,2	9,20	8,21	7,28	6,38	5,52	


Relating to 20 °C suction gas temperature without liquid subcooling

Supplementary cooling or reduced suction gas temperature

GEA Bock Plusbox Outdoor Condensing Units

R407F		Performance data							50 Hz
Type	Amb. temp. °C	Cooling capacity \dot{Q}_o [W]				Power consumption P_e [kW]			
		Evaporating temperature °C							
		10	5	0	-5	-10	-15	-20	
SHGX34e/215-4 PB	15	Q				13900	11400	9080	7140
		P				4,05	3,74	3,42	3,11
	25	Q				12200	9850	7820	6050
		P				4,54	4,12	3,70	3,29
SHGX34e/215-4 SPB	32	Q				11000	8850	6990	5360
		P				4,79	4,32	3,85	3,40
	43	Q				9030	7260	5690	4310
		P				5,00	4,47	3,94	3,45
SHGX34e/215-4 PB	15	Q	24000	20400	17100	14200	11600	9210	7240
		P	4,87	4,63	4,37	4,09	3,80	3,50	3,20
	25	Q	21000	17900	15000	12400	10100	7970	6200
		P	5,61	5,26	4,89	4,52	4,14	3,77	3,41
SHGX34e/215-4 SPB	32	Q	19000	16100	13500	11100	8960	7100	5470
		P	6,04	5,61	5,18	4,74	4,30	3,88	3,48
	43	Q		13300	11100	9070	7290	5720	4320
		P		6,06	5,51	4,97	4,44	3,94	3,48
SHGX34e/255-4 PB	15	Q				15900	13200	10700	8560
		P				4,88	4,47	4,08	3,70
	25	Q				14000	11500	9270	7310
		P				5,45	4,92	4,42	3,94
SHGX34e/255-4 SPB	32	Q				12600	10400	8290	6480
		P				5,74	5,15	4,58	4,05
	43	Q				10500	8520	6770	5210
		P				6,03	5,34	4,70	4,10
SHGX34e/255-4 PB	15	Q	27000	23200	19600	16300	13400	10800	8490
		P	5,99	5,67	5,30	4,90	4,49	4,08	3,69
	25	Q	23600	20300	17100	14300	11600	9270	7230
		P	6,80	6,37	5,89	5,39	4,88	4,39	3,92
SHGX34e/255-4 SPB	32	Q	21300	18300	15400	12800	10400	8260	6370
		P	7,27	6,77	6,22	5,65	5,08	4,53	4,01
	43	Q			12700	10600	8520	6700	5060
		P			6,60	5,93	5,27	4,63	4,05
SHGX34e/315-4 PB	15	Q				18900	15800	12900	10400
		P				6,09	5,52	4,97	4,47
	25	Q				16600	13800	11200	8900
		P				6,70	6,01	5,36	4,76
SHGX34e/315-4 SPB	32	Q				15000	12400	10100	7940
		P				7,03	6,26	5,55	4,89
	43	Q				12400	10300	8270	6470
		P				7,37	6,50	5,69	4,96
SHGX34e/315-4 PB	15	Q	32800	28200	23900	20000	16500	13300	10700
		P	7,33	6,83	6,32	5,80	5,29	4,80	4,34
	25	Q	28800	24800	21000	17600	14400	11700	9160
		P	8,28	7,68	7,06	6,44	5,82	5,23	4,69
SHGX34e/315-4 SPB	32	Q	26000	22400	19000	15900	13000	10500	8160
		P	8,84	8,17	7,47	6,78	6,10	5,44	4,84
	43	Q		18700	15800	13200	10800	8600	6610
		P		8,76	7,95	7,14	6,35	5,61	4,92
SHGX34e/380-4 PB	15	Q				23100	19200	15700	12700
		P				7,40	6,66	5,97	5,33
	25	Q				20200	16800	13700	10900
		P				8,17	7,30	6,48	5,73
SHGX34e/380-4 SPB	32	Q				18300	15100	12300	9710
		P				8,61	7,64	6,74	5,92
	43	Q				15400	12700	10200	8010
		P				9,10	8,00	6,99	6,07
SHGX34e/380-4 PB	15	Q	37300	32500	27900	23600	19600	16000	12900
		P	9,52	8,78	8,02	7,28	6,55	5,88	5,27
	25	Q	32600	28400	24400	20700	17200	14000	11200
		P	10,6	9,77	8,90	8,03	7,19	6,40	5,67
SHGX34e/380-4 SPB	32	Q	29400	25600	22100	18700	15500	12700	10000
		P	11,2	10,3	9,39	8,44	7,52	6,65	5,86
	43	Q			18500	15700	13000	10600	8200
		P			9,92	8,86	7,84	6,87	5,98


Relating to 20 °C suction gas temperature without liquid subcooling


 Supplementary cooling or reduced suction gas temperature

GEA Bock Plusbox Outdoor Condensing Units

R22		Performance data										50 Hz
Type	Amb. temp. °C	Cooling capacity \dot{Q}_o [W]					Power consumption P_e [kW]					
		Evaporating temperature °C										
		10	5	0	-5	-10	-15	-20	-25	-30	-35	
SHG34e/215-4 PB	15	Q				14300	11800	9590	7700	6100		
		P				3,71	3,47	3,23	2,99	2,75		
	25	Q				12700	10600	8630	6980	5560	4360	3350
		P				4,23	3,92	3,61	3,30	3,00	2,72	2,45
	32	Q				11700	9650	7910	6400	5090	3960	2990
		P				4,56	4,19	3,83	3,48	3,14	2,82	2,53
	43	Q				9960	8270	6770	5430	4250		
		P				5,02	4,56	4,11	3,69	3,28		
SHG34e/215-4 SPB	15	Q	23000	19900	16900	14200	11800	9610	7730	6120		
		P	4,36	4,14	3,93	3,70	3,47	3,23	2,99	2,75		
	25	Q	20500	17700	15100	12700	10600	8650	7000	5570	4370	3360
		P	5,17	4,85	4,54	4,23	3,92	3,61	3,30	3,00	2,72	2,45
	32	Q	18800	16200	13800	11700	9660	7930	6410	5090	3960	2990
		P	5,70	5,32	4,94	4,56	4,19	3,83	3,48	3,14	2,82	2,53
	43	Q	16300	14000	11900	9980	8290	6770	5430	4250		
		P	6,49	5,99	5,50	5,02	4,56	4,11	3,68	3,28		
SHG34e/255-4 PB	15	Q				16300	13600	11200	8990	7140	5570	
		P				4,39	4,07	3,76	3,46	3,15	2,86	
	25	Q				14600	12200	9990	8110	6480	5080	3910
		P				4,98	4,58	4,19	3,81	3,45	3,11	2,78
	32	Q				13300	11100	9140	7410	5910	4600	3480
		P				5,36	4,89	4,44	4,01	3,61	3,22	2,87
	43	Q				11500	9510	7800	6270	4920		
		P				5,88	5,30	4,76	4,24	3,75		
SHG34e/255-4 SPB	15	Q	26100	22600	19300	16400	13600	11200	9010	7150	5580	
		P	5,33	5,01	4,70	4,39	4,08	3,77	3,46	3,16	2,86	
	25	Q	23200	20100	17200	14600	12200	10000	8120	6490	5090	3910
		P	6,25	5,81	5,39	4,98	4,58	4,19	3,82	3,45	3,11	2,78
	32	Q	21200	18400	15700	13300	11100	9140	7420	5910	4600	3470
		P	6,85	6,33	5,84	5,36	4,89	4,44	4,01	3,61	3,22	2,87
	43	Q	18400	15900	13600	11500	9510	7800	6270	4910		
		P	7,75	7,10	6,48	5,88	5,31	4,76	4,25	3,76		
SHG34e/315-4 PB	15	Q				19500	16300	13500	11000	8720	6840	5270
		P				5,53	5,09	4,66	4,23	3,82	3,43	3,06
	25	Q				17300	14600	12100	9800	7860	6180	4750
		P				6,23	5,69	5,16	4,65	4,17	3,72	3,32
	32	Q				15800	13300	11000	8930	7140	5570	4210
		P				6,67	6,05	5,45	4,88	4,34	3,85	3,42
	43	Q				13600	11400	9330	7530	5920		
		P				7,28	6,52	5,81	5,13	4,51		
SHG34e/315-4 SPB	15	Q	32400	28100	24000	20300	16900	13800	11200	8830	6890	
		P	6,41	6,02	5,64	5,26	4,88	4,50	4,13	3,75	3,39	
	25	Q	28800	24900	21300	18100	15100	12400	10100	8010	6280	4820
		P	7,55	7,02	6,50	6,00	5,51	5,03	4,57	4,12	3,69	3,30
	32	Q	26400	22800	19500	16500	13800	11400	9180	7300	5680	4290
		P	8,30	7,67	7,06	6,47	5,90	5,35	4,81	4,31	3,84	3,41
	43	Q	22800	19700	16800	14200	11800	9660	7770	6090		
		P	9,40	8,61	7,85	7,12	6,41	5,74	5,10	4,51		
SHG34e/380-4 PB	15	Q				23700	19900	16400	13300	10700	8310	6400
		P				6,52	5,99	5,48	4,97	4,49	4,02	3,58
	25	Q				21100	17700	14700	12000	9560	7520	5780
		P				7,38	6,72	6,09	5,49	4,92	4,39	3,90
	32	Q				19300	16200	13400	10900	8680	6770	5110
		P				7,92	7,17	6,45	5,77	5,14	4,55	4,02
	43	Q				16600	13900	11400	9170	7190		
		P				8,67	7,75	6,89	6,09	5,34		
SHG34e/380-4 SPB	15	Q	37200	32400	27900	23700	19900	16400	13300	10600	8290	6400
		P	8,28	7,66	7,08	6,52	5,98	5,47	4,97	4,49	4,03	3,59
	25	Q	33100	28800	24800	21100	17700	14700	12000	9560	7510	5770
		P	9,58	8,80	8,07	7,38	6,71	6,08	5,48	4,91	4,37	3,89
	32	Q	30300	26400	22700	19300	16200	13400	10900	8700	6780	5100
		P	10,4	9,55	8,71	7,91	7,16	6,44	5,76	5,12	4,54	4,01
	43	Q		22700	19500	16600	13900	11500	9200	7210		
		P		10,6	9,61	8,65	7,74	6,88	6,08	5,34		

Relating to 20 °C suction gas temperature without liquid subcooling

 Supplementary cooling or reduced suction gas temperature

 Supplementary cooling and reduced suction gas temperature

GEA Bock Plusbox Outdoor Condensing Units

Technical data											
SHG	Compressor ①			Fan / Condenser ④			Receiver Capacity	Tube diameter ⑤		Noise level 10m	Weight ⑤
	Displacement 50 Hz (1450 rpm)	Voltage ②	Max. working current	Max. working current 50 Hz	Max. power consumption 50 Hz	Air flow 50 Hz		Liquid line	Suction line		
Type	m³/h		A Δ / Y	A	W	m³/h	Ltr.	inch	inch	dBA	kg
SHG34e/215-4 PB	18,80	③	14,0 / 8,1	2,60	600	7895	8,0	1/2"	1 1/8"	47	196
SHG34e/215-4 SPB	18,80	③	18,3 / 10,5	2,60	600	7895	8,0	1/2"	1 1/8"	47	201
SHG34e/255-4 PB	22,10	③	17,0 / 9,8	2,60	600	7895	8,0	1/2"	1 1/8"	47	195
SHG34e/255-4 SPB	22,10	③	21,1 / 12,2	2,60	600	7895	8,0	1/2"	1 1/8"	47	200
SHG34e/315-4 PB	27,30	③	21,1 / 12,2	2,60	600	7020	8,0	1/2"	1 1/8"	47	198
SHG34e/315-4 SPB	27,30	③	25,5 / 14,7	2,60	600	7020	10,0	5/8"	1 3/8"	47	207
SHG34e/380-4 PB	33,10	③	26,1 / 15,1	2,60	600	7020	10,0	5/8"	1 3/8"	47	203
SHG34e/380-4 SPB	33,10	③	31,2 / 18,0	2,60	600	7020	10,0	5/8"	1 3/8"	47	206

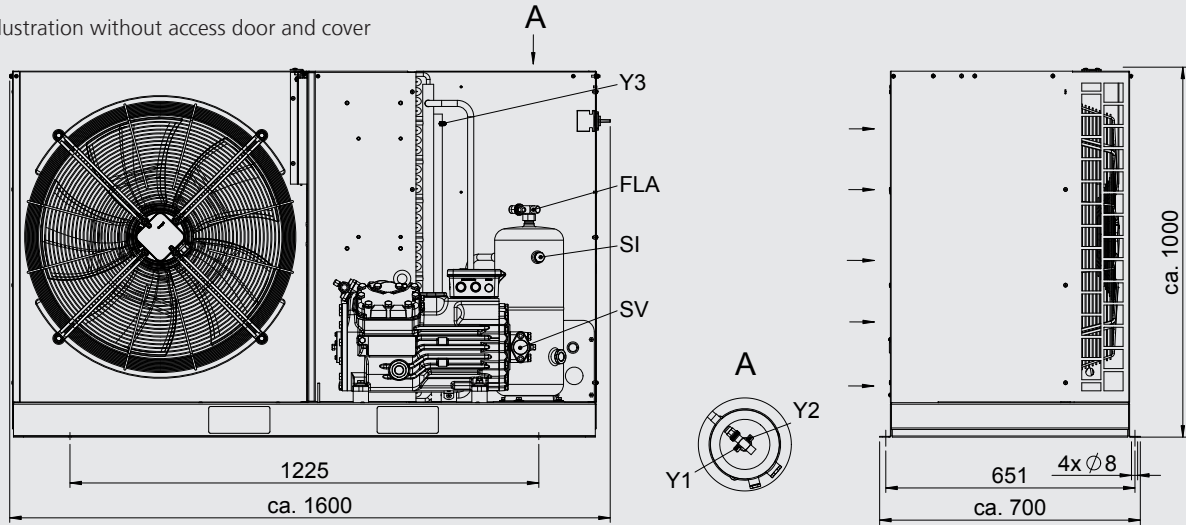
Explanations:

- ① Further explanations and technical data see brochure "Semi-hermetic GEA Bock Compressors".
- ② Tolerance ($\pm 10\%$) relates to the mean value of the voltage range. Other voltages and current types on request.
- ③ 220-240 V Δ / 380-420 V Y - 3 - 50 Hz
- ④ 230 V - 1 - 50 Hz
- ⑤ Values for Plug & Play version

GEA Bock Plusbox Outdoor Condensing Units

Dimensions

Illustration without access door and cover



SHG Type	Connections ①					
	SV mm inch	FLA mm inch	SI inch	Y1 inch	Y2 inch	Y3 inch
SHG34e/215-4 PB	28 / 1 1/8	16 / 5/8	1/2 NPTF	7/16 UNF	7/16 UNF	7/16 UNF
SHG34e/215-4 SPB	28 / 1 1/8	16 / 5/8	1/2 NPTF	7/16 UNF	7/16 UNF	7/16 UNF
SHG34e/255-4 PB	28 / 1 1/8	16 / 5/8	1/2 NPTF	7/16 UNF	7/16 UNF	7/16 UNF
SHG34e/255-4 SPB	28 / 1 1/8	16 / 5/8	1/2 NPTF	7/16 UNF	7/16 UNF	7/16 UNF
SHG34e/315-4 PB	28 / 1 1/8	16 / 5/8	1/2 NPTF	7/16 UNF	7/16 UNF	7/16 UNF
SHG34e/315-4 SPB	35 / 1 3/8	16 / 5/8	1/2 NPTF	7/16 UNF	7/16 UNF	7/16 UNF
SHG34e/380-4 PB	35 / 1 3/8	16 / 5/8	1/2 NPTF	7/16 UNF	7/16 UNF	7/16 UNF
SHG34e/380-4 SPB	35 / 1 3/8	16 / 5/8	1/2 NPTF	7/16 UNF	7/16 UNF	7/16 UNF

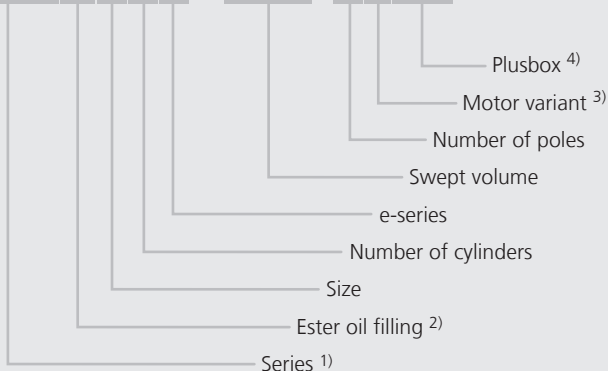
SV = Suction line shut off valve
 FLA = Liquid outlet
 SI = Connection safety valve

Y1 = Connection liquid side, lockable
 Y2 = Connection liquid side, not lockable
 Y3 = Schrader-connection speed controller fan

① Further compressor connections can be found in the brochure "semi-hermetic GEA Bock compressors"

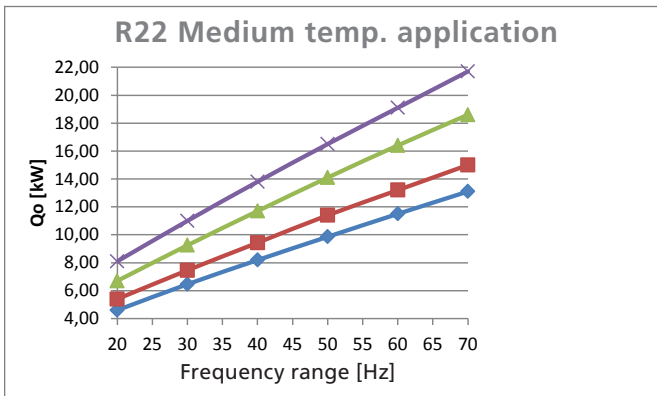
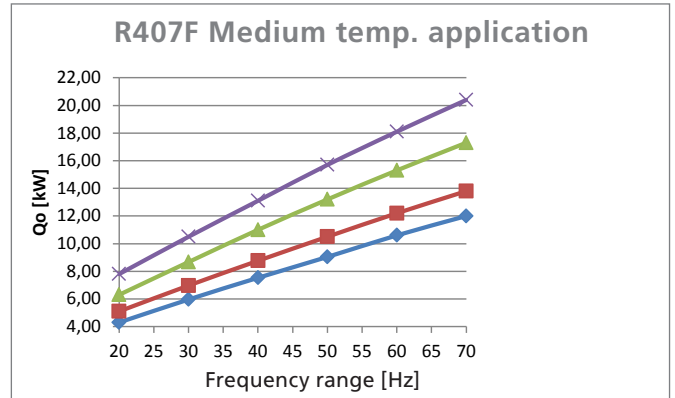
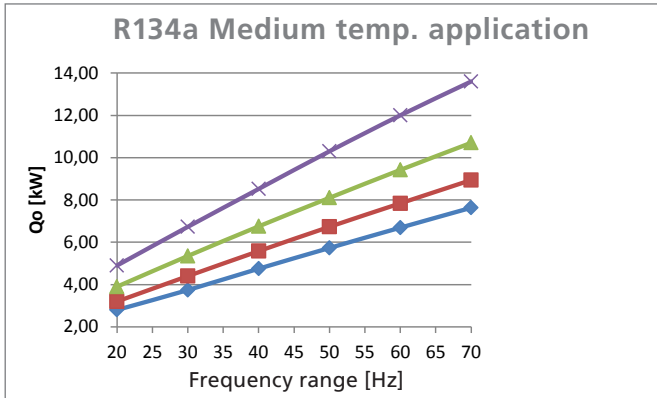
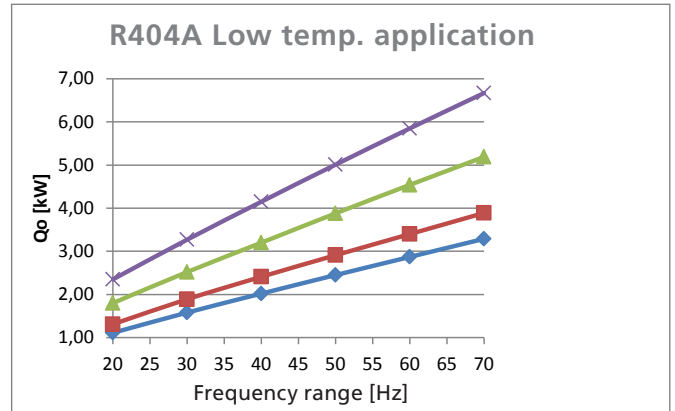
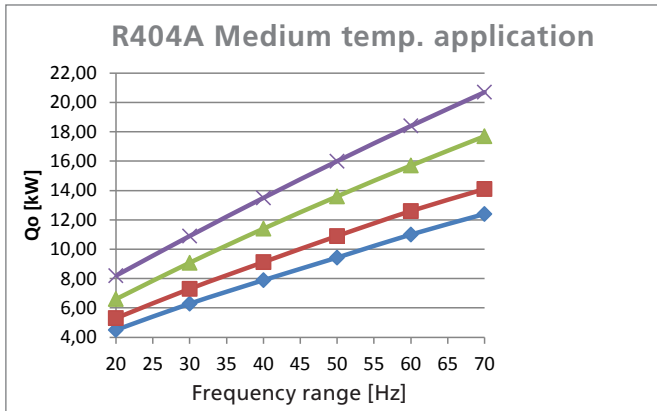
Typ key - Condenser units

SHGX34e / 215-4SPB



- 1) SHG = Hermetic Gas-cooled (suction gas-cooled)
- 2) X = Ester oil filling (HFC refrigerants R134a, R404A, R507, R407C)
- 3) S = More powerful motor, e.g. air-conditioning applications
- 4) PB = Plusbox
 P&P = Plug & Play

Help for quick selection



Legend

	Medium temp. application	Low temp. application
Evaporating temperature	-10° C	-35° C
Ambient temperature	32° C	
Superheat	10 K	
Subcooling	2 K	

- ◆ SHGX34e/215-4 (S)PB
- SHGX34e/255-4 (S)PB
- ▲ SHGX34e/315-4 (S)PB
- ✕ SHGX34e/380-4 (S)PB



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GEA Refrigeration Technologies

GEA Bock GmbH

Benzstraße 7, 72636 Frickenhausen, Germany
Phone: +49 7022 9454-0, Fax: +49 7022 9454-137
refrigeration@gea.com, www.gea.com