



Semi-hermetic Bock Compressors

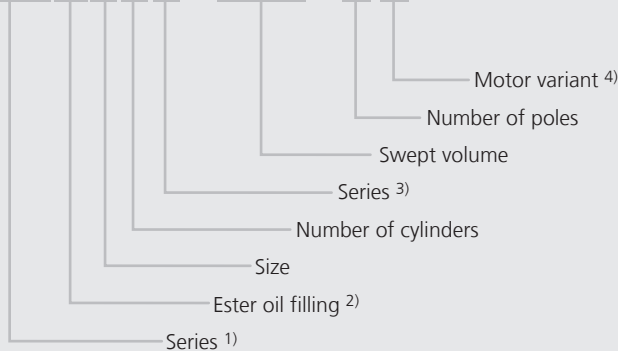
Single-stage and Two-stage Reciprocating Compressors HG (HA)



- 1
- 2
- 3
- 4

Type key

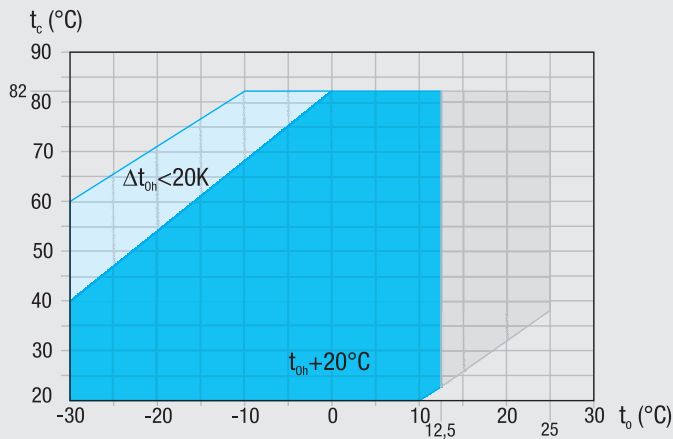
HGX34e / 215 - 4S



- 1) HG = Hermetic Gas-Cooled (suction gas-cooled)
HA = Hermetic Air-Cooled (for deep-freezing)
- 2) X = Ester oil filling
(HFC refrigerants e.g. R134a, R404A, R507, R407C)
- 3) e = Additional declaration for e-series compressors
P = Additional declaration for Pluscom compressors
- 4) S = More powerful motor e.g. air-conditioning applications

R134a Operating limits

HGX12P / HGX22e / HGX34e
HGX4 / HGX5 / HGX6 / HGX7 / HGX8



- Unlimited application range
- Supplementary cooling or reduced suction gas temperature
- Motor version -S- (more powerful motor)

- t_o Evaporating temperature (°C)
- t_c Condensing temperature (°C)
- Δt_{oh} Suction gas superheat (K)
- t_{oh} Suction gas temperature (°C)

1) LP = low pressure HP = high pressure

Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

R134a Notes

Operating limits

Compressor operation is possible within the limits shown on the application diagrams. Please note the coloured areas. Compressor application limits should not be chosen for design purposes or continuous operation.

Restrictions to the operating limits may occur when using the Bock EFC (Electronic Frequency Control). Further explanation see separate brochure "Bock semi-hermetic compressors - Electronic Controls".

Performance data

The performance data for R134a are based on ISO-DIS 9309 (DIN 8928) with a 50 Hz power supply frequency. This signifies: 25 °C suction gas temperature without liquid subcooling.

For Pluscom compressors and HGX8/2470-4 operating at 50 Hz already comply with EN 12900. This signifies 20 °C suction gas temperature without liquid subcooling.

This results in significant differences compared to specifications with liquid undercooling and/or suction-gas temperatures.

A comprehensive modification to 20 °C suction gas temperature will follow at a later date.

Conversion factor for 60 Hz = 1,2

Performance data for other operating points, see GEA Bock software.

ASERCOM certified performance data



For compressors with this label, the performance data are certified according to the strict requirements of ASERCOM.

ASERCOM is the Association of European Refrigeration Compressors and Controls Manufacturers.

Information about the Association and the constantly updated overview of certified Bock compressors can be found at www.asercom.org and www.bock.de.

R134a		Performance data											50 Hz	
Type	Cond. temp. °C		Cooling capacity \dot{Q}_0 [W]										Power consumption P_e [kW]	
			Evaporating temperature °C											
			12,5	10	7,5	5	0	-5	-10	-15	-20	-25	-30	
HGX34e/215-4	30	Q	17200	15700	14400	13000	10600	8450	6590	5000	3670	2610	1800	
		P	2,27	2,30	2,32	2,31	2,25	2,14	1,98	1,80	1,59	1,38	1,18	
	40	Q	15200	13800	12600	11400	9120	7190	5530	4120	2970	2060	1400	
		P	2,87	2,84	2,78	2,72	2,55	2,34	2,11	1,87	1,64	1,42	1,22	
	50	Q	13000	11800	10700	9540	7590	5890	4440	3240	2270	1540	1040	
P		3,38	3,27	3,16	3,03	2,76	2,47	2,18	1,90	1,64	1,42	1,24		
60	Q	10800	9690	8690	7750	6070	4620	3400	2420	1660	1120	784		
	P	3,79	3,62	3,45	3,27	2,90	2,54	2,20	1,89	1,61	1,39	1,24		
70	Q	8590	7680	6830	6040	4630	3440	2480	1730	1190				
	P	4,12	3,89	3,66	3,43	2,99	2,56	2,17	1,84	1,56				
HGX34e/255-4 ¹⁾	30	Q	20600	18800	17200	15600	12700	10100	7800	5890	4320	3080	2190	
		P	2,61	2,67	2,71	2,71	2,66	2,53	2,34	2,12	1,88	1,63	1,41	
	40	Q	18100	16500	15000	13600	11000	8660	6660	4960	3570	2490	1710	
		P	3,36	3,35	3,31	3,25	3,08	2,84	2,57	2,27	1,97	1,68	1,43	
	50	Q	15600	14200	12900	11600	9310	7280	5540	4070	2880	1960	1330	
P		4,02	3,93	3,83	3,71	3,42	3,08	2,73	2,36	2,01	1,68	1,41		
60	Q	13100	11900	10700	9610	7640	5920	4450	3220	2240	1510	1030		
	P	4,56	4,41	4,24	4,06	3,66	3,23	2,80	2,37	1,96	1,61	1,32		
70	Q	10500	9430	8480	7590	5970	4570	3380	2410	1660				
	P	4,98	4,77	4,54	4,30	3,79	3,28	2,76	2,28	1,83				
HGX34e/315-4 ¹⁾	30	Q	25500	23300	21100	19200	15500	12400	9660	7390	5520	4040	2920	
		P	3,40	3,43	3,43	3,40	3,29	3,11	2,88	2,61	2,32	2,02	1,72	
	40	Q	22300	20300	18500	16700	13500	10700	8260	6260	4620	3320	2330	
		P	4,22	4,17	4,10	4,01	3,78	3,49	3,16	2,80	2,42	2,07	1,73	
	50	Q	19200	17400	15800	14200	11400	8950	6880	5140	3720	2600	1740	
P		4,97	4,85	4,71	4,55	4,19	3,79	3,36	2,91	2,47	2,04	1,65		
60	Q	16100	14600	13100	11800	9350	7280	5520	4050	2850	1900	1170		
	P	5,63	5,44	5,22	5,00	4,51	4,00	3,46	2,93	2,41	1,92	1,47		
70	Q	13100	11800	10600	9390	7380	5660	4200	3000	2010				
	P	6,18	5,91	5,62	5,33	4,71	4,08	3,44	2,82	2,22				
HGX34e/380-4 ¹⁾	30	Q	30700	28100	25600	23200	19000	15300	12100	9310	7060	5250	3860	
		P	4,27	4,28	4,26	4,22	4,06	3,83	3,53	3,20	2,83	2,46	2,09	
	40	Q	27000	24600	22400	20300	16600	13300	10400	8000	6020	4420	3180	
		P	5,26	5,19	5,09	4,97	4,67	4,30	3,89	3,46	3,00	2,56	2,13	
	50	Q	23200	21200	19300	17400	14100	11300	8760	6670	4940	3540	2450	
P		6,17	6,01	5,83	5,63	5,18	4,69	4,16	3,62	3,07	2,55	2,06		
60	Q	19600	17800	16100	14600	11700	9240	7130	5350	3860	2650	1690		
	P	6,97	6,73	6,46	6,18	5,59	4,96	4,31	3,66	3,02	2,42	1,86		
70	Q	16000	14500	13100	11800	9340	7290	5530	4040	2800				
	P	7,65	7,31	6,97	6,60	5,86	5,09	4,32	3,56	2,83				
HGX4/465-4	30	Q	36844	33673	30698	27910	22866	18484	14705	11472	8725	6406	4458	
		P	6,44	6,21	5,98	5,77	5,37	4,98	4,62	4,26	3,89	3,50	3,10	
	40	Q	33160	30273	27568	25038	20475	16524	13128	10228	7765	5682	3920	
		P	7,25	6,97	6,70	6,44	5,94	5,46	4,98	4,52	4,04	3,54	3,02	
	50	Q	28823	26257	23862	21629	17623	14181	11244	8754	6653	4882	3383	
P		8,09	7,75	7,42	7,10	6,48	5,87	5,28	4,68	4,07	3,44	2,78		
60	Q	23760	21555	19507	17610	14239	11382	8981	6979	5316	3934	2775		
	P	8,96	8,55	8,15	7,76	6,99	6,24	5,50	4,75	3,98	3,19	2,37		
70	Q	17901	16094	14433	12910	10249	8055	6268	4829	3682				
	P	9,85	9,37	8,89	8,42	7,49	6,57	5,65	4,73	3,79				
HGX4/555-4	30	Q	43847	40074	36533	33215	27212	21997	17501	13652	10383	7624	5305	
		P	7,66	7,39	7,12	6,87	6,38	5,93	5,50	5,06	4,63	4,17	3,69	
	40	Q	39463	36027	32808	29798	24367	19665	15624	12172	9241	6762	4665	
		P	8,63	8,30	7,98	7,66	7,07	6,49	5,93	5,37	4,80	4,21	3,59	
	50	Q	34302	31248	28398	25741	20973	16876	13381	10418	7917	5810	4026	
P		9,63	9,23	8,83	8,45	7,71	6,99	6,28	5,57	4,84	4,09	3,30		
60	Q	28277	25652	23215	20958	16945	13545	10688	8305	6326	4682	3302		
	P	10,66	10,17	9,70	9,23	8,32	7,43	6,54	5,65	4,74	3,80	2,82		
70	Q	21303	19153	17176	15363	12198	9586	7459	5747	4382				
	P	11,73	11,15	10,58	10,02	8,91	7,82	6,72	5,63	4,51				
HGX4/650-4	30	Q	51459	47031	42875	38981	31937	25816	20539	16023	12186	8948	6226	
		P	8,99	8,67	8,36	8,06	7,49	6,96	6,45	5,94	5,43	4,90	4,33	
	40	Q	46314	42282	38504	34971	28597	23079	18336	14285	10846	7936	5474	
		P	10,13	9,74	9,36	8,99	8,29	7,62	6,96	6,31	5,64	4,95	4,22	
	50	Q	40257	36673	33328	30209	24614	19806	15704	12227	9292	6818	4724	
P		11,30	10,83	10,37	9,92	9,05	8,20	7,37	6,53	5,68	4,80	3,88		
60	Q	33186	30106	27246	24596	19887	15897	12544	9747	7424	5494	3876		
	P	12,51	11,94	11,38	10,84	9,77	8,72	7,68	6,63	5,56	4,46	3,31		
70	Q	25002	22478	20158	18031	14315	11250	8754	6745	5142				
	P	13,76	13,08	12,41	11,75	10,45	9,17	7,89	6,60	5,29				

Relating to 25 °C suction gas temperature (HGX34e to 20 °C suction gas temperature) without liquid subcooling

¹⁾ Compressors are ASERCOM certified



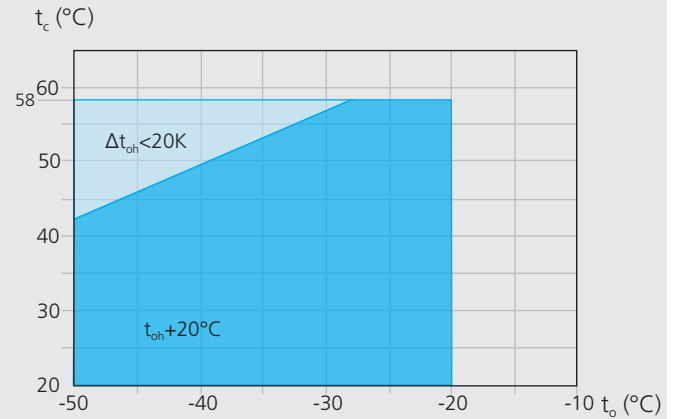
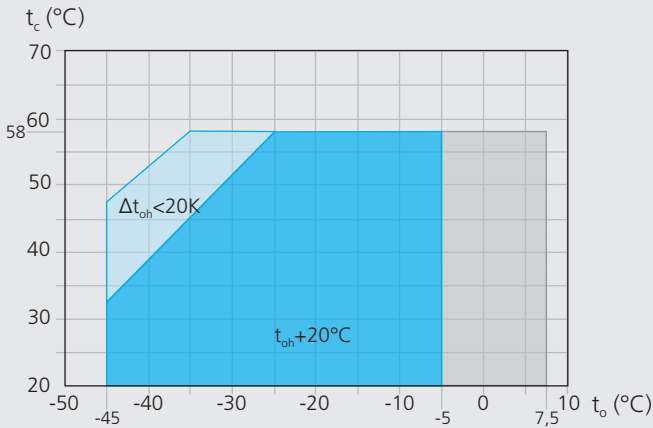
Supplementary cooling or reduced suction gas temp.

R404A/R507 Operating limits

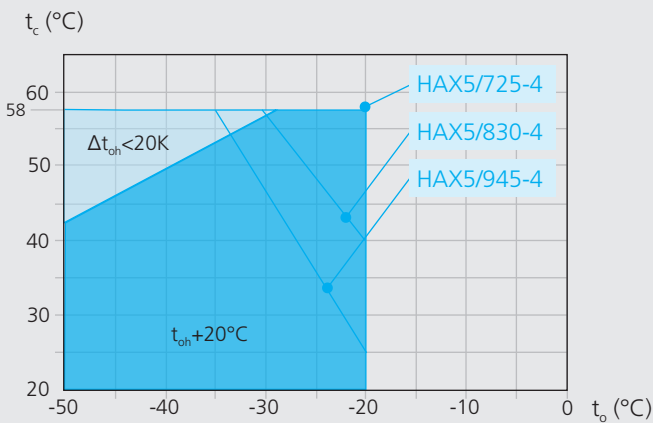
HGX12P / HGX22e / HGX34e /

HGX4 / HGX5 / HGX6^① / HGX7 / HGX8^②

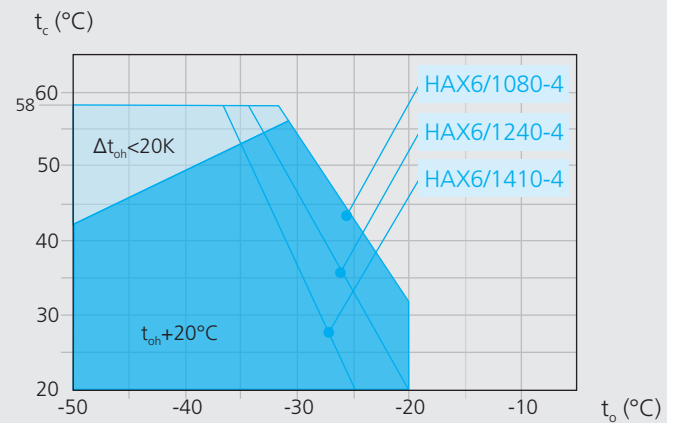
HAX12P / HAX22P / HAX34P / HAX4



HAX5



HAX6



Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

¹⁾ LP = low pressure HP = high pressure

- ① **HGX6/1410-45**
Max. evaporating temperature
 $t_o = 2\text{ °C}$
HGX6/1410-4
Max. evaporating temperature
 $t_o = -7\text{ °C}$
- ② **HGX8/2830-4**
Max. evaporating temperature
 $t_o = 0\text{ °C}$

- Unlimited application range
- HG Supplementary cooling or reduced suction gas temperature
- HA reduced suction gas temperature
- Motor version -S- (more powerful motor)
- t_o Evaporating temperature (°C)
- t_c Condensing temperature (°C)
- Δt_{oh} Suction gas superheat (K)
- t_{oh} Suction gas temperature (°C)

R404A/R507 Notes

Operating limits

Compressor operation is possible within the limits shown on the application diagrams. Please note the coloured areas. Compressor application limits should not be chosen for design purposes or continuous operation.

Restrictions to the operating limits may occur when using the Bock EFC (Electronic Frequency Control).

Further explanation see separate brochure "Bock semi-hermetic compressors - Electronic Controls".

Performance data

The performance data for R404A/R507 are based on European Standard EN 12900 with a 50 Hz power supply frequency.

This signifies: **20 °C suction gas temperature without liquid sub-cooling.**

This leads to significant differences compared to systems with liquid subcooling and/or other suction gas temperatures.

Performance data were compiled for R404A and R507.

The base values are the data for R404A.

Conversion factor for 60 Hz = 1,2

Performance data for other operating points, see GEA Bock software.

ASERCOM certified performance data



For compressors with this label, the performance data are certified according to the strict requirements of ASERCOM.

ASERCOM is the Association of European Refrigeration Compressors and Controls Manufacturers.

Information about the Association and the constantly updated overview of certified Bock compressors can be found at www.asercom.org and www.bock.de.

R404A/R507		Performance data											50 Hz	
Type	Cond. temp. °C	Q	Cooling capacity \dot{Q}_o [W]										Power consumption P_e [kW]	
			Evaporating temperature °C											
			7,5	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
HGX4/555-4 ¹⁾	30	Q	59014	54222	45450	37853	31129	25259	20184	15848	12194	9164	6702	4751
		P	11,52	11,34	10,89	10,34	9,72	8,99	8,19	7,34	6,47	5,59	4,73	3,93
		P	50452	46260	38616	32112	26279	21212	16857	13155	10050	7484	5401	3743
HGX4/555-4 S ¹⁾	40	Q	13,64	13,29	12,51	11,84	10,88	9,86	8,81	7,74	6,69	5,67	4,72	3,85
		P	41937	38348	31838	26484	21544	17286	13653	10589	8036	5938	4236	
		P	15,53	15,01	13,93	13,14	11,87	10,58	9,30	8,04	6,83	5,70	4,66	
HAX4/555-4	30	Q							21842	17569	13875	10713	8037	5799
		P							8,84	7,84	6,87	5,93	5,01	4,12
		P							18374	14675	11488	8766	6461	4528
HAX4/555-4	40	Q							9,46	8,27	7,14	6,04	4,99	3,98
		P							15013	11894	9220	6944	5018	3396
		P							9,95	8,60	7,31	6,08	4,90	3,78
HGX4/650-4 ¹⁾	30	Q	70903	65224	54821	44444	36811	30119	24302	19297	15039	11465	8510	6110
		P	14,57	14,19	13,41	12,51	11,70	10,80	9,84	8,84	7,82	6,80	5,80	4,85
		P	60855	55879	46795	37928	31232	25384	20322	15982	12298	9208	6647	4550
HGX4/650-4 S ¹⁾	40	Q	16,80	16,29	15,22	14,30	13,15	11,94	10,70	9,45	8,21	7,01	5,86	4,79
		P	50791	46523	38768	31303	25565	20586	16302	12650	9564	6980	4835	
		P	19,05	18,38	17,02	15,79	14,31	12,81	11,31	9,83	8,39	7,02	5,73	
HAX4/650-4	30	Q							24978	20136	15945	12352	9304	6747
		P							9,71	8,62	7,57	6,54	5,55	4,57
		P							21012	16819	13202	10107	7480	5268
HAX4/650-4	40	Q							10,39	9,10	7,86	6,67	5,53	4,42
		P							17167	13632	10596	8006	5809	3951
		P							10,93	9,46	8,05	6,71	5,43	4,20
HGX5/725-4 ¹⁾	30	Q	76254	70105	58815	48024	39230	31558	24934	19288	14546	10636	7486	5024
		P	13,31	13,28	13,03	12,99	12,20	11,23	10,13	8,94	7,70	6,47	5,28	4,19
		P	64689	59328	49517	40164	32541	25933	20266	15468	11467	8191	5568	3525
HGX5/725-4 S ¹⁾	40	Q	16,28	16,01	15,29	14,87	13,61	12,22	10,76	9,25	7,76	6,32	4,98	3,78
		P	53354	48782	40450	32498	26053	20515	15811	11869	8617	5982	3892	
		P	19,02	18,49	17,29	16,31	14,61	12,84	11,04	9,26	7,55	5,94	4,48	
HAX5/725-4	30	Q							26886	21437	16746	12756	9409	6644
		P							10,67	9,42	8,19	7,01	5,86	4,75
		P							22619	17905	13864	10437	7565	5189
HAX5/725-4	40	Q							11,41	9,93	8,51	7,15	5,84	4,60
		P							18487	14513	11125	8265	5874	3892
		P							12,01	10,33	8,72	7,19	5,74	4,37
HGX5/830-4 ¹⁾	30	Q	86623	79925	67508	54430	44830	36400	29056	22717	17300	12722	8900	5752
		P	15,69	15,61	15,23	14,69	13,90	12,93	11,80	10,55	9,21	7,82	6,41	5,01
		P	74069	68151	57216	45580	37311	30078	23798	18389	13769	9854	6561	3809
HGX5/830-4 S ¹⁾	40	Q	19,30	18,89	17,91	16,93	15,69	14,28	12,75	11,13	9,45	7,74	6,04	4,38
		P	61445	56332	46927	37034	30091	24051	18831	14348	10520	7263	4496	
		P	22,39	21,68	20,13	18,88	17,17	15,33	13,38	11,38	9,34	7,30	5,29	
HAX5/830-4	30	Q							30392	24266	19003	14530	10772	7655
		P							12,06	10,65	9,29	7,96	6,67	5,43
		P							25602	20281	15733	11882	8654	5976
HAX5/830-4	40	Q							12,90	11,24	9,65	8,12	6,65	5,25
		P									12641	9414	6718	4480
		P									9,88	8,16	6,53	4,99
HGX5/945-4 ¹⁾	30	Q	99975	91955	77277	63293	52168	42473	34090	26900	20783	15620	11291	7678
		P	18,52	18,31	17,73	17,40	16,27	15,04	13,74	12,35	10,90	9,38	7,80	6,18
		P	84751	77834	65213	52881	43552	35430	28395	22327	17107	12617	8737	5347
HGX5/945-4 S ¹⁾	40	Q	22,17	21,71	20,66	19,84	18,30	16,69	14,99	13,23	11,40	9,52	7,59	5,61
		P	69440	63623	53056	42757	35145	28515	22748	17723	13321	9424	5912	
		P	25,81	25,08	23,50	22,12	20,15	18,09	15,97	13,78	11,54	9,25	6,91	
HAX5/945-4	30	Q							27994	21989	16866	12548	8959	
		P							12,27	10,72	9,21	7,74	6,32	
		P									18205	13799	10088	6997
HAX5/945-4	40	Q									11,13	9,39	7,71	6,11
		P									10929	7834	5248	
		P									9,44	7,57	5,81	
HGX5/1080-4 ¹⁾	30	Q	113675	104548	87811	72501	59869	48801	39180	30889	23810	17826	12819	8672
		P	22,05	21,89	21,27	20,82	19,21	17,56	15,88	14,16	12,40	10,60	8,76	6,86
		P	96893	88944	74420	61734	50695	41062	32716	25541	19419	14233	9866	6200
HGX5/1080-4 S ¹⁾	40	Q	26,74	26,17	24,80	23,74	21,61	19,46	17,30	15,13	12,94	10,72	8,49	6,22
		P	80355	73583	61270	51086	41654	33468	26411	20366	15214	10840	7125	
		P	30,79	29,85	27,79	26,12	23,48	20,85	18,23	15,62	13,01	10,40	7,78	
HAX5/1080-4	30	Q							41973	33574	26360	20224	15061	10763
		P							16,66	14,73	12,86	11,05	9,29	7,58
		P								28072	21828	16539	12098	8401
HAX5/1080-4	40	Q									13,36	11,27	9,26	7,33
		P									17547	13107	9392	6297
		P									13,68	11,32	9,09	6,97

1
2
3
4

Relating to 20 °C suction gas temp. without liquid subcooling

¹⁾ Compressors (R404A) are ASERCOM certified

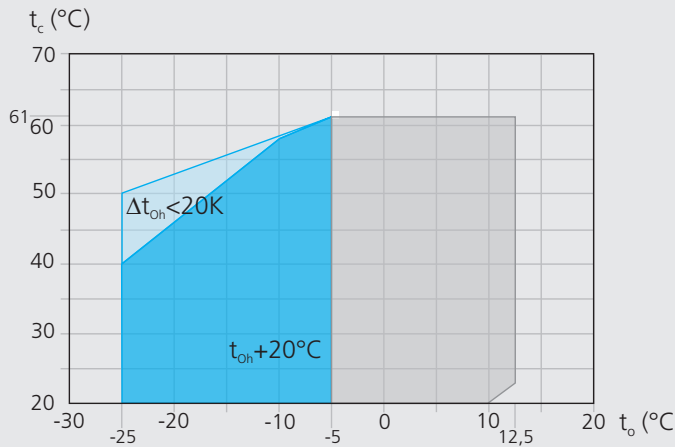


Motor version -S- (more powerful motor)

Supplementary cooling or reduced suction gas temp.

R407C Operating limits

HGX12P / HGX22e / HGX34e
HGX4 / HGX5 / HGX6 / HGX7 / HGX8^①



- Unlimited application range
- Supplementary cooling or reduced suction gas temperature
- Motor version -S- (more powerful motor)

t_o Evaporating temperature (°C)
 t_c Condensing temperature (°C)
 Δt_{oh} Suction gas superheat (K)
 t_{oh} Suction gas temperature (°C)

① HGX8/2470-4 - HGX8/2830-4 - HGX8/3220-4
 Max. evaporating temperature $t_o = 0$ °C

Max. permissible operating pressure (LP/HP)¹⁾: 19/28 bar

¹⁾ LP = low pressure HP = high pressure

- 1
- 2
- 3
- 4

R407C Notes

Operating limits

Compressor operation is possible within the limits shown on the application diagrams. Please note the coloured areas. Compressor application limits should not be chosen for design purposes or continuous operation.

Restrictions to the operating limits may occur when using the Bock EFC (Electronic Frequency Control). Further explanation see separate brochure "Bock semi-hermetic compressors - Electronic Controls".

Performance data

The performance data for R407C are based on ISO-DIS 9309 (DIN 8928) with a **50 Hz power supply frequency**.

This signifies: **25 °C suction gas temperature without liquid subcooling**. EN 12900 is already valid for Pluscom compressors, HGX4 and HGX8/2470-4 **operating at 50 Hz. 20 °C suction gas temperature without liquid subcooling**.

Evaporation and condensing temperatures are based on the dew point values (saturated vapour conditions).

A comprehensive modification to 20 °C suction gas temperature will follow at a later date.

This results in significant differences compared to specifications with liquid undercooling and/or suction-gas temperatures.

Conversion factor for 60 Hz = 1,2

Performance data for other operating points, see GEA Bock software.

R407C		Performance data										50 Hz	
Type	Cond. temp. °C		Cooling capacity \dot{Q}_0 [W]							Power consumption P_e [kW]			
			Evaporating temperature °C										
			12,5	10	7,5	5	0	-5	-10	-15	-20	-25	
HGX4/465-4	30	Q	52241	47689	43438	39475	32358	27293	21900	17313	13459	10267	
		P	7,84	7,76	7,67	7,56	7,31	7,08	6,58	6,02	5,42	4,78	
HGX4/465-4 S	40	Q	45881	41827	38049	34532	28226	23704	18952	14925	11550	8752	
		P	9,73	9,55	9,36	9,16	8,69	8,14	7,40	6,63	5,84	5,03	
	50	Q	39635	36073	32759	29681	24173	20139	16049	12600	9721	7338	
		P	11,44	11,16	10,86	10,55	9,85	9,12	8,14	7,16	6,17	5,19	
HGX4/555-4	30	Q	62010	56703	51739	47101	38751	31207	25091	19907	15531	11833	
		P	9,36	9,30	9,22	9,12	8,84	8,53	7,92	7,29	6,62	5,87	
HGX4/555-4 S	40	Q	54852	50089	45636	41481	34003	27316	21859	17204	13225	9795	
		P	11,45	11,27	11,07	10,84	10,31	9,88	9,02	8,13	7,19	6,18	
	50	Q	47717	43491	39547	35869	29256	23377	18539	14373	10752	7550	
		P	13,51	13,20	12,86	12,49	11,67	11,13	9,97	8,78	7,52	6,17	
HGX4/650-4	30	Q	73505	67118	61158	55607	45658	36887	29718	23650	18538	14235	
		P	11,85	11,66	11,45	11,22	10,68	10,03	9,28	8,56	7,80	6,95	
HGX4/650-4 S	40	Q	64535	58930	53705	48840	40118	32465	26041	20581	15939	11970	
		P	14,25	13,95	13,62	13,26	12,48	11,59	10,60	9,60	8,54	7,35	
	50	Q	55792	50933	46405	42188	34616	27833	22140	17274	13090	9442	
		P	16,75	16,31	15,84	15,34	14,26	13,13	11,79	10,42	8,96	7,34	
HGX5/725-4	30	Q	82066	75111	68581	62458	51370	41718	33371	26199	20072	14859	
		P	12,72	12,43	12,13	11,81	11,13	10,38	9,57	8,68	7,72	6,69	
HGX5/725-4 S	40	Q	73653	67297	61341	55769	45715	37005	29506	23091	17627	12986	
		P	15,09	14,67	14,23	13,79	12,86	11,88	10,85	9,75	8,60	7,39	
	50	Q	64721	58974	53605	48597	39600	31854	25228	19592	14817	10770	
		P	17,35	16,80	16,24	15,67	14,50	13,30	12,06	10,77	9,44	8,06	
HGX5/830-4	30	Q	94208	86225	78728	71699	58971	47891	38309	30076	23042	17057	
		P	14,60	14,27	13,92	13,56	12,78	11,92	10,99	9,97	8,87	7,68	
HGX5/830-4 S	40	Q	84551	77254	70417	64021	52480	42480	33872	26507	20235	14907	
		P	17,32	16,84	16,34	15,83	14,76	13,64	12,45	11,20	9,88	8,48	
	50	Q	74298	67700	61536	55787	45459	36567	28961	22491	17009	12364	
		P	19,92	19,28	18,64	17,99	16,65	15,27	13,84	12,37	10,84	9,25	
HGX5/945-4	30	Q	107188	98104	89575	81578	67096	54489	43587	34219	26216	19407	
		P	16,61	16,23	15,84	15,43	14,54	13,56	12,50	11,34	10,09	8,74	
HGX5/945-4 S	40	Q	96200	87898	80118	72842	59710	48332	38539	30159	23023	16961	
		P	19,71	19,16	18,59	18,01	16,80	15,52	14,17	12,74	11,24	9,65	
	50	Q	84534	77027	70014	63473	51722	41605	32951	25590	19352	14068	
		P	22,66	21,94	21,21	20,46	18,94	17,37	15,75	14,07	12,33	10,53	
HGX6/1080-4	30	Q	122447	112071	102327	93191	76648	62246	49792	39091	29948	22170	
		P	18,97	18,55	18,10	17,62	16,61	15,49	14,28	12,96	11,53	9,98	
HGX6/1080-4 S	40	Q	109895	100411	91524	83211	68210	55213	44025	34453	26301	19376	
		P	22,51	21,88	21,24	20,57	19,19	17,72	16,18	14,55	12,84	11,02	
	50	Q	96568	87993	79981	72509	59085	47528	37642	29233	22107	16070	
		P	25,89	25,06	24,23	23,38	21,64	19,85	17,99	16,08	14,09	12,03	
HGX6/1240-4	30	Q	140564	128652	117467	106980	87989	71456	57159	44875	34379	25450	
		P	21,78	20,23	20,77	20,23	19,06	17,79	16,39	14,88	13,23	11,46	
HGX6/1240-4 S	40	Q	25450	115267	105066	95523	78303	63382	50539	39550	30193	22243	
		P	11,46	25,12	24,38	23,61	22,02	20,35	18,58	16,71	14,74	12,65	
	50	Q	110857	101013	91815	83238	67828	54560	43211	33558	2538	18448	
		P	29,72	28,77	27,81	26,84	24,84	22,78	20,66	18,45	16,17	13,81	
HGX6/1410-4	30	Q	159931	146378	133651	121719	100112	81301	65035	51058	39116	28957	
		P	24,78	24,22	23,64	23,02	21,69	20,24	18,65	16,92	15,05	13,03	
HGX6/1410-4 S	40	Q	143537	131149	119452	108684	89091	72115	57503	45000	34352	25307	
		P	29,40	28,58	27,74	26,87	25,06	23,15	21,14	19,01	16,77	14,4	
	50	Q	126130	114930	104466	94706	77173	62077	49165	38182	28875	20990	
		P	33,81	32,73	31,64	30,53	28,26	25,92	23,50	21,00	18,40	15,71	
HGX7/1620-4	30	Q	176654	161203	146809	133424	109484	88991	71553	56778	44276	33654	
		P	28,74	28,45	28,06	27,56	26,30	24,73	22,92	20,92	18,79	16,61	
HGX7/1620-4 S	40	Q	156630	142783	129901	117934	96552	78246	62623	49292	37862	27940	
		P	35,77	34,91	33,96	32,93	30,69	28,23	25,62	22,93	20,21	17,53	
	50	Q	136448	124231	112886	102364	83592	67524	53768	41933	31626	22457	
		P	42,12	40,70	39,22	37,69	34,51	31,21	27,86	24,53	21,26	18,13	
HGX7/1860-4	30	Q	202792	185054	168531	153166	125683	102158	82139	65179	50827	38633	
		P	32,99	32,66	32,21	31,64	30,19	28,39	26,31	24,01	21,57	19,07	
HGX7/1860-4 S	40	Q	179805	163909	149121	135384	110838	89823	71888	56585	43464	32074	
		P	41,07	40,07	38,98	37,81	35,23	32,40	29,41	26,32	23,20	20,13	
	50	Q	156636	142612	129589	117510	95960	77515	61724	48137	36305	25779	
		P	48,35	46,72	45,03	43,27	39,61	35,83	31,99	28,15	24,41	20,82	

Relating to 25 °C suction gas temperature
(HGX4 to 20 °C suction gas temperature)
without liquid subcooling

Motor version -S-
(more powerful motor)

Supplementary cooling or
reduced suction gas temp.

1
2
3
4



Excellence

Passion

Integrity

Responsibility

GEA-versity

GEA Group is a global mechanical engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX Europe 600 Index.



GEA Refrigeration Technologies

GEA Bock GmbH

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