

DANFOSS BOCK® HGX COMPRESSORS

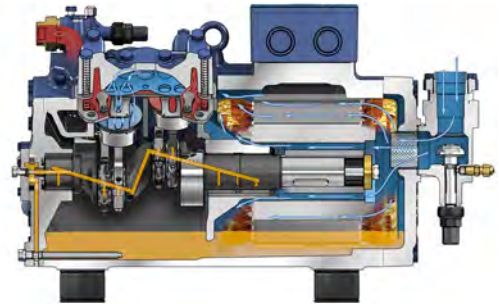


Semi-hermetic Compressors

The BOCK® HGX range of single-stage semi-hermetic compressors offer traditional suction-gas-cooled technology. These compressors are of the highest quality and excel with their easy maintenance, efficiency and reliability. There are seven family series of 2,4,6 & 8 cylinder compressors with multiple models in each family. (Family series: HGX12P, HGX22e, HGX34e, HGX44e, HGX56e, HGX66e & HGX88e)

Special features:

- Efficiency, reliability and the highest level of quality
- Service-friendly design (e.g. with replaceable drive motors)
- Oil pump lubrication
- Electronic motor protection
- Suitable for conventional or chlorine-free HFC refrigerants
ie: R134A, R404A, R507, R407A, R407C, R407F
R448A, R449A, R450A, R452A, R513A



For new advancements in efficiency BOCK® has now updated its entire semi-hermetic compressor range. The new models are marked with the letter “e” (= efficiency) and all offer decisive mechanical improvements such as more compact design and easier-to-use connections.

The entire range of gas-cooled commercial BOCK® compressors is now available in the new, optimised design. In addition to their uses in the fields of refrigeration and air-conditioning the new compressors are ideally suited for refrigeration in supermarkets.

They offer improved efficiency over their predecessors, greater displacement stages, a more compact structural design and a new configuration of connections.

To increase efficiency and reduce energy consumption the new models profit from a new and advanced valve plate system, electrical motors from the latest generation and enhanced gas flow.

The re-designed connections match the gas connections normally found in the sector to ensure that no adaptation work is necessary when the user invests in a replacement compressor.

The foot mountings of the new compressor likewise conform to sector standards.

Type key

HGX66e / 2070 - 4S

- Motor variant ⁴⁾
- Number of poles
- Swept volume
- e-series ³⁾
- Number of cylinders
- Size
- Ester oil filling ²⁾
- Series ¹⁾

- ¹⁾ HG = Hermetic Gas-cooled (suction gas-cooled)
- ²⁾ X = Ester oil filling (HFC refrigerants e.g. R134a, R404A, R448A, R449A)
- ³⁾ = Additional declaration for e-series compressors
- ⁴⁾ S = More powerful motor e.g. air-conditioning applications



DANFOSS BOCK® HGX COMPRESSORS

BOCK® HGX Semi-Hermetic Compressor Models

HGX12P Series – 2 Cylinder compressors

BOCK® Model	Displ m³/Hr
HGX12P/60-4 S	5.4
HGX12P/75-4	6.7
HGX12P/75-4 S	6.7
HGX12P/90-4	8.0
HGX12P/90-4 S	8.0
HGX12P/110-4	9.4
HGX12P/110-4 S	9.4



HGX22e Series – 2 Cylinder compressors

BOCK® Model	Displ m³/Hr
HGX22e/125-4	11.1
HGX22e/125-4 S	11.1
HGX22e/160-4	13.7
HGX22e/160-4 S	13.7
HGX22e/190-4	16.5
HGX22e/190-4 S	16.5



HGX34e Series – 4 Cylinder compressors

BOCK® Model	Displ m³/Hr
HGX34e/215-4	18.8
HGX34e/215-4 S	18.8
HGX34e/255-4	22.1
HGX34e/255-4 S	22.1
HGX34e/315-4	27.3
HGX34e/315-4 S	27.3
HGX34e/380-4	33.1
HGX34e/380-4 S	33.1



HGX44e Series – 4 Cylinder compressors

BOCK® Model	Displ m³/Hr
HGX44e/475-4	41.3
HGX44e/475-4 S	41.3
HGX44e/565-4	49.2
HGX44e/565-4 S	49.2
HGX44e/665-4	57.7
HGX44e/665-4 S	57.7
HGX44e/770-4	67.0
HGX44e/770-4 S	67.0



HGX56e Series – 6 Cylinder compressors

BOCK® Model	Displ m³/Hr
HGX56e/850-4	73.8
HGX56e/850-4 S	73.8
HGX56e/995-4	86.6
HGX56e/995-4 S	86.6
HGX56e/1155-4	100.4
HGX56e/1155-4 S	100.4



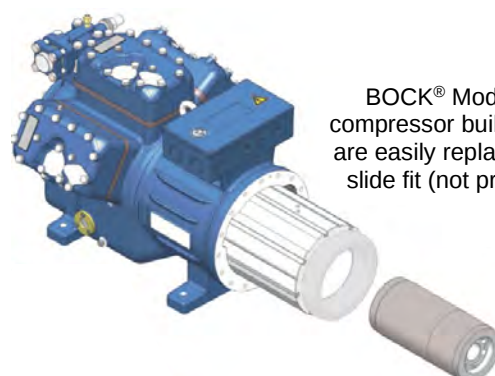
HGX66e Series – 6 Cylinder compressors

BOCK® Model	Displ m³/Hr
HGX66e/1340-4	116.5
HGX66e/1340-4 S	116.5
HGX66e/1540-4	133.8
HGX66e/1540-4 S	133.8
HGX66e/1750-4	152.2
HGX66e/1750-4 S	152.2
HGX66e/2070-4	180.0
HGX66e/2070-4 S	180.0



HGX88e Series – 8 Cylinder compressors

BOCK® Model	Displ m³/Hr
HGX88e/2400-4	209.1
HGX88e/2400-4 S	209.1
HGX88e/2735-4	237.9
HGX88e/2735-4 S	237.9
HGX88e/3235-4	281.3
HGX88e/3235-4 S	281.3



BOCK® Model HGX compressor built-in motors are easily replaced due to slide fit (not pressed fit)

DANFOSS BOCK® HGX COMPRESSORS

Some of BOCK® Compressors Features & Improved Technology

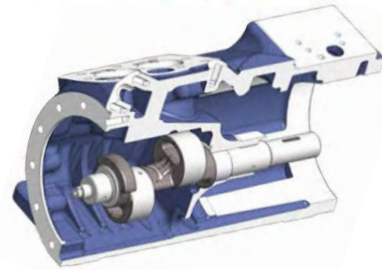
All compressors with Oil Pumps:

- Conventional single circuit lubricating system
- Oil pump lubrication independent of direction of rotation
- Minimized oil carryover
- Service-friendly oil strainer



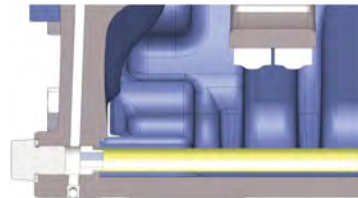
Optimised drive gear:

- Optimised drive gear with thrust washer, improving emergency-mode operation and resistance against damage in case of insufficient lubrication



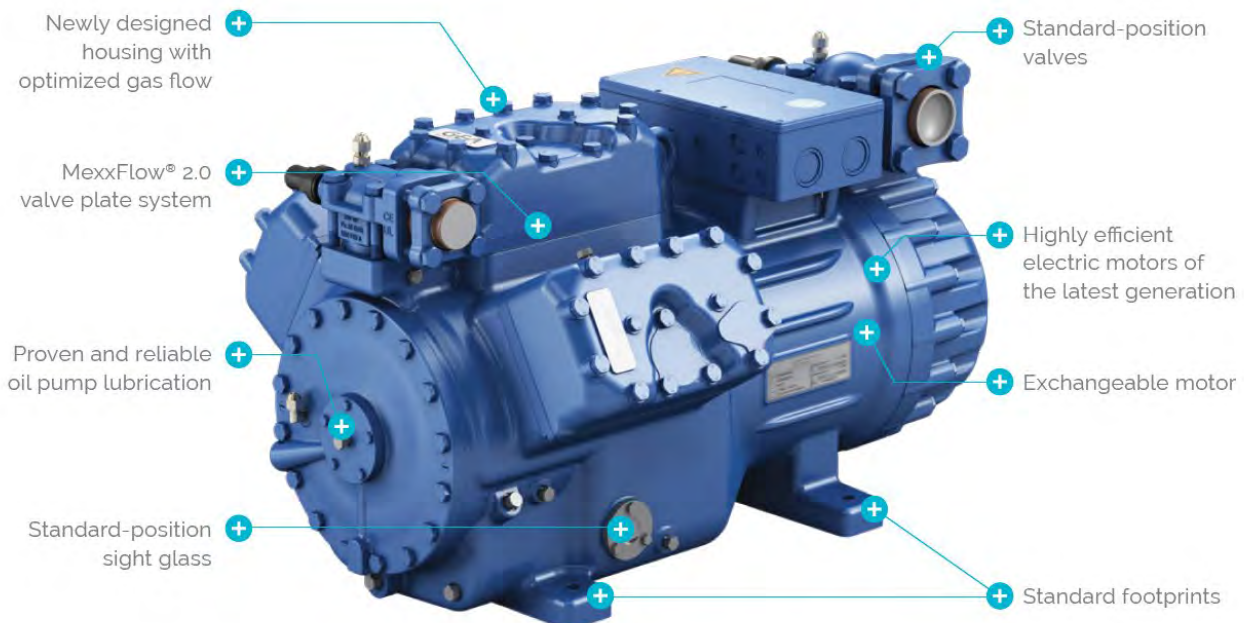
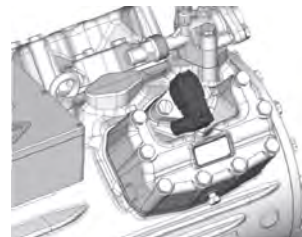
New, easy-to-maintain strainer:

- Easy-to-remove oil strainer for easier maintenance and increased availability



Digital Capacity Regulator DCR14 (for HG34e / HG44e / HG56e)

- Digital control with the possibility of high switching frequency
- Almost infinite capacity regulation
- Economical alternative to a frequency converter



DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Capacities - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>													
Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX12P/60-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 5.4 m³/Hr No of Cylinders: 2 **MWC: 3.9 amps Weight: 48 kg Oil Charge: 0.8 litres	W		-	4600	3800	3090	2480	1960	1520	1150	839	592	396
	P	45.0	-	1.58	1.52	1.43	1.32	1.2	1.08	0.96	0.83	0.71	0.6
	A		-	3.13	3.03	2.89	2.73	2.56	2.39	2.23	2.08	1.96	1.85
	W		-	4130	3400	2750	2200	1730	1330	994	722	503	330
	P	50.0	-	1.68	1.59	1.49	1.36	1.23	1.09	0.96	0.83	0.7	0.59
	A		-	3.29	3.15	2.98	2.79	2.6	2.41	2.24	2.08	1.95	1.84
	W		-	3670	3000	2410	1920	1500	1140	846	608	418	-
	P	55.0	-	1.77	1.66	1.54	1.4	1.25	1.1	0.96	0.82	0.69	-
	A		-	3.44	3.26	3.06	2.84	2.63	2.42	2.23	2.07	1.94	-
HGX12P/75-4 (⁽¹⁾ DOL (direct online) Displ: 6.7 m³/Hr No of Cylinders: 2 **MWC: 4.1 amps Weight: 48 kg Oil Charge: 0.8 litres	W		-	-	4890	4030	3280	2630	2080	1610	1230	908	654
	P	45.0	-	-	1.93	1.82	1.7	1.56	1.41	1.25	1.1	0.95	0.81
	A		-	-	3.7	3.53	3.32	3.1	2.86	2.63	2.42	2.23	2.07
	W		-	-	4430	3640	2950	2360	1860	1440	1090	805	577
	P	50.0	-	-	2.04	1.92	1.77	1.62	1.45	1.28	1.12	0.96	0.82
	A		-	-	3.9	3.69	3.44	3.19	2.92	2.67	2.44	2.24	2.07
	W		-	-	-	3250	2630	2090	1640	1270	956	705	-
	P	55.0	-	-	-	2	1.84	1.67	1.49	1.31	1.13	0.97	-
	A		-	-	-	3.83	3.56	3.27	2.98	2.71	2.46	2.25	-
HGX12P/75-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 6.7 m³/Hr No of Cylinders: 2 **MWC: 4.6 amps Weight: 49 kg Oil Charge: 0.8 litres	W		-	5800	4830	3970	3230	2590	2040	1570	1190	859	596
	P	45.0	-	2.03	1.95	1.83	1.7	1.55	1.39	1.23	1.07	0.92	0.78
	A		-	3.8	3.68	3.53	3.36	3.18	3	2.83	2.67	2.54	2.44
	W		-	5240	4350	3570	2890	2310	1810	1390	1050	751	513
	P	50.0	-	2.16	2.05	1.91	1.75	1.59	1.41	1.24	1.07	0.92	0.77
	A		-	3.98	3.82	3.63	3.43	3.22	3.02	2.84	2.67	2.54	2.43
	W		-	4690	3880	3170	2560	2040	1590	1220	904	646	-
	P	55.0	-	2.27	2.13	1.97	1.79	1.61	1.42	1.24	1.06	0.9	-
	A		-	4.13	3.93	3.7	3.47	3.24	3.03	2.83	2.67	2.53	-
HGX12P/90-4 (⁽¹⁾ DOL (direct online) Displ: 8.0 m³/Hr No of Cylinders: 2 **MWC: 4.9 amps Weight: 49 kg Oil Charge: 0.8 litres	W		-	-	5680	4690	3810	3060	2410	1860	1400	1020	712
	P	45.0	-	-	2.29	2.13	1.96	1.78	1.6	1.41	1.22	1.04	0.87
	A		-	-	4.16	3.94	3.7	3.47	3.24	3.02	2.82	2.65	2.5
	W		-	-	5140	4220	3420	2730	2140	1640	1230	886	611
	P	50.0	-	-	2.43	2.25	2.05	1.85	1.64	1.44	1.23	1.04	0.86
	A		-	-	4.36	4.09	3.82	3.55	3.29	3.05	2.83	2.65	2.49
	W		-	-	-	3770	3040	2410	1880	1430	1070	760	-
	P	55.0	-	-	-	2.36	2.14	1.91	1.68	1.46	1.24	1.04	-
	A		-	-	-	4.25	3.94	3.63	3.34	3.07	2.84	2.64	-
HGX12P/90-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 8.0 m³/Hr No of Cylinders: 2 **MWC: 5.3 amps Weight: 49 kg Oil Charge: 0.8 litres	W		-	6940	5780	4760	3880	3120	2470	1920	1460	1080	765
	P	45.0	-	2.42	2.32	2.18	2.02	1.85	1.67	1.48	1.29	1.11	0.94
	A		-	4.47	4.33	4.17	3.98	3.78	3.59	3.4	3.23	3.08	2.96
	W		-	6280	5220	4290	3480	2790	2200	1710	1300	949	670
	P	50.0	-	2.6	2.46	2.29	2.11	1.92	1.71	1.51	1.31	1.11	0.94
	A		-	4.7	4.52	4.31	4.08	3.86	3.64	3.43	3.25	3.09	2.96
	W		-	5630	4660	3810	3090	2470	1940	1500	1140	828	-
	P	55.0	-	2.77	2.6	2.41	2.2	1.98	1.76	1.54	1.33	1.13	-
	A		-	4.94	4.7	4.45	4.19	3.93	3.68	3.46	3.26	3.1	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/Y-3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Capacities - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>													
Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX12P/110-4 (⁽¹⁾ DOL (direct online) Displ: 9.4 m³/Hr No of Cylinders: 2 **MWC: 5.3 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	-	6720	5570	4570	3700	2950	2310	1760	1310	931
	P		-	-	2.79	2.61	2.4	2.17	1.94	1.7	1.47	1.25	1.05
	A		-	-	4.89	4.62	4.31	3.99	3.67	3.36	3.08	2.85	2.65
	W	50.0	-	-	6060	5020	4100	3310	2620	2040	1550	1150	804
	P		-	-	2.96	2.73	2.49	2.24	1.98	1.73	1.48	1.25	1.05
	A		-	-	5.14	4.81	4.45	4.09	3.73	3.4	3.1	2.85	2.65
	W	55.0	-	-	-	4450	3620	2910	2300	1780	1350	980	-
	P		-	-	-	2.85	2.58	2.3	2.03	1.75	1.5	1.26	-
	A		-	-	-	4.98	4.58	4.18	3.79	3.43	3.12	2.86	-
HGX12P/110-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 9.4 m³/Hr No of Cylinders: 2 **MWC: 6.1 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	8010	6690	5530	4510	3630	2880	2240	1700	1250	881
	P		-	2.83	2.7	2.54	2.36	2.15	1.93	1.7	1.47	1.24	1.03
	A		-	5.02	4.85	4.63	4.39	4.13	3.87	3.62	3.39	3.19	3.02
	W	50.0	-	7220	6010	4940	4020	3230	2550	1980	1490	1090	755
	P		-	3.05	2.88	2.69	2.47	2.23	1.98	1.73	1.48	1.23	1.0
	A		-	5.33	5.09	4.82	4.53	4.23	3.93	3.65	3.4	3.18	3.0
	W	55.0	-	6410	5310	4360	3530	2820	2220	1710	1290	929	-
	P		-	3.26	3.06	2.82	2.57	2.31	2.03	1.75	1.48	1.22	-
	A		-	5.64	5.34	5.01	4.67	4.32	3.99	3.68	3.4	3.17	-
HGX22e/125-4 (⁽¹⁾ DOL (direct online) Displ: 11.1 m³/Hr No of Cylinders: 2 **MWC: 5.4 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	-	8190	6780	5510	4380	3400	2560	1860	1300	863
	P		-	-	2.89	2.72	2.52	2.29	2.04	1.79	1.53	1.28	1.05
	A		-	-	5.27	5.04	4.78	4.49	4.21	3.93	3.68	3.47	3.29
	W	50.0	-	-	7390	6080	4910	3880	2990	2230	1610	1110	749
	P		-	-	3.05	2.84	2.6	2.34	2.07	1.8	1.53	1.27	1.03
	A		-	-	5.49	5.2	4.88	4.56	4.24	3.95	3.68	3.46	3.28
	W	55.0	-	-	-	5370	4300	3370	2570	1900	1350	935	-
	P		-	-	-	2.94	2.66	2.38	2.08	1.79	1.51	1.25	-
	A		-	-	-	5.33	4.97	4.6	4.26	3.94	3.67	3.44	-
HGX22e/125-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 11.1 m³/Hr No of Cylinders: 2 **MWC: 6.2 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	9770	8190	6770	5500	4370	3400	2560	1870	1310	875
	P		-	2.99	2.87	2.7	2.5	2.28	2.04	1.8	1.56	1.33	1.13
	A		-	5.4	5.23	5.01	4.76	4.49	4.21	3.95	3.71	3.51	3.35
	W	50.0	-	8860	7390	6070	4900	3870	2980	2230	1610	1120	759
	P		-	3.2	3.03	2.82	2.59	2.34	2.08	1.82	1.57	1.34	1.14
	A		-	5.69	5.46	5.18	4.87	4.56	4.25	3.97	3.72	3.52	3.36
	W	55.0	-	7920	6570	5360	4290	3360	2560	1890	1360	939	-
	P		-	3.37	3.16	2.92	2.65	2.37	2.09	1.82	1.56	1.33	-
	A		-	5.94	5.64	5.3	4.95	4.6	4.27	3.97	3.72	3.51	-
HGX22e/160-4 (⁽¹⁾ DOL (direct online) Displ: 13.7 m³/Hr No of Cylinders: 2 **MWC: 6.4 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	-	10000	8330	6820	5480	4300	3280	2410	1700	1140
	P		-	-	3.58	3.35	3.1	2.83	2.53	2.23	1.92	1.62	1.33
	A		-	-	6.24	5.92	5.56	5.18	4.8	4.42	4.08	3.77	3.51
	W	50.0	-	-	9020	7480	6090	4860	3790	2860	2090	1460	972
	P		-	-	3.79	3.51	3.22	2.9	2.58	2.25	1.92	1.6	1.3
	A		-	-	6.55	6.15	5.72	5.29	4.86	4.45	4.08	3.76	3.49
	W	55.0	-	-	-	6620	5360	4250	3280	2460	1780	1240	-
	P		-	-	-	3.64	3.31	2.96	2.6	2.25	1.9	1.57	-
	A		-	-	-	6.34	5.85	5.36	4.88	4.45	4.06	3.72	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX22e/160-4 S (S = larger motor)	W		-	12200	10200	8370	6770	5360	4140	3100	2250	1570	1060
	P	45.0	-	3.68	3.53	3.33	3.08	2.79	2.49	2.18	1.87	1.57	1.3
	A		-	6.52	6.31	6.04	5.72	5.38	5.02	4.67	4.34	4.04	3.79
⁽¹⁾ DOL (direct online) Displ: 13.7 m³/Hr No of Cylinders: 2	W		-	11100	9150	7490	6010	4730	3620	2700	1940	1350	923
	P	50.0	-	3.93	3.73	3.47	3.18	2.86	2.53	2.2	1.87	1.57	1.29
	A		-	6.86	6.57	6.23	5.86	5.46	5.07	4.69	4.34	4.04	3.78
**MWC: 7.6 amps Weight: 75 kg Oil Charge: 1.1 litres	W		-	9810	8100	6580	5250	4090	3110	2290	1640	1150	-
	P	55.0	-	4.14	3.88	3.58	3.25	2.9	2.55	2.2	1.86	1.55	-
	A		-	7.14	6.79	6.38	5.95	5.51	5.08	4.68	4.32	4.02	-
HGX22e/190-4	W		-	-	12300	10200	8330	6730	5340	4160	3160	2320	1620
	P	45.0	-	-	4.42	4.17	3.87	3.54	3.18	2.8	2.42	2.03	1.65
	A		-	-	7.5	7.13	6.68	6.19	5.67	5.15	4.65	4.2	3.8
⁽¹⁾ DOL (direct online) Displ: 16.5 m³/Hr No of Cylinders: 2	W		-	-	11100	9150	7460	6000	4750	3680	2780	2020	1390
	P	50.0	-	-	4.71	4.4	4.06	3.68	3.27	2.85	2.43	2.01	1.61
	A		-	-	7.94	7.48	6.96	6.39	5.8	5.22	4.67	4.18	3.76
**MWC: 8.0 amps Weight: 73 kg Oil Charge: 1.1 litres	W		-	-	-	8120	6590	5280	4160	3200	2400	1730	-
	P	55.0	-	-	-	4.62	4.22	3.8	3.35	2.89	2.43	1.98	-
	A		-	-	-	7.81	7.21	6.57	5.91	5.27	4.67	4.14	-
HGX22e/190-4 S (S = larger motor)	W		-	14900	12500	10300	8390	6750	5350	4150	3150	2310	1620
	P	45.0	-	4.59	4.38	4.12	3.82	3.49	3.13	2.76	2.39	2.03	1.68
	A		-	7.79	7.49	7.12	6.7	6.26	5.8	5.34	4.9	4.5	4.14
⁽¹⁾ DOL (direct online) Displ: 16.5 m³/Hr No of Cylinders: 2	W		-	13500	11300	9240	7510	6020	4740	3660	2750	2000	1380
	P	50.0	-	4.92	4.65	4.34	3.98	3.6	3.21	2.8	2.4	2.01	1.65
	A		-	8.27	7.88	7.42	6.93	6.41	5.89	5.39	4.92	4.49	4.11
**MWC: 9.4 amps Weight: 75 kg Oil Charge: 1.1 litres	W		-	12100	10100	8190	6620	5270	4120	3150	2340	1670	-
	P	55.0	-	5.23	4.9	4.52	4.12	3.7	3.26	2.82	2.39	1.98	-
	A		-	8.73	8.23	7.69	7.12	6.53	5.96	5.41	4.9	4.45	-
HGX34e/215-4	W		-	-	13500	11000	8820	6940	5320	3950	2820	1920	1230
	P	45.0	-	-	4.81	4.49	4.11	3.67	3.21	2.74	2.28	1.84	1.45
	A		-	-	8.11	7.65	7.1	6.51	5.9	5.31	4.77	4.31	3.93
⁽¹⁾ DOL (direct online) Displ: 18.8 m³/Hr No of Cylinders: 4	W		-	-	12100	9770	7800	6090	4630	3420	2420	1630	1040
	P	50.0	-	-	5.05	4.67	4.23	3.75	3.25	2.74	2.26	1.81	1.42
	A		-	-	8.46	7.9	7.27	6.6	5.94	5.31	4.75	4.28	3.9
**MWC: 8.1 amps Weight: 91.0 kg Oil Charge: 1.3 litres	W		-	-	-	8510	6740	5220	3930	2870	2010	1350	-
	P	55.0	-	-	-	4.78	4.29	3.76	3.23	2.7	2.2	1.74	-
	A		-	-	-	8.06	7.35	6.62	5.92	5.26	4.69	4.21	-
HGX34e/215-4 S (S = larger motor)	W		-	16700	13800	11200	8910	7010	5410	4070	2960	2060	1340
	P	45.0	-	5.01	4.75	4.43	4.08	3.69	3.27	2.85	2.42	2	1.61
	A		-	9.23	8.9	8.51	8.08	7.63	7.18	6.74	6.32	5.95	5.62
⁽¹⁾ DOL (direct online) Displ: 18.8 m³/Hr No of Cylinders: 4	W		-	15000	12200	9840	7820	6110	4680	3490	2520	1740	1110
	P	50.0	-	5.33	4.99	4.61	4.19	3.74	3.29	2.83	2.37	1.94	1.54
	A		-	9.64	9.2	8.72	8.21	7.7	7.19	6.72	6.28	5.89	5.56
**MWC: 10.5 amps Weight: 97 kg Oil Charge: 1.3 litres	W		-	13200	10700	8540	6730	5200	3940	2910	2080	1420	-
	P	55.0	-	5.62	5.2	4.75	4.27	3.77	3.27	2.78	2.3	1.85	-
	A		-	10.1	9.48	8.9	8.31	7.73	7.18	6.67	6.21	5.82	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX34e/255-4 (⁽¹⁾ DOL (direct online) Displ: 22.1 m³/Hr No of Cylinders: 4 **MWC: 9.8 amps Weight: 91 kg Oil Charge: 1.3 litres	W		-	-	15800	13100	10600	8450	6590	5000	3670	2590	1750
	P	45.0	-	-	5.83	5.43	4.97	4.47	3.95	3.41	2.87	2.35	1.87
	A		-	-	9.62	9.03	8.35	7.62	6.87	6.15	5.47	4.86	4.34
	W		-	-	14200	11700	9410	7450	5760	4330	3150	2200	1480
	P	50.0	-	-	6.16	5.68	5.15	4.58	4	3.41	2.84	2.3	1.8
	A		-	-	10.2	9.4	8.6	7.77	6.94	6.15	5.43	4.8	4.27
	W		-	-	-	10300	8210	6440	4930	3670	2640	1830	-
	P	55.0	-	-	-	5.87	5.27	4.64	4	3.38	2.77	2.21	-
	A		-	-	-	9.69	8.78	7.86	6.95	6.11	5.35	4.7	-
HGX34e/255-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 22.1 m³/Hr No of Cylinders: 4 **MWC: 12.2 amps Weight: 97 kg Oil Charge: 1.3 litres	W		-	19800	16300	13300	10700	8380	6450	4830	3520	2470	1670
	P	45.0	-	6.01	5.72	5.34	4.89	4.4	3.88	3.35	2.83	2.33	1.88
	A		-	10.6	10.2	9.66	9.08	8.47	7.86	7.26	6.72	6.24	5.85
	W		-	17700	14600	11800	9400	7350	5610	4170	3010	2100	1410
	P	50.0	-	6.4	6.02	5.57	5.05	4.5	3.93	3.36	2.8	2.28	1.81
	A		-	11.1	10.6	9.96	9.29	8.59	7.91	7.27	6.69	6.19	5.78
	W		-	15700	12800	10300	8150	6320	4790	3530	2530	1760	-
	P	55.0	-	6.75	6.29	5.76	5.18	4.57	3.95	3.34	2.75	2.21	-
	A		-	11.6	11.0	10.3	9.45	8.68	7.94	7.25	6.64	6.13	-
HGX34e/315-4 (⁽¹⁾ DOL (direct online) Displ: 27.3 m³/Hr No of Cylinders: 4 **MWC: 12.2 amps Weight: 93 kg Oil Charge: 1.3 litres	W		-	-	19500	16200	13300	10700	8370	6410	4750	3360	2240
	P	45.0	-	-	7.13	6.65	6.11	5.51	4.88	4.23	3.58	2.93	2.32
	A		-	-	11.9	11.1	10.4	9.46	8.58	7.72	6.9	6.15	5.48
	W		-	-	17500	14500	11800	9430	7370	5600	4100	2840	1820
	P	50.0	-	-	7.55	6.97	6.34	5.67	4.96	4.25	3.54	2.85	2.2
	A		-	-	12.5	11.6	10.7	9.67	8.7	7.75	6.86	6.06	5.36
	W		-	-	-	12800	10400	8210	6360	4770	3420	2290	-
	P	55.0	-	-	-	7.25	6.53	5.78	5	4.23	3.46	2.73	-
	A		-	-	-	12.0	11.0	9.83	8.75	7.72	6.77	5.92	-
HGX34e/315-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 27.3 m³/Hr No of Cylinders: 4 **MWC: 14.7 amps Weight: 96 kg Oil Charge: 1.3 litres	W		-	23900	19900	16400	13300	10700	8320	6360	4710	3320	2170
	P	45.0	-	7.43	7.01	6.54	6.02	5.45	4.85	4.23	3.59	2.94	2.3
	A		-	12.6	12	11.3	10.6	9.8	9.02	8.26	7.52	6.83	6.21
	W		-	21500	17800	14600	11800	9370	7290	5530	4040	2780	1720
	P	50.0	-	7.9	7.39	6.84	6.23	5.59	4.92	4.23	3.54	2.84	2.15
	A		-	13.3	12.6	11.8	10.9	9.99	9.12	8.27	7.46	6.73	6.07
	W		-	19000	15700	12800	10300	8100	6250	4680	3350	2230	-
	P	55.0	-	8.32	7.73	7.08	6.4	5.68	4.94	4.19	3.43	2.67	-
	A		-	13.9	13.1	12.1	11.1	10.2	9.14	8.21	7.35	6.57	-
HGX34e/380-4 (⁽¹⁾ DOL (direct online) Displ: 33.1 m³/Hr No of Cylinders: 4 **MWC: 15.1 amps Weight: 96 kg Oil Charge: 1.3 litres	W		-	-	23600	19600	16000	12900	10200	7900	5970	4360	3030
	P	45.0	-	-	8.94	8.3	7.6	6.86	6.08	5.28	4.48	3.69	2.93
	A		-	-	14.6	13.6	12.6	11.5	10.3	9.13	8.05	7.04	6.14
	W		-	-	21300	17600	14300	11500	9030	6960	5210	3760	2550
	P	50.0	-	-	9.48	8.73	7.92	7.08	6.22	5.34	4.47	3.62	2.81
	A		-	-	15.4	14.3	13	11.8	10.5	9.22	8.03	6.96	6.01
	W		-	-	-	15600	12600	10100	7880	6020	4460	3150	-
	P	55.0	-	-	-	9.11	8.2	7.26	6.31	5.35	4.41	3.5	-
	A		-	-	-	14.8	13.5	12.1	10.6	9.23	7.96	6.81	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
	Condensing Temperature °C												
	Evaporating Temperature °C												
	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40		
HGX34e/380-4 S (S = larger motor)	W		-	28900	24200	20100	16500	13300	10600	8180	6190	4490	3070
	P	45.0	-	9.25	8.73	8.13	7.47	6.75	6	5.22	4.44	3.68	2.93
	A		-	15.3	14.6	13.7	12.7	11.6	10.6	9.5	8.52	7.62	6.83
⁽¹⁾ DOL (direct online) Displ: 33.1 m³/Hr No of Cylinders: 4	W		-	26000	21800	18000	14700	11800	9330	7210	5390	3840	2510
	P	50.0	-	9.86	9.23	8.53	7.76	6.96	6.13	5.28	4.44	3.62	2.83
	A		-	16.3	15.3	14.2	13.1	11.9	10.8	9.58	8.52	7.55	6.72
**MWC: 18.0 amps Weight: 96 kg Oil Charge: 1.3 litres	W		-	23100	19300	15900	13000	10400	8140	6230	4590	3180	-
	P	55.0	-	10.4	9.66	8.86	8.0	7.11	6.2	5.29	4.38	3.5	-
	A		-	17.1	16.0	14.7	13.5	12.2	10.9	9.59	8.44	7.43	-
HGX44e/475-4	W		-	-	31200	25700	21000	17000	13500	10600	7990	5830	3950
	P	45.0	-	-	10.3	9.74	9.01	8.2	7.34	6.45	5.56	4.69	3.88
	A		-	-	17.6	16.7	15.6	14.5	13.3	12.2	11.1	10.1	9.2
⁽²⁾ PWS (part wind start) Displ: 41.3 m³/Hr No of Cylinders: 4	W		-	-	28100	23100	18800	15100	12000	9260	6970	5000	3270
	P	50.0	-	-	11	10.2	9.41	8.49	7.55	6.59	5.65	4.76	3.94
	A		-	-	18.6	17.4	16.2	14.9	13.6	12.4	11.2	10.2	9.26
**MWC: 19.0 amps Weight: 165 kg Oil Charge: 2.7 litres	W		-	-	-	20400	16600	13200	10400	8000	5960	4190	-
	P	55.0	-	-	-	10.7	9.77	8.77	7.74	6.73	5.76	4.86	-
	A		-	-	-	18.2	16.7	15.3	13.9	12.5	11.4	10.3	-
HGX44e/475-4 S (S = larger motor)	W		-	37900	31500	26000	21200	17100	13600	10600	8010	5830	3940
	P	45.0	-	10.7	10.3	9.72	9.02	8.23	7.38	6.51	5.63	4.77	3.96
	A		-	19.4	18.8	18	17.1	16.2	15.2	14.2	13.3	12.5	11.8
⁽²⁾ PWS (part wind start) Displ: 41.3 m³/Hr No of Cylinders: 4	W		-	34300	28500	23400	19000	15200	12100	9300	6980	5000	3260
	P	50.0	-	11.5	10.9	10.2	9.4	8.51	7.58	6.64	5.72	4.84	4.02
	A		-	20.5	19.6	18.7	17.6	16.5	15.4	14.4	13.4	12.5	11.8
**MWC: 23.0 amps Weight: 170 kg Oil Charge: 2.7 litres	W		-	30700	25300	20700	16700	13400	10500	8030	5960	4170	-
	P	55.0	-	12.3	11.5	10.6	9.75	8.77	7.77	6.78	5.83	4.93	-
	A		-	21.5	20.5	19.3	18.1	16.8	15.6	14.5	13.5	12.6	-
HGX44e/565-4	W		-	-	37000	30600	25100	20400	16300	12800	9820	7250	5000
	P	45.0	-	-	12.4	11.6	10.7	9.81	8.76	7.68	6.61	5.56	4.59
	A		-	-	20.8	19.6	18.2	16.8	15.3	13.8	12.4	11.1	9.96
⁽²⁾ PWS (part wind start) Displ: 49.2 m³/Hr No of Cylinders: 4	W		-	-	33400	27500	22500	18200	14500	11400	8620	6270	4180
	P	50.0	-	-	13.2	12.3	11.2	10.1	9.01	7.85	6.72	5.64	4.66
	A		-	-	22.1	20.6	19.0	17.3	15.6	14.0	12.5	11.2	10.1
**MWC: 22.0 amps Weight: 166 kg Oil Charge: 2.7 litres	W		-	-	-	24400	19900	16000	12700	9850	7430	5300	-
	P	55.0	-	-	-	12.9	11.7	10.4	9.25	8.03	6.85	5.76	-
	A		-	-	-	21.6	19.7	17.8	16	14.2	12.7	11.3	-
HGX44e/565-4 S (S = larger motor)	W		-	45400	37900	31300	25600	20700	16500	13000	9880	7260	4980
	P	45.0	-	12.7	12.2	11.5	10.7	9.77	8.76	7.72	6.68	5.66	4.69
	A		-	22.4	21.6	20.7	19.7	18.5	17.4	16.2	15.1	14.2	13.3
⁽²⁾ PWS (part wind start) Displ: 49.2 m³/Hr No of Cylinders: 4	W		-	41200	34200	28200	23000	18500	14700	11500	8660	6270	4170
	P	50.0	-	13.7	13	12.1	11.1	10.1	9	7.88	6.79	5.74	4.77
	A		-	23.6	22.6	21.5	20.2	18.9	17.6	16.4	15.3	14.2	13.4
**MWC: 26.0 amps Weight: 173 kg Oil Charge: 2.7 litres	W		-	37000	30600	25000	20300	16300	12900	9930	7450	5290	-
	P	55.0	-	14.6	13.7	12.6	11.5	10.4	9.23	8.05	6.92	5.85	-
	A		-	24.9	23.6	22.2	20.8	19.3	17.9	16.6	15.4	14.3	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Capacities - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>													
Airefrig Part Number (BOCK model No.)			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX44e/665-4 (²) PWS (part wind start) Displ: 57.7 m³/Hr No of Cylinders: 4 **MWC: 26.0 amps Weight: 174 kg Oil Charge: 2.7 litres	W		-	-	43300	35700	29100	23500	18600	14500	11000	7990	5390
	P	45.0	-	-	14.4	13.6	12.6	11.4	10.2	9.03	7.78	6.56	5.42
	A		-	-	24.7	23.5	22	20.4	18.7	17.1	15.6	14.3	13.1
	W		-	-	38900	32000	26000	20900	16500	12800	9570	6840	4440
	P	50.0	-	-	15.4	14.3	13.1	11.8	10.5	9.22	7.91	6.66	5.51
	A		-	-	26.2	24.5	22.8	20.9	19.1	17.4	15.8	14.4	13.2
	W		-	-	-	28300	22900	18200	14300	11000	8140	5690	-
	P	55.0	-	-	-	15	13.6	12.2	10.8	9.43	8.07	6.8	-
	A		-	-	-	25.6	23.5	21.5	19.5	17.6	16	14.5	-
HGX44e/665-4 S (S = larger motor) (²) PWS (part wind start) Displ: 57.7 m³/Hr No of Cylinders: 4 **MWC: 30.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W		-	52500	43700	36000	29300	23600	18800	14600	11100	8000	5380
	P	45.0	-	15	14.3	13.5	12.5	11.4	10.2	9.02	7.79	6.58	5.45
	A		-	25.5	24.6	23.4	22.0	20.6	19.1	17.7	16.3	15.1	14
	W		-	47500	39300	32300	26200	21000	16600	12800	9590	6840	4430
	P	50.0	-	16.1	15.3	14.2	13.1	11.8	10.5	9.22	7.92	6.68	5.53
	A		-	27.1	25.9	24.4	22.8	21.1	19.5	17.9	16.4	15.1	14.1
	W		-	42400	35000	28600	23100	18400	14400	11100	8150	5680	-
	P	55.0	-	17.2	16.1	14.9	13.6	12.2	10.8	9.42	8.07	6.81	-
	A		-	28.7	27.1	25.3	23.4	21.6	19.8	18.1	16.6	15.3	-
HGX44e/770-4 (²) PWS (part wind start) Displ: 67 m³/Hr No of Cylinders: 4 **MWC: 30.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W		-	-	50700	41900	34300	27700	22100	17300	13200	9700	6640
	P	45.0	-	-	16.7	15.7	14.5	13.2	11.8	10.4	9	7.59	6.27
	A		-	-	28	26.5	24.8	23	21.2	19.3	17.6	16.1	14.7
	W		-	-	45700	37600	30700	24700	19600	15300	11600	8360	5530
	P	50.0	-	-	17.8	16.5	15.2	13.7	12.2	10.6	9.15	7.7	6.37
	A		-	-	29.6	27.8	25.7	23.7	21.6	19.6	17.8	16.2	14.8
	W		-	-	-	33400	27100	21700	17200	13300	9910	7020	-
	P	55.0	-	-	-	17.3	15.8	14.1	12.5	10.9	9.33	7.86	-
	A		-	-	-	28.9	26.6	24.3	22	19.9	18	16.4	-
HGX44e/770-4 S (S = larger motor) (²) PWS (part wind start) Displ: 67 m³/Hr No of Cylinders: 4 **MWC: 35.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W		-	60800	50700	41900	34300	27700	22100	17300	13200	9700	6640
	P	45.0	-	17.5	16.7	15.7	14.5	13.2	11.8	10.4	9.0	7.59	6.27
	A		-	29.2	28	26.5	24.8	23.0	21.2	19.3	17.6	16.1	14.7
	W		-	55100	45700	37600	30700	24700	19600	15300	11600	8360	5530
	P	50.0	-	18.8	17.8	16.5	15.2	13.7	12.2	10.6	9.15	7.7	6.37
	A		-	31.3	29.6	27.8	25.7	23.7	21.6	19.6	17.8	16.2	14.8
	W		-	49300	40700	33400	27100	21700	17200	13300	9910	7020	-
	P	55.0	-	20.0	18.8	17.3	15.8	14.1	12.5	10.9	9.33	7.86	-
	A		-	33.2	31.2	28.9	26.6	24.3	22.0	19.9	18.0	16.4	-
HGX56e/850-4 (²) PWS (part wind start) Displ: 73.8 m³/Hr No of Cylinders: 6 **MWC: 32.6 amps Weight: 194 kg Oil Charge: 3.2 litres	W		-	-	55600	46000	37700	30600	24500	19300	14800	10900	7500
	P	45.0	-	-	18.4	17.3	16.0	14.6	13.1	11.5	9.92	8.36	6.89
	A		-	-	30.7	29.0	27.0	24.9	22.8	20.7	18.7	16.9	15.4
	W		-	-	50100	41300	33800	27300	21800	17000	13000	9410	6280
	P	50.0	-	-	19.6	18.3	16.8	15.1	13.4	11.7	10.0	8.48	7.0
	A		-	-	32.6	30.4	28.1	25.7	23.3	21.0	18.9	17.0	15.5
	W		-	-	-	36600	29800	24000	19100	14800	11200	7950	-
	P	55.0	-	-	-	19.1	17.4	15.6	13.8	12.0	10.2	8.66	-
	A		-	-	-	31.8	29.1	26.4	23.8	21.3	19.1	17.2	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Capacities - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>													
Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX56e/850-4 S (S = larger motor)	W		-	67600	56300	46600	38100	30900	24700	19400	14800	10900	7450
	P	45.0	-	19.2	18.3	17.3	16	14.6	13	11.5	9.95	8.42	6.97
	A		-	32.9	31.7	30.2	28.4	26.5	24.6	22.7	20.9	19.2	17.8
⁽²⁾ PWS (part wind start) Displ: 73.8 m³/Hr No of Cylinders: 6	W		-	61200	50900	41900	34200	27600	22000	17100	13000	9400	6230
	P	50.0	-	20.6	19.5	18.2	16.7	15.1	13.4	11.7	10.1	8.54	7.08
	A		-	35	33.4	31.5	29.4	27.2	25	23	21.1	19.4	17.9
**MWC: 39.4 amps Weight: 211 kg Oil Charge: 3.2 litres	W		-	54800	45400	37200	30200	24300	19200	14900	11200	7910	-
	P	55.0	-	21.9	20.6	19	17.3	15.5	13.8	12	10.3	8.71	-
	A		-	37.1	35	32.7	30.3	27.8	25.5	23.3	21.3	19.6	-
HGX56e/995-4 ⁽²⁾ PWS (part wind start) Displ: 86.6 m³/Hr No of Cylinders: 6 **MWC: 38.9 amps Weight: 209 kg Oil Charge: 3.2 litres	W		-	-	65600	54200	44300	35700	28200	21800	16300	11600	7610
	P	45.0	-	-	21.8	20.3	18.7	17	15.2	13.2	11.2	9.08	6.86
	A		-	-	36.9	34.6	32.3	29.8	27.3	24.8	22.3	20	17.7
	W		-	-	59000	48600	39500	31700	24900	19100	14100	9800	6130
	P	50.0	-	-	23.1	21.4	19.6	17.6	15.5	13.4	11.1	8.75	6.3
	A		-	-	38.9	36.2	33.5	30.7	27.8	25	22.2	19.6	17.2
	W		-	-	-	42900	34700	27700	21600	16400	11900	8030	-
	P	55.0	-	-	-	22.3	20.2	18	15.7	13.3	10.8	8.18	-
	A		-	-	-	37.6	34.4	31.2	28	24.9	21.9	19	-
HGX56e/995-4 S (S = larger motor) ⁽²⁾ PWS (part wind start) Displ: 86.6 m³/Hr No of Cylinders: 6 **MWC: 46.4 amps Weight: 211 kg Oil Charge: 3.2 litres	W		-	79000	66000	54500	44500	35800	28300	21800	16300	11600	7610
	P	45.0	-	23.1	21.8	20.3	18.7	17	15.2	13.2	11.2	9.1	6.88
	A		-	39.7	37.8	35.8	33.6	31.4	29.2	26.9	24.7	22.6	20.6
	W		-	71400	59400	48900	39700	31800	25000	19100	14100	9810	6140
	P	50.0	-	24.6	23.0	21.4	19.5	17.6	15.5	13.4	11.1	8.77	6.32
	A		-	41.9	39.6	37.2	34.7	32.2	29.6	27.1	24.6	22.3	20.2
	W		-	63700	52800	43200	34900	27800	21700	16400	11900	8030	-
	P	55.0	-	25.9	24.2	22.2	20.2	18	15.7	13.3	10.8	8.2	-
	A		-	43.9	41.2	38.4	35.6	32.7	29.8	27	24.3	21.8	-
HGX56e/1155-4 ⁽²⁾ PWS (part wind start) Displ: 100.4 m³/Hr No of Cylinders: 6 **MWC: 46.9 amps Weight: 212 kg Oil Charge: 3.2 litres	W		-	-	75700	62500	51100	41400	33000	25900	19800	14600	9930
	P	45.0	-	-	26.2	24.7	22.8	20.8	18.6	16.3	14.0	11.8	9.76
	A		-	-	44.3	42.0	39.3	36.4	33.4	30.5	27.8	25.3	23.2
	W		-	-	68200	56200	45800	36900	29300	22900	17300	12500	8270
	P	50.0	-	-	27.9	26	23.8	21.5	19.1	16.6	14.2	12.0	9.91
	A		-	-	46.9	44.0	40.7	37.4	34.1	30.9	28.1	25.5	23.4
	W		-	-	-	49800	40400	32400	25600	19800	14900	10500	-
	P	55.0	-	-	-	27.2	24.8	22.2	19.6	17.0	14.5	12.2	-
	A		-	-	-	45.8	42.1	38.4	34.8	31.4	28.4	25.8	-
HGX56e/1155-4 S (S = larger motor) ⁽²⁾ PWS (part wind start) Displ: 100.4 m³/Hr No of Cylinders: 6 **MWC: 58.3 amps Weight: 221 kg Oil Charge: 3.2 litres	W		-	91400	76100	62900	51400	41600	33100	26000	19800	14600	9970
	P	45.0	-	27.2	26	24.5	22.7	20.7	18.5	16.3	14.1	11.9	9.86
	A		-	50.2	48.8	46.9	44.8	42.6	40.4	38.2	36.3	34.6	33.1
	W		-	82800	68700	56500	46000	37100	29400	22900	17400	12600	8300
	P	50.0	-	29.2	27.7	25.8	23.7	21.4	19.0	16.6	14.3	12.0	10.0
	A		-	52.9	50.8	48.5	46	43.4	40.9	38.6	36.5	34.7	33.2
	W		-	74100	61200	50100	40700	32600	25700	19900	14900	10600	-
	P	55.0	-	31.1	29.2	27.0	24.6	22.1	19.5	17.0	14.6	12.3	-
	A		-	55.4	52.8	50.0	47.0	44.1	41.4	38.9	36.7	34.9	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX66e/1340-4 (²) PWS (part wind start) Displ: 116.5 m³/Hr No of Cylinders: 6 **MWC: 53.7 amps Weight: 282 kg Oil Charge: 4.4 litres	W	45.0	-	-	89000	73600	60200	48500	38500	29900	22600	16300	11000
	P		-	-	30.2	28	25.7	23.1	20.5	17.7	15	12.4	9.88
	A		-	-	51.2	48	44.6	41.1	37.7	34.4	31.3	28.6	26.3
	W	50.0	-	-	79900	65900	53700	43100	34100	26400	19800	14200	9350
	P		-	-	31.8	29.3	26.6	23.8	20.9	17.9	15	12.2	9.56
	A		-	-	53.7	49.9	46	42	38.2	34.6	31.3	28.4	26
	W	55.0	-	-	-	58000	47000	37600	29600	22800	17000	12100	-
	P		-	-	-	30.4	27.4	24.3	21.1	18	14.9	11.9	-
	A		-	-	-	51.6	47.1	42.7	38.5	34.6	31.2	28.2	-
HGX66e/1340-4 S (S = larger motor) (²) PWS (part wind start) Displ: 116.5 m³/Hr No of Cylinders: 6 **MWC: 65.3 amps Weight: 287 kg Oil Charge: 4.4 litres	W	45.0	-	108000	89900	74300	60700	48900	38800	30100	22700	16400	11000
	P		-	31.9	30.1	28	25.6	23.1	20.5	17.8	15.2	12.5	10
	A		-	56.5	54	51.3	48.3	45.4	42.5	39.7	37.2	35.1	33.3
	W	50.0	-	97000	80700	66500	54200	43500	34300	26500	19900	14200	9370
	P		-	33.9	31.7	29.2	26.6	23.8	20.9	18	15.1	12.4	9.77
	A		-	59.3	56.2	52.9	49.5	46.1	42.9	39.9	37.2	34.9	33.1
	W	55.0	-	86100	71400	58500	47500	38000	29800	23000	17100	12200	-
	P		-	35.7	33.1	30.3	27.4	24.3	21.2	18.1	15	12.1	-
	A		-	61.9	58.2	54.3	50.5	46.7	43.2	39.9	37.1	34.7	-
HGX66e/1540-4 (²) PWS (part wind start) Displ: 133.8 m³/Hr No of Cylinders: 6 **MWC: 62.1 amps Weight: 280 kg Oil Charge: 4.4 litres	W	45.0	-	-	103000	84800	69500	56200	44800	35000	26600	19400	13300
	P		-	-	35.1	32.7	29.9	27	24	20.8	17.7	14.7	11.8
	A		-	-	58.8	55	50.8	46.5	42.3	38.2	34.4	31	28.1
	W	50.0	-	-	91900	75900	62100	50100	39800	31000	23400	17000	11500
	P		-	-	37.1	34.2	31.1	27.9	24.5	21.1	17.8	14.6	11.6
	A		-	-	62	57.4	52.6	47.8	43	38.6	34.5	30.9	27.9
	W	55.0	-	-	-	66900	54500	43800	34700	26900	20300	14700	-
	P		-	-	-	35.6	32.1	28.6	24.9	21.3	17.7	14.4	-
	A		-	-	-	59.6	54.2	48.8	43.6	38.7	34.4	30.6	-
HGX66e/1540-4 S (S = larger motor) (²) PWS (part wind start) Displ: 133.8 m³/Hr No of Cylinders: 6 **MWC: 75.0 amps Weight: 285 kg Oil Charge: 4.4 litres	W	45.0	-	124000	104000	85700	70200	56800	45200	35200	26800	19500	13400
	P		-	37	34.9	32.5	29.9	27	24	20.9	17.9	14.9	12
	A		-	63.8	60.8	57.4	53.7	50	46.3	42.9	39.7	37	34.7
	W	50.0	-	112000	92900	76800	62700	50600	40100	31200	23600	17100	11500
	P		-	39.4	36.9	34.1	31	27.8	24.5	21.2	17.9	14.7	11.7
	A		-	67.4	63.6	59.5	55.3	51	47	43.2	39.8	36.9	34.5
	W	55.0	-	98900	82200	67600	55100	44200	35000	27100	20400	14700	-
	P		-	41.6	38.6	35.4	32	28.5	24.9	21.3	17.9	14.5	-
	A		-	70.7	66.2	61.5	56.7	51.9	47.4	43.3	39.7	36.7	-
HGX66e/1750-4 (²) PWS (part wind start) Displ: 152.2 m³/Hr No of Cylinders: 6 **MWC: 71.9 amps Weight: 280 kg Oil Charge: 4.4 litres	W	45.0	-	-	117000	97100	79700	64500	51400	40200	30600	22400	15400
	P		-	-	40	37.3	34.2	30.9	27.4	23.9	20.4	17	13.7
	A		-	-	68.4	64.2	59.7	55.1	50.6	46.3	42.3	38.9	36
	W	50.0	-	-	106000	87000	71200	57500	45700	35600	27000	19600	13300
	P		-	-	42.3	39.1	35.6	31.9	28.1	24.3	20.5	16.9	13.5
	A		-	-	71.9	66.9	61.7	56.4	51.4	46.7	42.4	38.8	35.8
	W	55.0	-	-	-	76600	62500	50300	39900	31000	23400	16900	-
	P		-	-	-	40.7	36.7	32.7	28.6	24.5	20.5	16.6	-
	A		-	-	-	69.3	63.4	57.6	52	46.9	42.4	38.6	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
	Condensing Temperature °C												
	Evaporating Temperature °C												
	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40		
HGX66e/1750-4 S (S = larger motor) (2) PWS (part wind start) Displ: 152.2 m³/Hr No of Cylinders: 6 **MWC: 86.8 amps Weight: 282 kg Oil Charge: 4.4 litres	W		-	141000	118000	97300	79800	64600	51400	40200	30600	22400	15400
	P	45.0	-	42.3	40	37.2	34.2	31	27.6	24.1	20.6	17.2	13.9
	A		-	74.6	71.3	67.6	63.7	59.7	55.7	51.9	48.4	45.3	42.6
	W		-	127000	106000	87200	71300	57500	45700	35600	27000	19600	13300
	P	50.0	-	45.1	42.2	39	35.6	31.9	28.2	24.4	20.7	17.1	13.7
	A		-	78.5	74.4	70	65.4	60.9	56.5	52.3	48.5	45.2	42.4
	W		-	113000	93300	76900	62600	50400	39900	31000	23400	16900	-
	P	55.0	-	47.5	44.2	40.6	36.7	32.7	28.7	24.6	20.6	16.8	-
	A		-	82.1	77.3	72.1	67	61.9	57	52.5	48.5	45	-
HGX66e/2070-4 (2) PWS (part wind start) Displ: 180 m³/Hr No of Cylinders: 6 **MWC: 85.1 amps Weight: 276 kg Oil Charge: 4.4 litres	W		-	-	137000	114000	93400	75700	60400	47300	36000	26400	18100
	P	45.0	-	-	47.9	44.5	40.7	36.7	32.5	28.3	24.1	20	16.1
	A		-	-	80.6	75.2	69.4	63.3	57.4	51.7	46.5	41.9	38.1
	W		-	-	123000	102000	83400	67400	53700	41900	31800	23100	15700
	P	50.0	-	-	50.6	46.7	42.4	37.9	33.3	28.7	24.2	19.9	15.8
	A		-	-	85.1	78.7	72	65.1	58.5	52.2	46.6	41.8	37.8
	W		-	-	-	89500	73100	59000	46900	36500	27600	20000	-
	P	55.0	-	-	-	48.6	43.8	38.9	33.9	29	24.2	19.6	-
	A		-	-	-	81.9	74.2	66.6	59.3	52.5	46.5	41.5	-
HGX66e/2070-4 S (S = larger motor) (2) PWS (part wind start) Displ: 180 m³/Hr No of Cylinders: 6 **MWC: 103.0 amps Weight: 278 kg Oil Charge: 4.4 litres	W		-	164000	138000	115000	93700	75900	60500	47300	36000	26400	18100
	P	45.0	-	50.5	47.6	44.3	40.6	36.7	32.6	28.4	24.3	20.2	16.3
	A		-	86.5	82.2	77.4	72.2	66.9	61.7	56.7	52.1	48	44.5
	W		-	148000	124000	103000	83600	67600	53800	41900	31800	23100	15700
	P	50.0	-	53.8	50.3	46.4	42.3	37.9	33.4	28.8	24.4	20.1	16
	A		-	91.7	86.3	80.5	74.5	68.5	62.6	57.2	52.2	47.9	44.3
	W		-	131000	110000	90000	73400	59100	46900	36500	27600	19900	-
	P	55.0	-	56.9	52.8	48.3	43.7	38.8	33.9	29.1	24.3	19.8	-
	A		-	96.5	90.1	83.3	76.5	69.8	63.4	57.5	52.2	47.6	-
HGX88e/2400-4 (2) PWS (part wind start) Displ: 209.1 m³/Hr No of Cylinders: 8 **MWC: 101.0 amps Weight: 452 kg Oil Charge: 9.6 litres	W		-	-	163000	135000	111000	89500	71300	55800	42500	31100	21500
	P	45.0	-	-	56.2	52.3	48	43.4	38.6	33.8	29	24.3	19.9
	A		-	-	95.5	89.2	82.3	75.2	68.1	61.3	55.1	49.6	45
	W		-	-	147000	121000	98900	79800	63400	49400	37500	27300	18600
	P	50.0	-	-	59.4	54.9	50	44.8	39.6	34.3	29.2	24.2	19.6
	A		-	-	101	93.3	85.4	77.3	69.5	62	55.3	49.5	44.7
	W		-	-	-	107000	86900	69900	55400	43100	32600	23600	-
	P	55.0	-	-	-	57.1	51.6	46	40.3	34.6	29.1	23.9	-
	A		-	-	-	96.9	88	79.1	70.5	62.4	55.3	49.2	-
HGX88e/2400-4 S (S = larger motor) (2) PWS (part wind start) Displ: 209.1 m³/Hr No of Cylinders: 8 **MWC: 120.0 amps Weight: 452 kg Oil Charge: 9.6 litres	W		-	197000	165000	137000	112000	90300	71900	56100	42700	31300	21500
	P	45.0	-	58.5	55.4	51.8	47.8	43.4	38.9	34.2	29.5	24.8	20.3
	A		-	103	98.3	93.2	87.9	82.4	77	71.8	67.1	62.9	59.3
	W		-	178000	149000	123000	99900	80500	63900	49800	37700	27400	18700
	P	50.0	-	62.2	58.4	54.2	49.6	44.8	39.8	34.7	29.7	24.7	20
	A		-	109	103	96.6	90.3	84.1	78	72.4	67.3	62.8	59.1
	W		-	159000	132000	108000	87900	70600	55900	43300	32800	23700	-
	P	55.0	-	65.6	61.1	56.3	51.2	45.9	40.5	35	29.7	24.4	-
	A		-	114	107	99.6	92.5	85.5	78.8	72.7	67.2	62.6	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/Y-Y -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass (3x on HGX88e comps)
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R404A / R507 Reciprocating Semi Hermetic Compressors

Capacities R404A / R507

Capacities - <u>W</u> atts Consumption – <u>P</u> ower (Kw) Current – <u>A</u> mps													
Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>W</u> atts Consumption – <u>P</u> ower (Kw) Current – <u>A</u> mps										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX88e/2735-4	W		-	-	186000	154000	127000	103000	81400	63600	48400	35500	24400
	P	45.0	-	-	63.4	59.1	54.3	49.2	43.9	38.5	33.1	27.8	22.8
	A		-	-	110	103	95.3	87.8	80.4	73.3	66.8	61.2	56.4
⁽²⁾ PWS (part wind start)	W		-	-	168000	139000	113000	91100	72400	56400	42700	31100	21200
Displ: 237.9 m³/Hr	P	50.0	-	-	67	61.9	56.5	50.8	44.9	39.1	33.3	27.7	22.4
No of Cylinders: 8	A		-	-	116	107	98.6	90.1	81.8	74	67.1	61	56.1
**MWC: 116.0 amps	W		-	-	-	122000	99300	79800	63200	49100	37100	26900	-
Weight: 455 kg	P	55.0	-	-	-	64.4	58.3	52.1	45.7	39.4	33.3	27.4	-
Oil Charge: 9.6 litres	A		-	-	-	111	102	92	82.9	74.5	67	60.7	-
HGX88e/2735-4 S (S = larger motor)	W		-	223000	187000	155000	127000	103000	81600	63700	48500	35500	24500
	P	45.0	-	66.7	63.1	58.8	54.2	49.2	44	38.6	33.3	28	22.9
	A		-	116	110	104	96.6	89.8	83.1	76.7	70.9	65.7	61.3
⁽²⁾ PWS (part wind start)	W		-	202000	168000	139000	114000	91400	72600	56500	42800	31200	21200
Displ: 237.9 m³/Hr	P	50.0	-	71	66.6	61.6	56.3	50.8	45	39.2	33.5	27.9	22.5
No of Cylinders: 8	A		-	122	115	108	99.6	91.9	84.4	77.4	71.1	65.6	61
**MWC: 136.0 amps	W		-	180000	149000	123000	99700	80100	63400	49200	37200	27000	-
Weight: 464kg	P	55.0	-	75	69.8	64.1	58.2	52	45.8	39.6	33.5	27.6	-
Oil Charge: 9.6 litres	A		-	129	120	112	103	93.6	85.4	77.8	71	65.3	-
HGX88e/3235-4	W		-	-	220000	182000	149000	121000	95700	74700	56800	41500	28500
	P	45.0	-	-	74.9	69.7	64.0	57.9	51.6	45.1	38.7	32.4	26.5
	A		-	-	128.0	120.0	111.0	102.0	93.0	84.5	76.8	70.0	64.3
⁽²⁾ PWS (part wind start)	W		-	-	198000	163000	133000	108000	85100	66200	50100	36400	24600
Displ: 281.3 m³/Hr	P	50.0	-	-	79.1	73.0	66.5	59.7	52.7	45.8	38.9	32.2	26.0
No of Cylinders: 8	A		-	-	135.0	125.0	115.0	105.0	94.6	85.3	77.0	69.8	63.9
**MWC: 135.0 amps	W		-	-	-	144000	117000	93900	74300	57600	43500	31400	-
Weight: 459 kg	P	55.0	-	-	-	76.0	68.7	61.2	53.6	46.1	38.8	31.8	-
Oil Charge: 9.6 litres	A		-	-	-	130.0	119.0	107.0	95.8	85.8	76.9	69.4	-
HGX88e/3235-4 S (S = larger motor)	W		-	264000	221000	183000	150000	121000	96000	74900	56900	41600	28500
	P	45.0	-	78.5	74.2	69.2	63.7	57.8	51.6	45.3	39	32.8	26.8
	A		-	138	131	124	116	108	99.6	92.1	85.3	79.3	74.3
⁽²⁾ PWS (part wind start)	W		-	238000	199000	164000	134000	108000	85300	66300	50200	36400	24700
Displ: 281.3 m³/Hr	P	50.0	-	83.5	78.2	72.4	66.1	59.6	52.8	46	39.2	32.6	26.2
No of Cylinders: 8	A		-	145	137	128	119	110	101	92.8	85.5	79.1	73.9
**MWC: 162.0 amps	W		-	212000	176000	145000	118000	94200	74500	57700	43500	31500	-
Weight: 467 kg	P	55.0	-	88.1	81.9	75.3	68.3	61	53.7	46.3	39.1	32.1	-
Oil Charge: 9.6 litres	A		-	153	143	133	122	112	103	93.3	85.4	78.8	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass (3x on HGX88e comps)
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>					Consumption – <u>Power (Kw)</u>			Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
HGX12P/60-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 5.4 m³/Hr No of Cylinders: 2 **MWC: 3.9 amps Weight: 48 kg Oil Charge: 0.8 litres	W	45.0	-	4680	3820	3070	2440	1910	1470	1110	809	567	367	
	P		-	1.49	1.41	1.31	1.2	1.08	0.96	0.83	0.71	0.6	0.5	
	A		-	2.98	2.86	2.71	2.55	2.39	2.23	2.09	1.96	1.85	1.77	
	W	50.0	-	4330	3510	2820	2230	1730	1320	985	711	487	-	
	P		-	1.61	1.51	1.39	1.26	1.12	0.99	0.85	0.71	0.59	-	
	A		-	3.18	3.02	2.84	2.64	2.45	2.27	2.1	1.96	1.84	-	
	W	55.0	-	3980	3210	2560	2010	1550	1180	863	611	-	-	
	P		-	1.75	1.62	1.48	1.33	1.17	1.01	0.86	0.71	-	-	
	A		-	3.4	3.19	2.97	2.74	2.51	2.3	2.12	1.96	-	-	
HGX12P/75-4 (⁽¹⁾) DOL (direct online) Displ: 6.7 m³/Hr No of Cylinders: 2 **MWC: 4.1 amps Weight: 48 kg Oil Charge: 0.8 litres	W	45.0	-	-	4770	3850	3070	2410	1870	1420	1050	739	487	
	P		-	-	1.77	1.65	1.5	1.35	1.19	1.03	0.88	0.74	0.62	
	A		-	-	3.44	3.23	3.01	2.78	2.55	2.33	2.15	1.99	1.87	
	W	50.0	-	-	4390	3530	2800	2190	1680	1270	922	641	-	
	P		-	-	1.91	1.76	1.59	1.41	1.23	1.06	0.89	0.74	-	
	A		-	-	3.67	3.41	3.14	2.87	2.6	2.36	2.16	1.98	-	
	W	55.0	-	-	-	3210	2530	1970	1500	1120	797	-	-	
	P		-	-	-	1.87	1.68	1.48	1.28	1.08	0.9	-	-	
	A		-	-	-	3.61	3.29	2.97	2.67	2.4	2.16	-	-	
HGX12P/75-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 6.7 m³/Hr No of Cylinders: 2 **MWC: 4.6 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	5840	4770	3850	3070	2410	1870	1420	1050	738	487	
	P		-	1.86	1.76	1.64	1.5	1.35	1.19	1.03	0.88	0.74	0.61	
	A		-	3.56	3.44	3.28	3.12	2.95	2.78	2.64	2.51	2.41	2.33	
	W	50.0	-	5410	4390	3530	2800	2190	1680	1270	921	640	-	
	P		-	2.02	1.89	1.75	1.58	1.41	1.23	1.05	0.89	0.73	-	
	A		-	3.78	3.61	3.42	3.21	3.01	2.82	2.66	2.52	2.41	-	
	W	55.0	-	4970	4020	3210	2530	1970	1500	1120	797	-	-	
	P		-	2.2	2.04	1.86	1.67	1.47	1.27	1.08	0.89	-	-	
	A		-	4.02	3.8	3.56	3.32	3.08	2.87	2.68	2.52	-	-	
HGX12P/90-4 (⁽¹⁾) DOL (direct online) Displ: 8.0 m³/Hr No of Cylinders: 2 **MWC: 4.9 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	-	5680	4590	3670	2890	2250	1710	1270	905	604	
	P		-	-	2.11	1.97	1.8	1.61	1.42	1.23	1.05	0.88	0.73	
	A		-	-	3.91	3.7	3.48	3.25	3.03	2.83	2.66	2.51	2.41	
	W	50.0	-	-	5230	4210	3350	2630	2030	1530	1130	789	-	
	P		-	-	2.28	2.1	1.9	1.69	1.48	1.27	1.06	0.88	-	
	A		-	-	4.14	3.89	3.62	3.35	3.09	2.86	2.67	2.51	-	
	W	55.0	-	-	-	3840	3030	2360	1810	1350	976	-	-	
	P		-	-	-	2.24	2.01	1.77	1.53	1.3	1.08	-	-	
	A		-	-	-	4.09	3.77	3.45	3.16	2.9	2.68	-	-	
HGX12P/90-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 8.0 m³/Hr No of Cylinders: 2 **MWC: 5.3 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	6960	5690	4600	3670	2890	2250	1710	1270	906	604	
	P		-	2.26	2.14	1.99	1.83	1.64	1.46	1.27	1.09	0.92	0.77	
	A		-	4.26	4.12	3.94	3.76	3.56	3.38	3.21	3.07	2.94	2.85	
	W	50.0	-	6440	5240	4220	3360	2630	2030	1540	1130	789	-	
	P		-	2.46	2.31	2.13	1.93	1.72	1.51	1.3	1.1	0.92	-	
	A		-	4.52	4.32	4.1	3.87	3.64	3.43	3.24	3.08	2.94	-	
	W	55.0	-	5920	4800	3840	3040	2370	1810	1360	977	-	-	
	P		-	2.67	2.48	2.27	2.04	1.8	1.57	1.33	1.11	-	-	
	A		-	4.8	4.55	4.27	4.0	3.73	3.48	3.27	3.09	-	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX12P/110-4 (¹) DOL (direct online) Displ: 9.4 m³/Hr No of Cylinders: 2 **MWC: 5.3 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	-	6640	5370	4300	3400	2640	2020	1510	1080	723
	P		-	-	2.5	2.32	2.13	1.91	1.68	1.46	1.24	1.03	0.86
	A		-	-	4.46	4.21	3.92	3.63	3.34	3.07	2.83	2.64	2.49
	W	50.0	-	-	6110	4930	3930	3090	2390	1810	1340	942	-
	P		-	-	2.7	2.49	2.25	2	1.75	1.5	1.25	1.03	-
	A		-	-	4.76	4.44	4.1	3.76	3.42	3.11	2.85	2.64	-
	W	55.0	-	-	-	4490	3550	2780	2130	1600	1170	-	-
	P		-	-	-	2.66	2.39	2.1	1.82	1.54	1.27	-	-
	A		-	-	-	4.7	4.3	3.9	3.51	3.16	2.87	-	-
HGX12P/110-4 S (S = larger motor) (¹) DOL (direct online) Displ: 9.4 m³/Hr No of Cylinders: 2 **MWC: 6.1 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	8130	6650	5380	4310	3400	2650	2020	1510	1080	724
	P		-	2.67	2.53	2.35	2.15	1.94	1.71	1.49	1.27	1.07	0.89
	A		-	4.8	4.61	4.38	4.13	3.88	3.63	3.41	3.21	3.05	2.93
	W	50.0	-	7520	6130	4940	3940	3090	2390	1820	1340	942	-
	P		-	2.91	2.73	2.51	2.28	2.03	1.78	1.53	1.29	1.07	-
	A		-	5.14	4.88	4.59	4.29	3.99	3.7	3.45	3.23	3.05	-
	W	55.0	-	6910	5610	4500	3560	2780	2140	1610	1170	-	-
	P		-	3.17	2.94	2.69	2.42	2.13	1.85	1.57	1.31	-	-
	A		-	5.51	5.18	4.83	4.46	4.11	3.78	3.49	3.24	-	-
HGX22e/125-4 (¹) DOL (direct online) Displ: 11.1 m³/Hr No of Cylinders: 2 **MWC: 5.4 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	-	8120	6540	5210	4100	3160	2390	1740	1180	688
	P		-	-	2.67	2.49	2.28	2.05	1.81	1.58	1.36	1.16	0.99
	A		-	-	4.97	4.74	4.48	4.22	3.96	3.73	3.53	3.37	3.25
	W	50.0	-	-	7420	5960	4740	3710	2850	2130	1530	1010	-
	P		-	-	2.82	2.6	2.36	2.1	1.85	1.6	1.36	1.16	-
	A		-	-	5.17	4.88	4.58	4.28	4	3.75	3.54	3.38	-
	W	55.0	-	-	-	5390	4270	3330	2550	1890	1330	-	-
	P		-	-	-	2.7	2.42	2.14	1.87	1.6	1.36	-	-
	A		-	-	-	5.01	4.66	4.33	4.02	3.75	3.54	-	-
HGX22e/125-4 S (S = larger motor) (¹) DOL (direct online) Displ: 11.1 m³/Hr No of Cylinders: 2 **MWC: 6.2 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	9940	8110	6540	5210	4100	3170	2390	1740	1180	679
	P		-	2.81	2.66	2.48	2.28	2.05	1.81	1.58	1.36	1.16	0.99
	A		-	5.15	4.97	4.74	4.48	4.22	3.96	3.73	3.53	3.37	3.26
	W	50.0	-	9110	7410	5960	4740	3710	2850	2140	1530	993	-
	P		-	3	2.82	2.6	2.36	2.1	1.85	1.6	1.36	1.16	-
	A		-	5.42	5.17	4.88	4.58	4.28	4	3.75	3.54	3.38	-
	W	55.0	-	8290	6720	5390	4270	3330	2550	1890	1330	-	-
	P		-	3.18	2.95	2.7	2.43	2.14	1.87	1.6	1.36	-	-
	A		-	5.67	5.35	5.01	4.66	4.33	4.02	3.75	3.54	-	-
HGX22e/160-4 (¹) DOL (direct online) Displ: 13.7 m³/Hr No of Cylinders: 2 **MWC: 6.4 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	-	9900	7990	6370	5010	3870	2920	2130	1450	838
	P		-	-	3.31	3.08	2.81	2.52	2.22	1.93	1.65	1.4	1.19
	A		-	-	5.85	5.52	5.16	4.78	4.42	4.08	3.8	3.57	3.4
	W	50.0	-	-	9040	7270	5780	4530	3490	2610	1870	1230	-
	P		-	-	3.5	3.22	2.91	2.59	2.26	1.95	1.66	1.4	-
	A		-	-	6.14	5.73	5.3	4.87	4.47	4.11	3.8	3.57	-
	W	55.0	-	-	-	6570	5210	4070	3120	2320	1630	-	-
	P		-	-	-	3.35	3.0	2.64	2.29	1.96	1.65	-	-
	A		-	-	-	5.91	5.42	4.94	4.5	4.11	3.8	-	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/Y-3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)		Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
		Condensing Temperature °C												
		Evaporating Temperature °C												
		10	5	0	-5	-10	-15	-20	-25	-30	-35	-40		
HGX22e/160-4 S (S = larger motor)	W		-	12300	10100	8230	6660	5340	4220	3270	2440	1700	1010	
	P	45.0	-	3.6	3.35	3.08	2.81	2.54	2.26	1.98	1.7	1.43	1.16	
	A		-	6.41	6.07	5.73	5.4	5.07	4.76	4.45	4.17	3.9	3.66	
⁽¹⁾ DOL (direct online) Displ: 13.7 m³/Hr No of Cylinders: 2	W		-	11400	9280	7560	6110	4880	3830	2930	2130	1400	-	
	P	50.0	-	3.86	3.56	3.24	2.93	2.61	2.3	1.99	1.68	1.37	-	
	A		-	6.76	6.34	5.94	5.54	5.16	4.8	4.46	4.14	3.85	-	
**MWC: 7.6 amps Weight: 75 kg Oil Charge: 1.1 litres	W		-	10400	8500	6910	5570	4420	3440	2580	1800	-	-	
	P	55.0	-	4.11	3.75	3.38	3.02	2.66	2.31	1.96	1.62	-	-	
	A		-	7.1	6.6	6.12	5.66	5.22	4.81	4.43	4.08	-	-	
HGX22e/190-4	W		-	-	12400	10100	8150	6540	5180	4030	3040	2170	1360	
	P	45.0	-	-	4.22	3.86	3.5	3.15	2.81	2.46	2.13	1.79	1.45	
	A		-	-	7.2	6.66	6.13	5.63	5.15	4.71	4.3	3.94	3.62	
⁽¹⁾ DOL (direct online) Displ: 16.5 m³/Hr No of Cylinders: 2	W		-	-	11400	9230	7460	5970	4710	3640	2710	1870	-	
	P	50.0	-	-	4.49	4.07	3.67	3.27	2.88	2.51	2.13	1.77	-	
	A		-	-	7.6	6.98	6.37	5.8	5.26	4.76	4.31	3.92	-	
**MWC: 8.0 amps Weight: 73 kg Oil Charge: 1.1 litres	W		-	-	-	8410	6780	5410	4250	3260	2380	-	-	
	P	55.0	-	-	-	4.26	3.81	3.36	2.94	2.52	2.12	-	-	
	A		-	-	-	7.27	6.58	5.93	5.33	4.78	4.29	-	-	
HGX22e/190-4 S (S = larger motor)	W		-	-	14900	12300	10100	8150	6570	5220	4080	3080	2180	1330
	P	45.0	-	-	4.41	4.1	3.78	3.46	3.13	2.8	2.46	2.13	1.8	1.47
	A		-	-	7.53	7.09	6.65	6.22	5.79	5.38	4.98	4.61	4.27	3.95
⁽¹⁾ DOL (direct online) Displ: 16.5 m³/Hr No of Cylinders: 2	W		-	-	13800	11300	9240	7500	6020	4770	3680	2710	1820	-
	P	50.0	-	-	4.74	4.37	3.99	3.62	3.24	2.86	2.48	2.11	1.75	-
	A		-	-	8.01	7.47	6.94	6.43	5.93	5.45	5.01	4.59	4.21	-
**MWC: 9.4 amps Weight: 75 kg Oil Charge: 1.1 litres	W		-	-	12600	10400	8470	6850	5480	4300	3260	2320	-	-
	P	55.0	-	-	5.06	4.62	4.18	3.75	3.32	2.89	2.47	2.05	-	-
	A		-	-	8.47	7.83	7.21	6.6	6.03	5.49	4.99	4.53	-	-
HGX34e/215-4	W		-	-	13100	10400	8100	6190	4610	3320	2290	1480	871	
	P	45.0	-	-	4.28	3.86	3.43	3	2.59	2.2	1.85	1.55	1.32	
	A		-	-	7.34	6.76	6.18	5.63	5.13	4.68	4.31	4.02	3.81	
⁽¹⁾ DOL (direct online) Displ: 18.8 m³/Hr No of Cylinders: 4	W		-	-	11800	9320	7230	5480	4050	2900	2000	1310	-	
	P	50.0	-	-	4.55	4.06	3.56	3.08	2.62	2.21	1.84	1.54	-	
	A		-	-	7.73	7.03	6.36	5.73	5.17	4.69	4.31	4.01	-	
**MWC: 8.1 amps Weight: 91.0 kg Oil Charge: 1.3 litres	W		-	-	-	8300	6390	4820	3560	2560	1790	-	-	
	P	55.0	-	-	-	4.24	3.69	3.15	2.66	2.21	1.83	-	-	
	A		-	-	-	7.29	6.52	5.82	5.21	4.7	4.3	-	-	
HGX34e/215-4 S (S = larger motor)	W		-	-	16500	13300	10500	8190	6250	4650	3350	2310	1490	844
	P	45.0	-	-	4.58	4.21	3.81	3.4	2.99	2.59	2.22	1.88	1.59	1.36
	A		-	-	8.69	8.24	7.77	7.32	6.88	6.48	6.13	5.84	5.6	5.43
⁽¹⁾ DOL (direct online) Displ: 18.8 m³/Hr No of Cylinders: 4	W		-	-	15000	12000	9430	7300	5530	4090	2930	2020	1320	-
	P	50.0	-	-	4.92	4.47	4	3.52	3.06	2.63	2.23	1.87	1.58	-
	A		-	-	9.12	8.55	7.99	7.45	6.96	6.52	6.14	5.83	5.59	-
**MWC: 10.5 amps Weight: 97 kg Oil Charge: 1.3 litres	W		-	-	13500	10800	8400	6460	4870	3590	2590	1820	-	-
	P	55.0	-	-	5.25	4.71	4.17	3.64	3.13	2.66	2.23	1.86	-	-
	A		-	-	9.53	8.85	8.19	7.58	7.03	6.55	6.15	5.83	-	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>					Consumption – <u>Power (Kw)</u>			Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
HGX34e/255-4 (¹) DOL (direct online) Displ: 22.1 m³/Hr No of Cylinders: 4 **MWC: 9.8 amps Weight: 91 kg Oil Charge: 1.3 litres	W	45.0	-	-	15600	12600	10100	7830	5970	4390	3090	2020	1170	
	P		-	-	5.07	4.72	4.29	3.82	3.32	2.81	2.3	1.84	1.42	
	A		-	-	8.48	7.97	7.36	6.7	6.03	5.39	4.8	4.3	3.9	
	W	50.0	-	-	14000	11300	8980	7000	5310	3900	2740	1790	-	
	P		-	-	5.4	4.96	4.46	3.92	3.36	2.8	2.26	1.76	-	
	A		-	-	8.98	8.33	7.6	6.84	6.09	5.38	4.76	4.23	-	
	W	55.0	-	-	-	10000	7930	6170	4680	3440	2420	-	-	
	P		-	-	-	5.18	4.6	4	3.38	2.77	2.19	-	-	
	A		-	-	-	8.65	7.8	6.95	6.11	5.34	4.67	-	-	
HGX34e/255-4 S (S = larger motor) (¹) DOL (direct online) Displ: 22.1 m³/Hr No of Cylinders: 4 **MWC: 12.2 amps Weight: 97 kg Oil Charge: 1.3 litres	W	45.0	-	19300	15800	12800	10200	7930	6030	4450	3130	2040	1140	
	P		-	5.2	4.95	4.62	4.22	3.77	3.29	2.8	2.32	1.87	1.46	
	A		-	9.48	9.16	8.74	8.25	7.73	7.2	6.69	6.23	5.83	5.5	
	W	50.0	-	17500	14300	11500	9100	7080	5380	3950	2770	1800	-	
	P		-	5.6	5.26	4.85	4.38	3.87	3.33	2.8	2.28	1.8	-	
	A		-	10	9.56	9.02	8.44	7.84	7.24	6.69	6.19	5.77	-	
	W	55.0	-	15600	12700	10200	8030	6240	4740	3490	2460	-	-	
	P		-	5.96	5.54	5.05	4.51	3.93	3.35	2.77	2.21	-	-	
	A		-	10.5	9.92	9.28	8.6	7.92	7.26	6.66	6.13	-	-	
HGX34e/315-4 (¹) DOL (direct online) Displ: 27.3 m³/Hr No of Cylinders: 4 **MWC: 12.2 amps Weight: 93 kg Oil Charge: 1.3 litres	W	45.0	-	-	19600	15700	12500	9680	7390	5480	3880	2530	1360	
	P		-	-	6.07	5.64	5.14	4.59	4	3.4	2.79	2.19	1.61	
	A		-	-	10.3	9.63	8.94	8.19	7.43	6.69	5.99	5.35	4.8	
	W	50.0	-	-	17800	14200	11300	8710	6620	4880	3410	2160	-	
	P		-	-	6.47	5.95	5.36	4.74	4.08	3.4	2.73	2.08	-	
	A		-	-	10.9	10.1	9.25	8.39	7.52	6.7	5.93	5.24	-	
	W	55.0	-	-	-	12800	10100	7780	5900	4330	3000	-	-	
	P		-	-	-	6.23	5.56	4.85	4.12	3.38	2.64	-	-	
	A		-	-	-	10.5	9.52	8.54	7.58	6.66	5.83	-	-	
HGX34e/315-4 S (S = larger motor) (¹) DOL (direct online) Displ: 27.3 m³/Hr No of Cylinders: 4 **MWC: 14.7 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	-	24400	19800	15800	12500	9730	7430	5520	3910	2540	1310	
	P		-	6.5	6.14	5.71	5.21	4.66	4.08	3.48	2.87	2.27	1.69	
	A		-	11.3	10.8	10.2	9.49	8.79	8.09	7.4	6.76	6.18	5.68	
	W	50.0	-	22200	17900	14300	11300	8760	6660	4920	3440	2160	-	
	P		-	6.99	6.53	6.01	5.43	4.81	4.16	3.49	2.82	2.16	-	
	A		-	12	11.3	10.6	9.78	8.97	8.17	7.41	6.71	6.09	-	
	W	55.0	-	20100	16200	12900	10100	7820	5940	4370	3030	-	-	
	P		-	7.45	6.9	6.29	5.62	4.92	4.19	3.46	2.73	-	-	
	A		-	12.7	11.9	11	10.1	9.11	8.22	7.38	6.62	-	-	
HGX34e/380-4 (¹) DOL (direct online) Displ: 33.1 m³/Hr No of Cylinders: 4 **MWC: 15.1 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	-	-	23600	19100	15400	12100	9390	7100	5140	3450	1950	
	P		-	-	7.55	7	6.38	5.7	4.98	4.24	3.5	2.76	2.05	
	A		-	-	12.5	11.7	10.7	9.72	8.72	7.74	6.81	5.96	5.21	
	W	50.0	-	-	21400	17400	13900	11000	8480	6370	4560	2980	-	
	P		-	-	8.04	7.38	6.66	5.89	5.09	4.27	3.45	2.64	-	
	A		-	-	13.2	12.2	11.2	9.99	8.86	7.77	6.75	5.83	-	
	W	55.0	-	-	-	15700	12500	9850	7610	5700	4050	-	-	
	P		-	-	-	7.74	6.91	6.04	5.15	4.25	3.36	-	-	
	A		-	-	-	12.8	11.5	10.3	8.95	7.75	6.64	-	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX34e/380-4 S (S = larger motor) (1) DOL (direct online) Displ: 33.1 m³/Hr No of Cylinders: 4 **MWC: 18.0 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	-	29200	23900	19300	15500	12200	9460	7150	5180	3460	1890
	P		-	8.06	7.59	7.05	6.43	5.76	5.06	4.32	3.58	2.85	2.13
	A		-	13.5	12.9	12.1	11.2	10.3	9.29	8.38	7.52	6.73	6.05
	W	50.0	-	26600	21700	17600	14000	11100	8540	6430	4600	2980	-
	P		-	8.65	8.07	7.42	6.71	5.95	5.16	4.35	3.53	2.73	-
	A		-	14.4	13.6	12.6	11.6	10.5	9.42	8.4	7.46	6.62	-
	W	55.0	-	24100	19600	15800	12600	9930	7680	5760	4090	-	-
	P		-	9.22	8.53	7.77	6.95	6.1	5.22	4.33	3.44	-	-
	A		-	15.3	14.2	13.1	11.9	10.7	9.5	8.38	7.36	-	-
HGX44e/475-4 (2) PWS (part wind start) Displ: 41.3 m³/Hr No of Cylinders: 4 **MWC: 19.0 amps Weight: 165 kg Oil Charge: 2.7 litres	W	45.0	-	-	30800	24900	20000	15800	12200	9190	6690	4570	2730
	P		-	-	9.41	8.73	7.95	7.1	6.2	5.27	4.35	3.45	2.61
	A		-	-	16.2	15.2	14.1	13	11.9	10.8	9.7	8.76	7.95
	W	50.0	-	-	28100	22700	18100	14200	10900	8100	5760	3750	-
	P		-	-	10	9.21	8.29	7.31	6.29	5.26	4.25	3.27	-
	A		-	-	17.1	15.9	14.6	13.3	12	10.8	9.59	8.59	-
	W	55.0	-	-	-	20500	16200	12600	9520	6950	4760	-	-
	P		-	-	-	9.59	8.53	7.42	6.29	5.15	4.05	-	-
	A		-	-	-	16.4	14.9	13.4	12.0	10.6	9.38	-	-
HGX44e/475-4 S (S = larger motor) (2) PWS (part wind start) Displ: 41.3 m³/Hr No of Cylinders: 4 **MWC: 23.0 amps Weight: 170 kg Oil Charge: 2.7 litres	W	45.0	-	37900	31000	25100	20100	15800	12300	9220	6710	4580	2750
	P		-	9.94	9.41	8.74	7.98	7.15	6.26	5.35	4.43	3.54	2.7
	A		-	18.3	17.6	16.8	15.9	14.9	14	13	12.2	11.4	10.7
	W	50.0	-	34800	28400	22900	18200	14300	11000	8130	5780	3760	-
	P		-	10.7	10	9.2	8.31	7.35	6.35	5.34	4.34	3.37	-
	A		-	19.3	18.4	17.4	16.3	15.1	14.1	13	12.1	11.3	-
	W	55.0	-	31700	25700	20600	16300	12700	9560	6970	4780	-	-
	P		-	11.3	10.5	9.57	8.54	7.46	6.35	5.23	4.14	-	-
	A		-	20.2	19.1	17.8	16.5	15.3	14.1	12.9	11.9	-	-
HGX44e/565-4 (2) PWS (part wind start) Displ: 49.2 m³/Hr No of Cylinders: 4 **MWC: 22.0 amps Weight: 166 kg Oil Charge: 2.7 litres	W	45.0	-	-	36700	29800	24000	19000	14800	11300	8250	5700	3480
	P		-	-	11.2	10.4	9.5	8.46	7.37	6.25	5.14	4.07	3.06
	A		-	-	19	17.7	16.3	14.8	13.4	11.9	10.6	9.4	8.38
	W	50.0	-	-	33600	27200	21800	17200	13300	9950	7150	4730	-
	P		-	-	12	11	9.91	8.72	7.48	6.24	5.02	3.86	-
	A		-	-	20.2	18.6	16.9	15.2	13.5	11.9	10.5	9.18	-
	W	55.0	-	-	-	24600	19500	15300	11700	8600	5980	-	-
	P		-	-	-	11.5	10.2	8.86	7.48	6.11	4.78	-	-
	A		-	-	-	19.3	17.3	15.4	13.5	11.8	10.2	-	-
HGX44e/565-4 S (S = larger motor) (2) PWS (part wind start) Displ: 49.2 m³/Hr No of Cylinders: 4 **MWC: 26.0 amps Weight: 173 kg Oil Charge: 2.7 litres	W	45.0	-	45400	37200	30200	24200	19200	14900	11300	8290	5740	3540
	P		-	11.8	11.1	10.3	9.48	8.48	7.43	6.34	5.26	4.2	3.19
	A		-	21.1	20.2	19.3	18.2	17.1	15.9	14.8	13.8	12.9	12.1
	W	50.0	-	41800	34200	27600	22100	17400	13400	10100	7190	4770	-
	P		-	12.7	11.8	10.9	9.86	8.72	7.54	6.34	5.14	3.99	-
	A		-	22.2	21.2	19.9	18.6	17.3	16	14.8	13.7	12.7	-
	W	55.0	-	38100	31000	25000	19800	15500	11800	8640	6000	-	-
	P		-	13.5	12.5	11.3	10.1	8.85	7.53	6.21	4.91	-	-
	A		-	23.3	22	20.5	19	17.5	16	14.7	13.5	-	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Capacities - <u>Watts</u>													
Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>					Consumption – <u>Power (Kw)</u>			Current – <u>Amps</u>		
			Condensing Temperature °C										
			Evaporating Temperature °C										
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40
HGX44e/665-4 (²) PWS (part wind start) Displ: 57.7 m³/Hr No of Cylinders: 4 **MWC: 26.0 amps Weight: 174 kg Oil Charge: 2.7 litres	W		-	-	42700	34600	27700	21800	16900	12700	9200	6240	3690
	P	45.0	-	-	13.1	12.2	11.1	9.94	8.67	7.38	6.08	4.83	3.64
	A		-	-	22.8	21.4	19.9	18.3	16.7	15.2	13.8	12.5	11.5
	W		-	-	39000	31500	25100	19600	15100	11200	7890	5090	-
	P	50.0	-	-	14	12.8	11.6	10.2	8.81	7.37	5.95	4.58	-
	A		-	-	24.1	22.4	20.5	18.7	16.9	15.2	13.6	12.3	-
	W		-	-	-	28300	22400	17400	13200	9540	6500	-	-
	P	55.0	-	-	-	13.4	11.9	10.3	8.8	7.21	5.66	-	-
	A		-	-	-	23.1	21.0	18.9	16.9	15.0	13.4	-	-
HGX44e/665-4 S (S = larger motor) (²) PWS (part wind start) Displ: 57.7 m³/Hr No of Cylinders: 4 **MWC: 30.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W		-	52500	43000	34800	27800	21900	16900	12700	9210	6250	3710
	P	45.0	-	13.8	13.1	12.1	11.1	9.92	8.68	7.39	6.11	4.86	3.68
	A		-	23.8	22.8	21.5	20.1	18.7	17.3	15.9	14.6	13.4	12.5
	W		-	48200	39300	31700	25200	19700	15100	11200	7900	5100	-
	P	50.0	-	14.9	13.9	12.8	11.5	10.2	8.8	7.38	5.98	4.62	-
	A		-	25.3	23.9	22.4	20.7	19.1	17.4	15.9	14.5	13.2	-
	W		-	43900	35600	28500	22500	17500	13200	9550	6500	-	-
	P	55.0	-	15.9	14.7	13.3	11.8	10.3	8.8	7.23	5.7	-	-
	A		-	26.8	25.0	23.1	21.2	19.2	17.4	15.7	14.2	-	-
HGX44e/770-4 (²) PWS (part wind start) Displ: 67 m³/Hr No of Cylinders: 4 **MWC: 30.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W		-	-	50000	40600	32500	25700	20000	15200	11100	7620	4630
	P	45.0	-	-	15.2	14.1	12.8	11.4	10	8.53	7.04	5.58	4.21
	A		-	-	25.8	24.2	22.5	20.6	18.8	17.1	15.5	14.1	12.9
	W		-	-	45800	37000	29600	23200	17900	13400	9570	6290	-
	P	50.0	-	-	16.2	14.8	13.4	11.8	10.1	8.52	6.88	5.3	-
	A		-	-	27.2	25.3	23.2	21.1	19	17.1	15.4	13.8	-
	W		-	-	-	33400	26500	20700	15700	11600	7960	-	-
	P	55.0	-	-	-	15.5	13.8	12	10.1	8.34	6.55	-	-
	A		-	-	-	26.2	23.7	21.3	19	16.9	15	-	-
HGX44e/770-4 S (S = larger motor) (²) PWS (part wind start) Displ: 67 m³/Hr No of Cylinders: 4 **MWC: 35.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W		-	61000	50000	40600	32500	25700	20000	15200	11100	7620	4630
	P	45.0	-	16.1	15.2	14.1	12.8	11.4	10	8.53	7.04	5.58	4.21
	A		-	27.1	25.8	24.2	22.5	20.6	18.8	17.1	15.5	14.1	12.9
	W		-	56000	45800	37000	29600	23200	17900	13400	9570	6290	-
	P	50.0	-	17.4	16.2	14.8	13.4	11.8	10.1	8.52	6.88	5.3	-
	A		-	29	27.2	25.3	23.2	21.1	19	17.1	15.4	13.8	-
	W		-	51100	41500	33400	26500	20700	15700	11600	7960	-	-
	P	55.0	-	18.5	17.1	15.5	13.8	12	10.1	8.34	6.55	-	-
	A		-	30.8	28.6	26.2	23.7	21.3	19.0	16.9	15.0	-	-
HGX56e/850-4 (²) PWS (part wind start) Displ: 73.8 m³/Hr No of Cylinders: 6 **MWC: 32.6 amps Weight: 194 kg Oil Charge: 3.2 litres	W		-	-	55100	44800	36000	28500	22200	16900	12400	8550	5220
	P	45.0	-	-	16.8	15.6	14.2	12.6	11	9.39	7.73	6.11	4.59
	A		-	-	28.1	26.3	24.3	22.2	20.1	18.1	16.2	14.6	13.2
	W		-	-	50400	40900	32700	25800	19900	15000	10800	7100	-
	P	50.0	-	-	17.9	16.4	14.8	13	11.2	9.38	7.56	5.8	-
	A		-	-	29.8	27.6	25.1	22.7	20.3	18.1	16	14.3	-
	W		-	-	-	36900	29300	22900	17500	13000	8970	-	-
	P	55.0	-	-	-	17.1	15.2	13.2	11.2	9.19	7.2	-	-
	A		-	-	-	28.6	25.8	23.0	20.3	17.8	15.7	-	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>				Consumption – <u>Power (Kw)</u>				Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
HGX56e/850-4 S (S = larger motor) (²) PWS (part wind start) Displ: 73.8 m³/Hr No of Cylinders: 6 **MWC: 39.4 amps Weight: 211 kg Oil Charge: 3.2 litres	W	45.0	-	67500	55400	45000	36200	28600	22300	17000	12500	8590	5270	
	P		-	17.7	16.7	15.5	14.1	12.6	11	9.45	7.82	6.23	4.72	
	A		-	30.7	29.4	27.8	26	24.1	22.2	20.3	18.6	17.1	15.8	
	W	50.0	-	62100	50800	41100	32900	25900	20000	15000	10800	7130	-	
	P		-	19	17.8	16.3	14.7	13	11.2	9.44	7.65	5.92	-	
	A		-	32.7	30.9	28.9	26.7	24.5	22.4	20.3	18.5	16.8	-	
	W	55.0	-	56600	46100	37200	29500	23100	17600	13000	8990	-	-	
	P		-	20.3	18.7	17.0	15.1	13.2	11.2	9.24	7.29	-	-	
	A		-	34.5	32.3	29.8	27.3	24.8	22.4	20.1	18.1	-	-	
HGX56e/995-4 (²) PWS (part wind start) Displ: 86.6 m³/Hr No of Cylinders: 6 **MWC: 38.9 amps Weight: 209 kg Oil Charge: 3.2 litres	W	45.0	-	-	64800	52800	42600	33900	26400	20100	14600	9660	5250	
	P		-	-	20	18.6	17	15.2	13.3	11.3	9.31	7.29	5.33	
	A		-	-	34.2	32.1	29.8	27.3	24.9	22.5	20.2	18.1	16.3	
	W	50.0	-	-	59400	48400	38900	30800	23900	17900	12600	7900	-	
	P		-	-	21.4	19.7	17.8	15.7	13.6	11.4	9.19	6.99	-	
	A		-	-	36.2	33.6	30.9	28.1	25.3	22.6	20.1	17.8	-	
	W	55.0	-	-	43800	35100	27600	21200	15600	10600	-	-	-	
	P		-	-	20.6	18.4	16.1	13.8	11.3	8.94	-	-	-	
	A		-	-	35.1	31.9	28.6	25.5	22.5	19.8	-	-	-	
HGX56e/995-4 S (S = larger motor) (²) PWS (part wind start) Displ: 86.6 m³/Hr No of Cylinders: 6 **MWC: 46.4 amps Weight: 211 kg Oil Charge: 3.2 litres	W	45.0	-	79100	65100	53100	42800	34000	26500	20100	14600	9670	5260	
	P		-	21.2	20	18.6	17	15.2	13.3	11.3	9.32	7.31	5.35	
	A		-	36.9	35.3	33.5	31.4	29.2	27	24.8	22.8	21	19.4	
	W	50.0	-	72800	59800	48600	39100	30900	23900	17900	12700	7900	-	
	P		-	22.8	21.3	19.6	17.8	15.7	13.6	11.4	9.2	7.01	-	
	A		-	39.3	37.2	34.9	32.4	29.8	27.3	24.9	22.7	20.7	-	
	W	55.0	-	66400	54400	44100	35300	27800	21300	15600	10600	-	-	
	P		-	24.4	22.6	20.6	18.4	16.1	13.8	11.3	8.96	-	-	
	A		-	41.5	38.9	36.1	33.2	30.3	27.5	24.9	22.5	-	-	
HGX56e/1155-4 (²) PWS (part wind start) Displ: 100.4 m³/Hr No of Cylinders: 6 **MWC: 46.9 amps Weight: 212 kg Oil Charge: 3.2 litres	W	45.0	-	-	74700	60600	48600	38400	29900	22700	16600	11400	6920	
	P		-	-	23.8	22.1	20.1	17.9	15.6	13.3	10.9	8.68	6.54	
	A		-	-	40.8	38.3	35.5	32.6	29.7	27	24.4	22.2	20.4	
	W	50.0	-	-	68400	55300	44100	34700	26700	20000	14400	9420	-	
	P		-	-	25.4	23.3	21	18.5	15.9	13.2	10.7	8.23	-	
	A		-	-	43.1	40	36.7	33.3	30	26.9	24.2	21.8	-	
	W	55.0	-	-	-	49900	39600	30800	23500	17300	11900	-	-	
	P		-	-	-	24.3	21.6	18.8	15.9	13	10.2	-	-	
	A		-	-	-	41.4	37.5	33.7	30	26.6	23.7	-	-	
HGX56e/1155-4 S (S = larger motor) (²) PWS (part wind start) Displ: 100.4 m³/Hr No of Cylinders: 6 **MWC: 58.3 amps Weight: 221 kg Oil Charge: 3.2 litres	W	45.0	-	91500	75100	60900	48800	38600	30000	22700	16600	11500	6960	
	P		-	25.1	23.7	22	20	17.9	15.7	13.3	11	8.8	6.66	
	A		-	47.6	46	44.1	41.9	39.8	37.7	35.7	33.9	32.5	31.3	
	W	50.0	-	84200	68800	55600	44300	34800	26800	20100	14400	9450	-	
	P		-	27	25.2	23.2	20.9	18.4	15.9	13.3	10.8	8.36	-	
	A		-	50	47.8	45.4	42.8	40.3	37.9	35.7	33.8	32.2	-	
	W	55.0	-	76700	62400	50200	39800	31000	23600	17300	12000	-	-	
	P		-	28.8	26.6	24.1	21.5	18.7	15.9	13	10.3	-	-	
	A		-	52.3	49.5	46.5	43.5	40.6	37.9	35.5	33.4	-	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>				Consumption – <u>Power (Kw)</u>				Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
HGX66e/1340-4 ⁽²⁾ PWS (part wind start) Displ: 116.5 m³/Hr No of Cylinders: 6 **MWC: 53.7 amps Weight: 282 kg Oil Charge: 4.4 litres	W	45.0	-	-	86400	70100	56100	44300	34300	25900	18700	12400	-	
	P		-	-	26.9	24.9	22.6	20.1	17.5	14.9	12.3	9.75	-	
	A		-	-	46.4	43.5	40.4	37.2	34.1	31.2	28.5	26.2	-	
	W	50.0	-	-	79200	64000	51100	40200	30900	23000	16300	-	-	
	P		-	-	28.5	26.1	23.5	20.7	17.8	14.9	12	-	-	
	A		-	-	48.8	45.3	41.6	38	34.5	31.2	28.3	-	-	
	W	55.0	-	-	71900	57900	46000	36000	27400	20200	13900	-	-	
	P		-	-	30	27.2	24.2	21.1	17.9	14.7	11.6	-	-	
	A		-	-	50.9	46.8	42.6	38.5	34.6	31	27.9	-	-	
	HGX66e/1340-4 S (S = larger motor) ⁽²⁾ PWS (part wind start) Displ: 116.5 m³/Hr No of Cylinders: 6 **MWC: 65.3 amps Weight: 287 kg Oil Charge: 4.4 litres	W	45.0	-	107000	87200	70700	56600	44700	34600	26000	18700	12400	-
		P		-	28.7	26.9	24.9	22.6	20.2	17.6	15.1	12.5	9.96	-
		A		-	52.2	49.9	47.4	44.7	42.1	39.5	37.1	35	33.2	-
W		50.0	-	97900	80000	64600	51500	40500	31100	23200	16300	-	-	
P			-	30.6	28.5	26.1	23.5	20.8	17.9	15.1	12.2	-	-	
A			-	54.8	51.9	48.9	45.8	42.7	39.8	37.1	34.8	-	-	
W		55.0	-	89300	72600	58400	46400	36200	27600	20300	13900	-	-	
P			-	32.4	29.9	27.2	24.2	21.2	18	14.9	11.8	-	-	
A			-	57.2	53.8	50.2	46.6	43.1	39.9	37	34.5	-	-	
HGX66e/1540-4 ⁽²⁾ PWS (part wind start) Displ: 133.8 m³/Hr No of Cylinders: 6 **MWC: 62.1 amps Weight: 280 kg Oil Charge: 4.4 litres		W	45.0	-	-	99400	80800	65000	51500	40100	30400	22200	14900	-
		P		-	-	31.3	28.9	26.3	23.5	20.5	17.5	14.5	11.6	-
		A		-	-	52.9	49.4	45.5	41.6	37.8	34.2	30.8	27.9	-
	W	50.0	-	-	91200	73900	59200	46800	36200	27200	19400	-	-	
	P		-	-	33.3	30.5	27.4	24.3	21	17.6	14.4	-	-	
	A		-	-	55.9	51.6	47.2	42.7	38.3	34.3	30.6	-	-	
	W	55.0	-	-	82900	67000	53400	42000	32300	24000	16700	-	-	
	P		-	-	35.1	31.8	28.4	24.8	21.2	17.5	13.9	-	-	
	A		-	-	58.7	53.7	48.6	43.5	38.6	34.1	30.2	-	-	
	HGX66e/1540-4 S (S = larger motor) ⁽²⁾ PWS (part wind start) Displ: 133.8 m³/Hr No of Cylinders: 6 **MWC: 75.0 amps Weight: 285 kg Oil Charge: 4.4 litres	W	45.0	-	123000	101000	81600	65600	51900	40400	30600	22300	15000	-
		P		-	33.3	31.2	28.9	26.3	23.5	20.6	17.7	14.7	11.8	-
		A		-	58.4	55.6	52.4	49.1	45.8	42.6	39.5	36.8	34.5	-
W		50.0	-	113000	92200	74700	59800	47200	36500	27400	19500	-	-	
P			-	35.6	33.1	30.4	27.4	24.3	21	17.8	14.5	-	-	
A			-	61.7	58.2	54.4	50.5	46.7	43	39.6	36.7	-	-	
W		55.0	-	103000	83800	67700	54000	42400	32500	24100	16800	-	-	
P			-	37.8	34.9	31.7	28.3	24.8	21.2	17.6	14.1	-	-	
A			-	64.9	60.7	56.2	51.7	47.3	43.2	39.5	36.3	-	-	
HGX66e/1750-4 ⁽²⁾ PWS (part wind start) Displ: 152.2 m³/Hr No of Cylinders: 6 **MWC: 71.9 amps Weight: 280 kg Oil Charge: 4.4 litres		W	45.0	-	-	114000	92600	74500	59100	46100	35000	25500	17200	-
		P		-	-	35.7	33	30.1	26.9	23.6	20.2	16.8	13.5	-
		A		-	-	61.9	58.1	54	49.9	45.8	42.1	38.7	35.8	-
	W	50.0	-	-	105000	84700	68000	53700	41600	31300	22400	-	-	
	P		-	-	38	34.8	31.4	27.8	24.1	20.3	16.6	-	-	
	A		-	-	65.2	60.6	55.8	51.0	46.4	42.2	38.5	-	-	
	W	55.0	-	-	94900	76800	61300	48300	37100	27600	19200	-	-	
	P		-	-	40.0	36.4	32.5	28.4	24.3	20.2	16.1	-	-	
	A		-	-	68.3	62.9	57.3	51.9	46.7	42.1	38.1	-	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>				Consumption – <u>Power (Kw)</u>				Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
HGX66e/1750-4 S (S = larger motor) (²) PWS (part wind start) Displ: 152.2 m³/Hr No of Cylinders: 6 **MWC: 86.8 amps Weight: 282 kg Oil Charge: 4.4 litres	W	45.0	-	139000	114000	92700	74500	59100	46000	35000	25500	17200	-	
	P		-	38.1	35.8	33.1	30.2	27	23.7	20.3	17	13.7	-	
	A		-	68.7	65.7	62.3	58.7	55.1	51.6	48.2	45.1	42.4	-	
	W	50.0	-	128000	105000	84900	68000	53700	41600	31300	22400	-	-	
	P		-	40.7	37.9	34.8	31.4	27.9	24.2	20.5	16.8	-	-	
	A		-	72.3	68.6	64.5	60.3	56.1	52.1	48.3	44.9	-	-	
	W	55.0	-	117000	95200	76900	61400	48300	37100	27600	19300	-	-	
	P		-	43.2	39.9	36.4	32.5	28.6	24.5	20.4	16.3	-	-	
	A		-	75.8	71.3	66.5	61.6	56.9	52.4	48.2	44.5	-	-	
HGX66e/2070-4 (²) PWS (part wind start) Displ: 180 m³/Hr No of Cylinders: 6 **MWC: 85.1 amps Weight: 276 kg Oil Charge: 4.4 litres	W	45.0	-	-	134000	109000	87400	69500	54200	41200	30000	20200	-	
	P		-	-	42.6	39.3	35.7	31.9	27.9	23.8	19.8	15.8	-	
	A		-	-	72.3	67.3	61.9	56.5	51.1	46.1	41.6	37.8	-	
	W	50.0	-	-	123000	99300	79700	63100	49000	36900	26400	-	-	
	P		-	-	45.3	41.5	37.3	33	28.5	24	19.5	-	-	
	A		-	-	76.6	70.5	64.2	58	51.9	46.3	41.4	-	-	
	W	55.0	-	-	111000	89900	71900	56700	43700	32500	22600	-	-	
	P		-	-	47.8	43.4	38.7	33.8	28.8	23.8	19	-	-	
	A		-	-	80.6	73.5	66.3	59.1	52.3	46.2	40.8	-	-	
HGX66e/2070-4 S (S = larger motor) (²) PWS (part wind start) Displ: 180 m³/Hr No of Cylinders: 6 **MWC: 103.0 amps Weight: 278 kg Oil Charge: 4.4 litres	W	45.0	-	163000	134000	109000	87600	69500	54200	41200	30000	20200	-	
	P		-	45.3	42.5	39.3	35.7	31.9	28	24	19.9	16	-	
	A		-	78.8	74.8	70.4	65.7	60.9	56.2	51.8	47.8	44.3	-	
	W	50.0	-	150000	123000	99600	79900	63200	49000	36900	26400	-	-	
	P		-	48.5	45.1	41.4	37.3	33	28.6	24.1	19.7	-	-	
	A		-	83.6	78.6	73.2	67.7	62.2	56.9	52	47.6	-	-	
	W	55.0	-	137000	112000	90200	72100	56800	43700	32500	22600	-	-	
	P		-	51.5	47.6	43.2	38.6	33.8	28.9	24	19.2	-	-	
	A		-	88.2	82.2	75.8	69.5	63.2	57.3	51.9	47.1	-	-	
HGX88e/2400-4 (²) PWS (part wind start) Displ: 209.1 m³/Hr No of Cylinders: 8 **MWC: 101.0 amps Weight: 452 kg Oil Charge: 9.6 litres	W	45.0	-	-	158000	129000	104000	81900	63900	48500	35400	24000	-	
	P		-	-	50.2	46.4	42.3	37.9	33.3	28.6	24	19.5	-	
	A		-	-	85.7	79.8	73.4	67	60.6	54.6	49.3	44.7	-	
	W	50.0	-	-	146000	118000	94300	74500	57800	43500	31200	-	-	
	P		-	-	53.3	48.9	44.1	39.1	34	28.8	23.8	-	-	
	A		-	-	90.8	83.7	76.2	68.8	61.6	54.9	49	-	-	
	W	55.0	-	-	133000	107000	85200	67000	51600	38400	26900	-	-	
	P		-	-	56.2	51.1	45.7	40.1	34.4	28.7	23.2	-	-	
	A		-	-	95.5	87.2	78.7	70.2	62.1	54.8	48.4	-	-	
HGX88e/2400-4 S (S = larger motor) (²) PWS (part wind start) Displ: 209.1 m³/Hr No of Cylinders: 8 **MWC: 120.0 amps Weight: 452 kg Oil Charge: 9.6 litres	W	45.0	-	195000	160000	130000	105000	82500	64200	48800	35600	24100	-	
	P		-	52.8	49.8	46.3	42.4	38.1	33.7	29.2	24.5	20	-	
	A		-	94.7	90.5	85.9	81.1	76.1	71.3	66.8	62.6	59.1	-	
	W	50.0	-	180000	147000	119000	95100	75100	58100	43700	31300	-	-	
	P		-	56.4	52.7	48.6	44.1	39.4	34.4	29.4	24.3	-	-	
	A		-	99.7	94.5	89	83.2	77.5	72.1	67	62.5	-	-	
	W	55.0	-	164000	134000	108000	86000	67500	51900	38600	27100	-	-	
	P		-	59.8	55.4	50.7	45.6	40.3	34.8	29.3	23.8	-	-	
	A		-	105	98.3	91.8	85.1	78.6	72.5	66.9	62	-	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/Y-Y -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass (3x on HGX88e comps)
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R449A Reciprocating Semi Hermetic Compressors

Capacities R449A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>W</u> atts Consumption – <u>P</u> ower (Kw) Current – <u>A</u> mps											
			Condensing Temperature °C											
			Evaporating Temperature °C											
			10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
HGX88e/2735-4	W	45.0	-	-	181000	147000	118000	93400	72800	55300	40300	27300	-	
	P		-	-	56.7	52.5	47.9	43	37.9	32.7	27.5	22.4	-	
	A		-	-	98.9	92.6	86	79.2	72.6	66.4	60.8	56	-	
⁽²⁾ PWS (part wind start)	W	50.0	-	-	166000	135000	108000	85000	65800	49600	35500	-	-	
Displ: 237.9 m³/Hr	P		-	-	60.2	55.3	50	44.4	38.7	32.9	27.2	-	-	
No of Cylinders: 8	A		-	-	105	96.8	88.9	81.1	73.6	66.7	60.6	-	-	
**MWC: 116.0 amps	W	55.0	-	-	151000	122000	97300	76400	58800	43700	30600	-	-	
Weight: 455 kg	P		-	-	63.4	57.7	51.7	45.5	39.2	32.8	26.6	-	-	
Oil Charge: 9.6 litres	A		-	-	110	101	91.5	82.6	74.2	66.5	59.9	-	-	
HGX88e/2735-4 S (S = larger motor)	W	45.0	-	221000	182000	148000	119000	93700	73000	55400	40400	27400	-	
	P		-	60.1	56.5	52.5	48	43.1	38.1	32.9	27.7	22.5	-	
	A		-	106	99.9	94.2	88.2	82	76.1	70.4	65.4	61	-	
⁽²⁾ PWS (part wind start)	W	50.0	-	204000	167000	135000	108000	85200	66000	49700	35600	-	-	
Displ: 237.9 m³/Hr	P		-	64.3	59.9	55.2	50	44.5	38.9	33.1	27.4	-	-	
No of Cylinders: 8	A		-	112	105	98	90.8	83.8	77	70.7	65.1	-	-	
**MWC: 136.0 amps	W	55.0	-	186000	152000	123000	97600	76700	58900	43800	30700	-	-	
Weight: 464kg	P		-	68.2	63.1	57.6	51.7	45.6	39.3	33	26.8	-	-	
Oil Charge: 9.6 litres	A		-	118	110	102	93.2	85.1	77.5	70.6	64.6	-	-	
HGX88e/3235-4	W	45.0	-	-	213000	173000	139000	110000	85600	64900	47300	31900	-	
	P		-	-	66.9	61.9	56.4	50.6	44.5	38.3	32.1	26	-	
	A		-	-	116	108	99.7	91.6	83.7	76.3	69.6	63.9	-	
⁽²⁾ PWS (part wind start)	W	50.0	-	-	196000	159000	127000	100000	77400	58100	41600	-	-	
Displ: 281.3 m³/Hr	P		-	-	71	65.1	58.8	52.2	45.4	38.5	31.7	-	-	
No of Cylinders: 8	A		-	-	122	113	104	93.8	84.8	76.6	69.3	-	-	
**MWC: 135.0 amps	W	55.0	-	-	178000	144000	115000	89800	69000	51200	35800	-	-	
Weight: 459 kg	P		-	-	74.8	68	60.9	53.4	45.9	38.3	30.9	-	-	
Oil Charge: 9.6 litres	A		-	-	128	118	107	95.6	85.5	76.3	68.4	-	-	
HGX88e/3235-4 S (S = larger motor)	W	45.0	-	261000	214000	174000	140000	111000	85800	65100	47400	32000	-	
	P		-	70.7	66.5	61.7	56.4	50.7	44.7	38.6	32.4	26.3	-	
	A		-	126	120	113	106	98.4	91.4	84.9	79	73.9	-	
⁽²⁾ PWS (part wind start)	W	50.0	-	240000	197000	159000	128000	101000	77600	58200	41600	-	-	
Displ: 281.3 m³/Hr	P		-	75.5	70.5	64.8	58.7	52.3	45.6	38.8	32.1	-	-	
No of Cylinders: 8	A		-	133	125	117	109	101	92.4	85.1	78.7	-	-	
**MWC: 162.0 amps	W	55.0	-	220000	179000	145000	115000	90100	69200	51300	35900	-	-	
Weight: 467 kg	P		-	80.1	74.1	67.6	60.7	53.5	46.1	38.7	31.3	-	-	
Oil Charge: 9.6 litres	A		-	140	131	121	112	102	93	85	78	-	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/Y -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Compressors supplied standard with:

Service Valves
Oil Sight Glass (3x on HGX88e comps)
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>													
	Condensing Temperature °C													
	Evaporating Temperature °C													
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35			
HGX12P/60-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 5.4 m³/Hr No of Cylinders: 2 **MWC: 3.9 amps Weight: 48 kg Oil Charge: 0.8 litres	W	45.0	4320	3580	2940	2390	1900	1490	1140	836	587	379	-	
	P		0.93	0.91	0.86	0.81	0.74	0.68	0.61	0.55	0.51	0.48	-	
	A		2.2	2.17	2.12	2.06	1.99	1.93	1.87	1.81	1.77	1.75	-	
	W	50.0	3970	3300	2700	2190	1740	1350	1030	742	505	302	-	
	P		1.01	0.97	0.91	0.85	0.77	0.7	0.63	0.57	0.52	0.49	-	
	A		2.3	2.25	2.18	2.1	2.02	1.95	1.88	1.83	1.79	1.76	-	
	W	55.0	3640	3020	2470	1990	1580	1220	913	649	422	224	-	
	P		1.08	1.02	0.96	0.88	0.8	0.72	0.65	0.58	0.54	0.51	-	
	A		2.39	2.32	2.23	2.14	2.05	1.97	1.9	1.84	1.8	1.78	-	
	HGX12P/75-4 (⁽¹⁾ DOL (direct online) Displ: 6.7 m³/Hr No of Cylinders: 2 **MWC: 4.1 amps Weight: 48 kg Oil Charge: 0.8 litres	W	45.0	-	4480	3680	2980	2380	1860	1420	1050	734	474	-
		P		-	1.13	1.07	1.01	0.93	0.85	0.77	0.69	0.63	0.59	-
		A		-	2.46	2.39	2.3	2.2	2.1	2.02	1.94	1.88	1.85	-
W		50.0	-	4120	3380	2730	2170	1690	1280	927	630	377	-	
P			-	1.21	1.14	1.05	0.97	0.88	0.79	0.71	0.65	0.62	-	
A			-	2.56	2.47	2.36	2.24	2.14	2.04	1.96	1.9	1.87	-	
W		55.0	-	3770	3080	2490	1970	1530	1140	811	528	280	-	
P			-	1.28	1.19	1.1	1	0.9	0.81	0.73	0.67	0.64	-	
A			-	2.67	2.55	2.41	2.28	2.16	2.06	1.98	1.92	1.89	-	
HGX12P/75-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 6.7 m³/Hr No of Cylinders: 2 **MWC: 4.6 amps Weight: 49 kg Oil Charge: 0.8 litres		W	45.0	5530	4600	3770	3050	2420	1870	1410	1030	712	460	-
		P		1.26	1.24	1.19	1.13	1.05	0.96	0.86	0.75	0.65	0.54	-
		A		2.86	2.83	2.79	2.73	2.66	2.58	2.5	2.42	2.36	2.3	-
	W	50.0	5140	4260	3480	2800	2210	1710	1270	909	613	373	-	
	P		1.36	1.32	1.26	1.18	1.09	0.99	0.88	0.76	0.64	0.53	-	
	A		2.97	2.92	2.86	2.78	2.69	2.6	2.51	2.43	2.35	2.29	-	
	W	55.0	4730	3910	3190	2560	2010	1530	1130	793	515	289	-	
	P		1.46	1.41	1.33	1.23	1.12	1.01	0.89	0.76	0.64	0.52	-	
	A		3.08	3.01	2.93	2.83	2.72	2.62	2.52	2.43	2.35	2.29	-	
	HGX12P/90-4 (⁽¹⁾ DOL (direct online) Displ: 8.0 m³/Hr No of Cylinders: 2 **MWC: 4.9 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	5400	4430	3590	2860	2230	1710	1270	902	612	-
		P		-	1.45	1.39	1.31	1.21	1.1	0.98	0.87	0.76	0.66	-
		A		-	3.06	3	2.91	2.81	2.7	2.59	2.5	2.42	2.36	-
W		50.0	-	4990	4080	3290	2610	2030	1540	1130	793	522	-	
P			-	1.56	1.48	1.38	1.26	1.14	1.01	0.89	0.77	0.67	-	
A			-	3.19	3.1	2.99	2.86	2.74	2.62	2.52	2.43	2.37	-	
W		55.0	-	4580	3740	3000	2370	1830	1380	999	689	437	-	
P			-	1.67	1.57	1.45	1.31	1.17	1.03	0.9	0.78	0.68	-	
A			-	3.32	3.2	3.06	2.91	2.77	2.64	2.53	2.44	2.38	-	
HGX12P/90-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 8.0 m³/Hr No of Cylinders: 2 **MWC: 5.3 amps Weight: 49 kg Oil Charge: 0.8 litres		W	45.0	6610	5450	4450	3590	2870	2250	1730	1290	919	601	-
		P		1.5	1.48	1.43	1.36	1.26	1.15	1.03	0.92	0.79	0.68	-
		A		3.43	3.41	3.36	3.29	3.21	3.12	3.03	2.94	2.87	2.8	-
	W	50.0	6130	5050	4120	3320	2640	2070	1580	1160	803	490	-	
	P		1.64	1.59	1.52	1.43	1.31	1.19	1.06	0.92	0.79	0.67	-	
	A		3.55	3.51	3.44	3.35	3.25	3.15	3.04	2.95	2.87	2.8	-	
	W	55.0	5650	4650	3780	3050	2420	1880	1420	1030	682	373	-	
	P		1.76	1.7	1.6	1.49	1.36	1.22	1.07	0.93	0.78	0.65	-	
	A		3.69	3.62	3.52	3.41	3.29	3.17	3.05	2.95	2.86	2.79	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/Y-3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35
HGX12P/110-4 (¹) DOL (direct online) Displ: 9.4 m³/Hr No of Cylinders: 2 **MWC: 5.3 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	6280	5150	4170	3330	2610	1990	1470	1030	664	-
	P		-	1.58	1.51	1.41	1.3	1.18	1.07	0.97	0.89	0.83	-
	A		-	3.22	3.13	3.02	2.9	2.78	2.67	2.58	2.52	2.48	-
	W	50.0	-	5770	4730	3830	3040	2370	1790	1300	884	529	-
	P		-	1.69	1.59	1.48	1.35	1.22	1.1	1	0.92	0.87	-
	A		-	3.35	3.23	3.09	2.95	2.82	2.7	2.61	2.54	2.5	-
	W	55.0	-	5280	4320	3490	2760	2140	1600	1140	740	392	-
	P		-	1.79	1.67	1.54	1.4	1.26	1.13	1.02	0.94	0.89	-
	A		-	3.48	3.33	3.16	3	2.85	2.73	2.63	2.56	2.52	-
HGX12P/110-4 S (S = larger motor) (¹) DOL (direct online) Displ: 9.4 m³/Hr No of Cylinders: 2 **MWC: 6.1 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	7560	6280	5150	4170	3330	2610	1990	1470	1030	664	-
	P		1.63	1.58	1.51	1.41	1.3	1.18	1.07	0.97	0.89	0.83	-
	A		3.55	3.5	3.43	3.34	3.24	3.14	3.05	2.98	2.92	2.89	-
	W	50.0	6960	5770	4730	3830	3040	2370	1790	1300	884	529	-
	P		1.76	1.69	1.59	1.48	1.35	1.22	1.1	1	0.92	0.87	-
	A		3.69	3.61	3.51	3.4	3.28	3.17	3.08	3	2.94	2.91	-
	W	55.0	6380	5280	4320	3490	2760	2140	1600	1140	740	392	-
	P		1.89	1.79	1.67	1.54	1.4	1.26	1.13	1.02	0.94	0.89	-
	A		3.83	3.72	3.59	3.46	3.32	3.2	3.1	3.02	2.96	2.93	-
HGX22e/125-4 (¹) DOL (direct online) Displ: 11.1 m³/Hr No of Cylinders: 2 **MWC: 5.4 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	7650	6270	5040	3960	3030	2250	1610	1120	754	-
	P		-	1.85	1.78	1.68	1.54	1.39	1.22	1.06	0.91	0.77	-
	A		-	4	3.93	3.82	3.7	3.56	3.42	3.3	3.2	3.12	-
	W	50.0	-	7090	5780	4630	3620	2750	2020	1440	978	657	-
	P		-	1.98	1.88	1.75	1.59	1.41	1.24	1.06	0.91	0.77	-
	A		-	4.14	4.03	3.89	3.74	3.58	3.43	3.31	3.2	3.12	-
	W	55.0	-	6520	5300	4220	3280	2470	1800	1270	855	573	-
	P		-	2.1	1.97	1.81	1.63	1.44	1.25	1.06	0.91	0.78	-
	A		-	4.28	4.13	3.96	3.78	3.6	3.44	3.31	3.2	3.12	-
HGX22e/125-4 S (S = larger motor) (¹) DOL (direct online) Displ: 11.1 m³/Hr No of Cylinders: 2 **MWC: 6.2 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	9190	7660	6280	5050	3970	3040	2250	1610	1120	756	-
	P		1.86	1.85	1.78	1.68	1.54	1.39	1.22	1.06	0.91	0.77	-
	A		4.01	4	3.93	3.83	3.7	3.56	3.42	3.3	3.2	3.12	-
	W	50.0	8550	7100	5790	4640	3630	2760	2030	1440	977	658	-
	P		2.03	1.99	1.89	1.76	1.6	1.42	1.24	1.06	0.91	0.78	-
	A		4.2	4.15	4.04	3.9	3.75	3.59	3.44	3.31	3.2	3.12	-
	W	55.0	7890	6530	5310	4230	3280	2480	1810	1270	853	572	-
	P		2.2	2.11	1.98	1.82	1.64	1.44	1.25	1.07	0.91	0.78	-
	A		4.39	4.29	4.14	3.97	3.79	3.61	3.45	3.31	3.2	3.13	-
HGX22e/160-4 (¹) DOL (direct online) Displ: 13.7 m³/Hr No of Cylinders: 2 **MWC: 6.4 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	9430	7740	6260	4980	3890	2960	2180	1530	979	-
	P		-	2.24	2.15	2.04	1.91	1.75	1.57	1.38	1.16	0.93	-
	A		-	4.44	4.33	4.21	4.06	3.9	3.73	3.55	3.38	3.21	-
	W	50.0	-	8760	7170	5780	4580	3560	2680	1940	1310	783	-
	P		-	2.41	2.29	2.15	1.99	1.8	1.6	1.38	1.14	0.88	-
	A		-	4.65	4.5	4.33	4.15	3.95	3.75	3.55	3.36	3.19	-
	W	55.0	-	8100	6610	5310	4190	3220	2400	1690	1090	569	-
	P		-	2.57	2.42	2.25	2.06	1.84	1.61	1.36	1.1	0.82	-
	A		-	4.85	4.66	4.45	4.23	3.99	3.76	3.54	3.33	3.15	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>													
			Condensing Temperature °C											
			Evaporating Temperature °C											
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35	
HGX22e/160-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 13.7 m³/Hr No of Cylinders: 2 **MWC: 7.6 amps Weight: 75 kg Oil Charge: 1.1 litres	W	45.0	11600	9620	7890	6350	5010	3860	2890	2090	1470	1010	-	
	P		2.31	2.27	2.18	2.05	1.9	1.72	1.53	1.33	1.14	0.97	-	
	A		4.81	4.76	4.66	4.53	4.36	4.18	4	3.82	3.65	3.5	-	
	W	50.0	10800	8930	7280	5830	4570	3490	2590	1860	1290	881	-	
	P		2.51	2.43	2.3	2.14	1.96	1.76	1.55	1.34	1.14	0.95	-	
	A		5.04	4.94	4.8	4.63	4.43	4.22	4.02	3.82	3.64	3.49	-	
	W	55.0	9980	8230	6680	5320	4140	3140	2310	1640	1130	772	-	
	P		2.7	2.57	2.41	2.22	2.01	1.79	1.56	1.34	1.12	0.93	-	
	A		5.26	5.11	4.93	4.71	4.48	4.25	4.03	3.82	3.63	3.47	-	
	HGX22e/190-4 (⁽¹⁾) DOL (direct online) Displ: 16.5 m³/Hr No of Cylinders: 2 **MWC: 8.0 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	11700	9640	7870	6300	4940	3770	2790	1990	1370	-
		P		-	2.79	2.65	2.48	2.28	2.07	1.84	1.6	1.36	1.12	-
		A		-	5.13	4.94	4.73	4.49	4.24	3.99	3.75	3.54	3.35	-
W		50.0	-	10800	8940	7270	5800	4520	3430	2520	1790	1220	-	
P			-	3.01	2.83	2.62	2.39	2.14	1.89	1.63	1.37	1.12	-	
A			-	5.43	5.18	4.9	4.62	4.32	4.04	3.78	3.55	3.35	-	
W		55.0	-	9990	8230	6670	5300	4110	3100	2260	1590	1090	-	
P			-	3.22	2.99	2.74	2.48	2.21	1.93	1.65	1.38	1.11	-	
A			-	5.72	5.41	5.07	4.73	4.4	4.09	3.8	3.55	3.34	-	
HGX22e/190-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 16.5 m³/Hr No of Cylinders: 2 **MWC: 9.4 amps Weight: 75 kg Oil Charge: 1.1 litres		W	45.0	13800	11600	9590	7830	6280	4940	3800	2850	2090	1510	-
		P		2.83	2.75	2.63	2.48	2.3	2.1	1.89	1.67	1.44	1.22	-
		A		5.41	5.32	5.18	5.0	4.8	4.58	4.36	4.13	3.92	3.71	-
	W	50.0	12900	10800	8890	7240	5790	4540	3470	2590	1880	1340	-	
	P		3.09	2.96	2.8	2.61	2.4	2.18	1.94	1.69	1.45	1.21	-	
	A		5.74	5.58	5.39	5.16	4.92	4.66	4.41	4.16	3.92	3.71	-	
	W	55.0	11900	9920	8190	6650	5300	4130	3140	2320	1660	1170	-	
	P		3.34	3.17	2.96	2.74	2.49	2.23	1.97	1.7	1.44	1.19	-	
	A		6.06	5.84	5.58	5.31	5.02	4.73	4.44	4.17	3.92	3.69	-	
	HGX34e/215-4 (⁽¹⁾) DOL (direct online) Displ: 18.8 m³/Hr No of Cylinders: 4 **MWC: 8.1 amps Weight: 91.0 kg Oil Charge: 1.3 litres	W	45.0	-	12800	10500	8360	6540	4990	3680	2620	1790	1210	-
		P		-	3.07	2.88	2.66	2.42	2.15	1.89	1.64	1.42	1.23	-
		A		-	5.71	5.49	5.22	4.93	4.64	4.36	4.11	3.9	3.73	-
W		50.0	-	11800	9540	7590	5890	4440	3240	2270	1540	1040	-	
P			-	3.27	3.03	2.76	2.47	2.18	1.9	1.64	1.42	1.24	-	
A			-	5.98	5.67	5.34	5.0	4.67	4.37	4.11	3.89	3.73	-	
W		55.0	-	10800	8640	6820	5250	3910	2820	1950	1310	889	-	
P			-	3.46	3.16	2.84	2.52	2.2	1.9	1.63	1.41	1.24	-	
A			-	6.22	5.83	5.43	5.05	4.69	4.37	4.1	3.88	3.73	-	
HGX34e/215-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 18.8 m³/Hr No of Cylinders: 4 **MWC: 10.5 amps Weight: 97 kg Oil Charge: 1.3 litres		W	45.0	15400	12800	10500	8360	6540	4990	3680	2620	1790	1210	-
		P		3.2	3.07	2.88	2.66	2.42	2.15	1.89	1.64	1.42	1.23	-
		A		7.1	6.96	6.77	6.55	6.32	6.08	5.85	5.65	5.47	5.33	-
	W	50.0	14300	11800	9540	7590	5890	4440	3240	2270	1540	1040	-	
	P		3.48	3.27	3.03	2.76	2.47	2.18	1.9	1.64	1.42	1.24	-	
	A		7.4	7.18	6.93	6.65	6.37	6.1	5.86	5.64	5.47	5.34	-	
	W	55.0	13100	10800	8640	6820	5250	3910	2820	1950	1310	889	-	
	P		3.73	3.46	3.16	2.84	2.52	2.2	1.9	1.63	1.41	1.24	-	
	A		7.68	7.38	7.06	6.73	6.41	6.12	5.86	5.64	5.46	5.34	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/Y-3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>				Consumption – <u>Power (Kw)</u>				Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35	
HGX34e/255-4 (¹) DOL (direct online) Displ: 22.1 m³/Hr No of Cylinders: 4 **MWC: 9.8 amps Weight: 91 kg Oil Charge: 1.3 litres	W	45.0	-	15400	12600	10200	7970	6090	4510	3220	2220	1510	-	
	P		-	3.65	3.49	3.26	2.98	2.66	2.33	2	1.69	1.43	-	
	A		-	6.47	6.26	5.96	5.6	5.21	4.83	4.47	4.16	3.9	-	
	W	50.0	-	14200	11600	9310	7280	5540	4070	2880	1960	1330	-	
	P		-	3.93	3.71	3.42	3.08	2.73	2.36	2.01	1.68	1.41	-	
	A		-	6.86	6.55	6.16	5.74	5.29	4.87	4.48	4.15	3.88	-	
	W	55.0	-	13000	10700	8470	6600	4990	3640	2550	1730	1170	-	
	P		-	4.19	3.9	3.55	3.17	2.77	2.37	2	1.65	1.37	-	
	A		-	7.21	6.81	6.34	5.85	5.35	4.88	4.47	4.12	3.85	-	
HGX34e/255-4 S (S = larger motor) (¹) DOL (direct online) Displ: 22.1 m³/Hr No of Cylinders: 4 **MWC: 12.2 amps Weight: 97 kg Oil Charge: 1.3 litres	W	45.0	18400	15400	12600	10200	7970	6090	4510	3220	2220	1510	-	
	P		3.72	3.65	3.49	3.26	2.98	2.66	2.33	2	1.69	1.43	-	
	A		7.67	7.59	7.41	7.16	6.87	6.55	6.23	5.94	5.68	5.48	-	
	W	50.0	17100	14200	11600	9310	7280	5540	4070	2880	1960	1330	-	
	P		4.08	3.93	3.71	3.42	3.08	2.73	2.36	2.01	1.68	1.41	-	
	A		8.08	7.91	7.65	7.33	6.98	6.62	6.27	5.95	5.68	5.46	-	
	W	55.0	15700	13000	10700	8470	6600	4990	3640	2550	1730	1170	-	
	P		4.4	4.19	3.9	3.55	3.17	2.77	2.37	2	1.65	1.37	-	
	A		8.47	8.21	7.87	7.48	7.07	6.66	6.28	5.94	5.65	5.43	-	
HGX34e/315-4 (¹) DOL (direct online) Displ: 27.3 m³/Hr No of Cylinders: 4 **MWC: 12.2 amps Weight: 93 kg Oil Charge: 1.3 litres	W	45.0	-	18900	15500	12400	9790	7570	5700	4170	2960	2030	-	
	P		-	4.52	4.29	3.99	3.65	3.27	2.87	2.46	2.07	1.7	-	
	A		-	8.1	7.8	7.42	6.99	6.53	6.07	5.63	5.23	4.88	-	
	W	50.0	-	17400	14200	11400	8950	6880	5140	3720	2600	1740	-	
	P		-	4.85	4.55	4.19	3.79	3.36	2.91	2.47	2.04	1.65	-	
	A		-	8.54	8.14	7.67	7.16	6.64	6.13	5.64	5.21	4.83	-	
	W	55.0	-	16000	13000	10400	8110	6190	4590	3280	2240	1450	-	
	P		-	5.15	4.79	4.37	3.91	3.42	2.93	2.45	1.99	1.58	-	
	A		-	8.96	8.46	7.9	7.31	6.72	6.15	5.62	5.16	4.76	-	
HGX34e/315-4 S (S = larger motor) (¹) DOL (direct online) Displ: 27.3 m³/Hr No of Cylinders: 4 **MWC: 14.7 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	22800	18900	15500	12400	9790	7570	5700	4170	2960	2030	-	
	P		4.67	4.52	4.29	3.99	3.65	3.27	2.87	2.46	2.07	1.7	-	
	A		8.79	8.61	8.33	7.98	7.59	7.17	6.76	6.36	6	5.69	-	
	W	50.0	21100	17400	14200	11400	8950	6880	5140	3720	2600	1740	-	
	P		5.07	4.85	4.55	4.19	3.79	3.36	2.91	2.47	2.04	1.65	-	
	A		9.31	9.02	8.65	8.22	7.75	7.27	6.8	6.37	5.98	5.65	-	
	W	55.0	19400	16000	13000	10400	8110	6190	4590	3280	2240	1450	-	
	P		5.45	5.15	4.79	4.37	3.91	3.42	2.93	2.45	1.99	1.58	-	
	A		9.81	9.42	8.95	8.43	7.88	7.34	6.83	6.35	5.94	5.59	-	
HGX34e/380-4 (¹) DOL (direct online) Displ: 33.1 m³/Hr No of Cylinders: 4 **MWC: 15.1 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	-	22900	18900	15400	12300	9580	7340	5480	3980	2820	-	
	P		-	5.61	5.31	4.94	4.51	4.04	3.55	3.05	2.57	2.11	-	
	A		-	9.59	9.17	8.66	8.09	7.48	6.87	6.28	5.75	5.27	-	
	W	50.0	-	21200	17400	14100	11300	8760	6670	4940	3540	2450	-	
	P		-	6.01	5.63	5.18	4.69	4.16	3.62	3.07	2.55	2.06	-	
	A		-	10.2	9.62	9	8.32	7.63	6.95	6.31	5.73	5.22	-	
	W	55.0	-	19500	16000	12900	10300	7940	6010	4400	3100	2070	-	
	P		-	6.38	5.92	5.4	4.84	4.25	3.65	3.07	2.5	1.98	-	
	A		-	10.8	10.1	9.3	8.53	7.75	7	6.3	5.68	5.14	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
	Condensing Temperature °C												
	Evaporating Temperature °C												
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35		
HGX34e/380-4 S (S = larger motor) (¹) DOL (direct online) Displ: 33.1 m³/Hr No of Cylinders: 4 **MWC: 18.0 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	27400	22900	18900	15400	12300	9580	7340	5480	3980	2820	-
	P		5.82	5.61	5.31	4.94	4.51	4.04	3.55	3.05	2.57	2.11	-
	A		10.3	10.1	9.62	9.14	8.6	8.04	7.48	6.95	6.46	6.04	-
	W	50.0	25400	21200	17400	14100	11300	8760	6670	4940	3540	2450	-
	P		6.31	6.01	5.63	5.18	4.69	4.16	3.62	3.07	2.55	2.06	-
	A		11	10.6	10.1	9.45	8.82	8.18	7.55	6.97	6.45	6	-
	W	55.0	23400	19500	16000	12900	10300	7940	6010	4400	3100	2070	-
	P		6.77	6.38	5.92	5.4	4.84	4.25	3.65	3.07	2.5	1.98	-
	A		11.7	11.1	10.5	9.74	9.01	8.29	7.6	6.96	6.4	5.93	-
HGX44e/475-4 (²) PWS (part wind start) Displ: 41.3 m³/Hr No of Cylinders: 4 **MWC: 19.0 amps Weight: 165 kg Oil Charge: 2.7 litres	W	45.0	-	29300	24100	19600	15700	12400	9490	7110	5100	3390	-
	P		-	6.45	6.17	5.81	5.37	4.88	4.35	3.81	3.26	2.72	-
	A		-	12.2	11.8	11.4	10.9	10.3	9.7	9.13	8.57	8.06	-
	W	50.0	-	27200	22300	18100	14400	11300	8660	6430	4520	2880	-
	P		-	6.97	6.61	6.16	5.64	5.08	4.49	3.88	3.27	2.69	-
	A		-	12.8	12.4	11.8	11.2	10.6	9.85	9.2	8.59	8.03	-
	W	55.0	-	25100	20500	16600	13200	10300	7830	5740	3940	2360	-
	P		-	7.46	7.01	6.47	5.88	5.24	4.58	3.91	3.25	2.62	-
	A		-	13.5	12.9	12.2	11.5	10.7	9.95	9.23	8.56	7.96	-
HGX44e/475-4 S (S = larger motor) (²) PWS (part wind start) Displ: 41.3 m³/Hr No of Cylinders: 4 **MWC: 23.0 amps Weight: 170 kg Oil Charge: 2.7 litres	W	45.0	35500	29500	24200	19700	15700	12400	9530	7130	5110	3390	-
	P		6.67	6.51	6.24	5.88	5.45	4.96	4.44	3.89	3.35	2.81	-
	A		14.4	14.2	13.9	13.6	13.1	12.7	12.2	11.7	11.2	10.8	-
	W	50.0	33000	27400	22400	18200	14500	11400	8700	6450	4530	2890	-
	P		7.28	7.02	6.66	6.22	5.72	5.16	4.57	3.97	3.36	2.78	-
	A		15.1	14.8	14.4	13.9	13.4	12.9	12.3	11.8	11.3	10.8	-
	W	55.0	30600	25300	20700	16700	13300	10400	7860	5760	3950	2370	-
	P		7.86	7.5	7.06	6.53	5.94	5.32	4.66	4.0	3.34	2.71	-
	A		15.7	15.3	14.8	14.2	13.6	13.0	12.4	11.8	11.2	10.7	-
HGX44e/565-4 (²) PWS (part wind start) Displ: 49.2 m³/Hr No of Cylinders: 4 **MWC: 22.0 amps Weight: 166 kg Oil Charge: 2.7 litres	W	45.0	-	35000	28800	23400	18800	14900	11600	8690	6280	4230	-
	P		-	7.68	7.34	6.9	6.38	5.79	5.15	4.5	3.84	3.2	-
	A		-	13.8	13.3	12.8	12.1	11.4	10.6	9.86	9.16	8.52	-
	W	50.0	-	32500	26700	21700	17400	13700	10600	7890	5610	3640	-
	P		-	8.31	7.87	7.33	6.71	6.03	5.31	4.58	3.86	3.17	-
	A		-	14.6	14	13.3	12.5	11.7	10.8	9.96	9.18	8.48	-
	W	55.0	-	30000	24600	20000	16000	12600	9590	7090	4930	3030	-
	P		-	8.91	8.35	7.7	6.99	6.22	5.42	4.62	3.83	3.07	-
	A		-	15.5	14.7	13.8	12.9	11.9	11.0	9.99	9.15	8.39	-
HGX44e/565-4 S (S = larger motor) (²) PWS (part wind start) Displ: 49.2 m³/Hr No of Cylinders: 4 **MWC: 26.0 amps Weight: 173 kg Oil Charge: 2.7 litres	W	45.0	42500	35300	29000	23600	19000	15000	11600	8720	6300	4240	-
	P		7.91	7.72	7.4	6.97	6.46	5.88	5.26	4.62	3.97	3.33	-
	A		16.4	16.2	15.9	15.4	14.9	14.4	13.8	13.2	12.7	12.2	-
	W	50.0	39600	32800	26900	21900	17500	13800	10700	7930	5630	3650	-
	P		8.64	8.34	7.91	7.39	6.78	6.12	5.42	4.7	3.99	3.3	-
	A		17.2	16.9	16.4	15.9	15.3	14.6	13.9	13.3	12.7	12.2	-
	W	55.0	36700	30300	24900	20100	16100	12600	9650	7130	4960	3050	-
	P		9.33	8.91	8.38	7.75	7.05	6.31	5.53	4.74	3.96	3.21	-
	A		18.0	17.5	16.9	16.3	15.5	14.8	14.0	13.3	12.7	12.1	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
			Condensing Temperature °C										
			Evaporating Temperature °C										
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35
HGX44e/665-4 (²) PWS (part wind start) Displ: 57.7 m³/Hr No of Cylinders: 4 **MWC: 26.0 amps Weight: 174 kg Oil Charge: 2.7 litres	W	45.0	-	41800	34400	27900	22300	17400	13400	9910	7140	4940	-
	P		-	9.25	8.83	8.26	7.59	6.84	6.03	5.2	4.38	3.59	-
	A		-	17.4	16.9	16.2	15.4	14.6	13.7	12.9	12.1	11.4	-
	W	50.0	-	38800	31800	25700	20400	15900	12100	8940	6360	4310	-
	P		-	10	9.42	8.72	7.92	7.06	6.16	5.26	4.37	3.54	-
	A		-	18.4	17.6	16.8	15.8	14.8	13.9	12.9	12.1	11.4	-
	W	55.0	-	35700	29200	23500	18600	14500	10900	7980	5600	3700	-
	P		-	10.6	9.95	9.12	8.2	7.23	6.25	5.27	4.32	3.44	-
	A		-	19.3	18.3	17.3	16.1	15	13.9	13	12.1	11.3	-
HGX44e/665-4 S (S = larger motor) (²) PWS (part wind start) Displ: 57.7 m³/Hr No of Cylinders: 4 **MWC: 30.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W	45.0	49400	40900	33600	27300	21800	17200	13200	9830	7020	4640	-
	P		9.25	9.02	8.64	8.14	7.53	6.85	6.12	5.36	4.59	3.85	-
	A		17.9	17.7	17.2	16.7	16	15.3	14.6	13.9	13.2	12.6	-
	W	50.0	45900	38000	31100	25200	20100	15700	12000	8870	6210	3920	-
	P		10.1	9.75	9.24	8.62	7.91	7.13	6.3	5.46	4.62	3.8	-
	A		18.9	18.5	17.9	17.2	16.4	15.6	14.8	14	13.2	12.6	-
	W	55.0	42400	35000	28600	23100	18400	14300	10900	7890	5380	3200	-
	P		10.9	10.4	9.8	9.06	8.23	7.35	6.43	5.5	4.58	3.7	-
	A		19.9	19.3	18.6	17.7	16.8	15.8	14.9	14	13.2	12.5	-
HGX44e/770-4 (²) PWS (part wind start) Displ: 67 m³/Hr No of Cylinders: 4 **MWC: 30.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W	45.0	-	47600	39200	31900	25600	20200	15600	11800	8440	5650	-
	P		-	10.4	9.99	9.4	8.7	7.9	7.05	6.16	5.27	4.4	-
	A		-	19.3	18.8	18.1	17.3	16.4	15.5	14.6	13.8	13.1	-
	W	50.0	-	44200	36300	29500	23600	18600	14300	10700	7510	4830	-
	P		-	11.2	10.7	9.97	9.14	8.23	7.26	6.28	5.3	4.35	-
	A		-	20.4	19.6	18.8	17.8	16.8	15.7	14.8	13.8	13	-
	W	55.0	-	40900	33500	27100	21600	16900	13000	9510	6580	4010	-
	P		-	12	11.3	10.4	9.51	8.48	7.41	6.33	5.26	4.23	-
	A		-	21.4	20.5	19.4	18.2	17.1	15.9	14.8	13.8	12.9	-
HGX44e/770-4 S (S = larger motor) (²) PWS (part wind start) Displ: 67 m³/Hr No of Cylinders: 4 **MWC: 35.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W	45.0	57400	47600	39200	31900	25600	20200	15600	11800	8440	5650	-
	P		10.7	10.4	9.99	9.4	8.7	7.9	7.05	6.16	5.27	4.4	-
	A		19.7	19.3	18.8	18.1	17.3	16.4	15.5	14.6	13.8	13.1	-
	W	50.0	53400	44200	36300	29500	23600	18600	14300	10700	7510	4830	-
	P		11.7	11.2	10.7	9.97	9.14	8.23	7.26	6.28	5.3	4.35	-
	A		20.9	20.4	19.6	18.8	17.8	16.8	15.7	14.8	13.8	13	-
	W	55.0	49400	40900	33500	27100	21600	16900	13000	9510	6580	4010	-
	P		12.6	12	11.3	10.4	9.51	8.48	7.41	6.33	5.26	4.23	-
	A		22.2	21.4	20.5	19.4	18.2	17.1	15.9	14.8	13.8	12.9	-
HGX56e/850-4 (²) PWS (part wind start) Displ: 73.8 m³/Hr No of Cylinders: 6 **MWC: 32.6 amps Weight: 194 kg Oil Charge: 3.2 litres	W	45.0	-	53500	44000	35800	28600	22500	17400	13000	9440	6530	-
	P		-	12.0	11.4	10.6	9.78	8.8	7.74	6.63	5.51	4.38	-
	A		-	21.3	20.5	19.6	18.5	17.4	16.2	15.1	14.0	13.0	-
	W	50.0	-	49600	40700	33000	26400	20700	15900	11900	8470	5720	-
	P		-	12.9	12.1	11.2	10.2	9.11	7.93	6.71	5.47	4.26	-
	A		-	22.6	21.5	20.4	19.1	17.8	16.4	15.2	14.0	12.9	-
	W	55.0	-	45700	37500	30300	24200	18900	14400	10700	7500	4900	-
	P		-	13.8	12.8	11.8	10.6	9.37	8.06	6.72	5.39	4.08	-
	A		-	23.8	22.5	21.1	19.6	18.1	16.6	15.2	13.9	12.8	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)		Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>											
		Condensing Temperature °C											
		Evaporating Temperature °C											
		15	10	5	0	-5	-10	-15	-20	-25	-30	-35	
HGX56e/850-4 S (S = larger motor) (²) PWS (part wind start) Displ: 73.8 m³/Hr No of Cylinders: 6 **MWC: 39.4 amps Weight: 211 kg Oil Charge: 3.2 litres	W	45.0	64600	53700	44200	35900	28700	22600	17400	13100	9470	6550	-
	P		12.4	12	11.4	10.7	9.84	8.87	7.83	6.73	5.61	4.49	-
	A		23.8	23.3	22.6	21.7	20.8	19.7	18.6	17.6	16.5	15.6	-
	W	50.0	60000	49800	40900	33200	26500	20800	16000	11900	8500	5740	-
	P		13.5	12.9	12.2	11.3	10.2	9.18	8.01	6.8	5.58	4.37	-
	A		25.2	24.4	23.5	22.4	21.3	20.1	18.8	17.6	16.5	15.5	-
	W	55.0	55400	45900	37600	30400	24300	19000	14500	10700	7530	4910	-
	P		14.5	13.8	12.8	11.8	10.6	9.44	8.14	6.82	5.5	4.19	-
	A		26.5	25.5	24.3	23.1	21.7	20.3	19	17.7	16.4	15.3	-
HGX56e/995-4 (²) PWS (part wind start) Displ: 86.6 m³/Hr No of Cylinders: 6 **MWC: 38.9 amps Weight: 209 kg Oil Charge: 3.2 litres	W	45.0	-	62100	51100	41500	33200	26000	19900	14800	10500	7000	-
	P		-	13.7	13.1	12.2	11.1	10	8.78	7.5	6.23	4.99	-
	A		-	25.5	24.6	23.5	22.3	21	19.6	18.3	17.1	16	-
	W	50.0	-	57600	47300	38300	30500	23900	18100	13300	9260	5930	-
	P		-	14.8	13.9	12.9	11.6	10.3	8.98	7.58	6.19	4.85	-
	A		-	26.9	25.7	24.4	22.9	21.4	19.8	18.4	17.1	15.9	-
	W	55.0	-	53000	43500	35100	27900	21700	16400	11900	8020	4830	-
	P		-	15.8	14.7	13.5	12.1	10.6	9.11	7.58	6.08	4.64	-
	A		-	28.2	26.8	25.1	23.4	21.7	20	18.4	17	15.7	-
HGX56e/995-4 S (S = larger motor) (²) PWS (part wind start) Displ: 86.6 m³/Hr No of Cylinders: 6 **MWC: 46.4 amps Weight: 211 kg Oil Charge: 3.2 litres	W	45.0	74800	62300	51200	41600	33200	26000	19900	14800	10500	7000	-
	P		14.2	13.8	13.1	12.2	11.1	10	8.79	7.52	6.25	5.02	-
	A		28	27.5	26.7	25.8	24.7	23.5	22.3	21.2	20.1	19.2	-
	W	50.0	69400	57700	47400	38400	30600	23900	18200	13300	9260	5930	-
	P		15.5	14.8	13.9	12.9	11.6	10.3	8.99	7.59	6.21	4.88	-
	A		29.6	28.8	27.7	26.5	25.2	23.8	22.5	21.2	20.1	19.1	-
	W	55.0	64100	53200	43600	35200	28000	21700	16400	11900	8020	4840	-
	P		16.7	15.8	14.7	13.5	12.1	10.6	9.12	7.59	6.1	4.67	-
	A		31.1	30.0	28.6	27.2	25.7	24.1	22.6	21.2	20.0	18.9	-
HGX56e/1155-4 (²) PWS (part wind start) Displ: 100.4 m³/Hr No of Cylinders: 6 **MWC: 46.9 amps Weight: 212 kg Oil Charge: 3.2 litres	W	45.0	-	71100	58400	47300	37800	29600	22800	17000	12300	8460	-
	P		-	17.0	16.0	14.8	13.5	12.0	10.5	9.07	7.59	6.2	-
	A		-	31.4	30.1	28.7	27.2	25.6	24.0	22.6	21.2	20.1	-
	W	50.0	-	66000	54100	43800	34900	27300	20800	15500	11000	7340	-
	P		-	18.2	17.0	15.6	14.1	12.5	10.8	9.21	7.6	6.08	-
	A		-	33.0	31.4	29.7	27.9	26.1	24.3	22.7	21.2	20.0	-
	W	55.0	-	60900	49800	40200	31900	24900	18900	13900	9680	6220	-
	P		-	19.4	18.0	16.4	14.7	12.9	11.0	9.26	7.5	5.85	-
	A		-	34.6	32.7	30.7	28.6	26.5	24.6	22.8	21.2	19.8	-
HGX56e/1155-4 S (S = larger motor) (²) PWS (part wind start) Displ: 100.4 m³/Hr No of Cylinders: 6 **MWC: 58.3 amps Weight: 221 kg Oil Charge: 3.2 litres	W	45.0	86500	71800	58900	47700	38100	29800	22900	17100	12400	8470	-
	P		17.8	17.1	16.1	15.0	13.7	12.3	10.8	9.39	7.94	6.57	-
	A		39.6	39.0	38.1	37.1	36	34.9	33.8	32.8	32.0	31.2	-
	W	50.0	80500	66700	54700	44200	35200	27500	21000	15500	11100	7360	-
	P		19.2	18.3	17.1	15.8	14.3	12.7	11.1	9.53	7.95	6.45	-
	A		41.1	40.1	39.0	37.8	36.5	35.2	34.0	32.9	32.0	31.2	-
	W	55.0	74500	61600	50400	40600	32200	25100	19000	14000	9720	6250	-
	P		20.6	19.4	18.1	16.5	14.9	13.1	11.3	9.58	7.85	6.23	-
	A		42.5	41.3	39.9	38.5	37.0	35.5	34.2	32.9	31.9	31.0	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>				Consumption – <u>Power (Kw)</u>				Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35	
HGX66e/1340-4 (²) PWS (part wind start) Displ: 116.5 m³/Hr No of Cylinders: 6 **MWC: 53.7 amps Weight: 282 kg Oil Charge: 4.4 litres	W	45.0	-	82900	68400	55600	44500	34800	26700	19800	14200	9740	-	
	P		-	19	18	16.7	15.2	13.6	11.9	10.2	8.67	7.16	-	
	A		-	35.9	34.7	33.2	31.5	29.8	28.2	26.7	25.3	24.1	-	
	W	50.0	-	76900	63300	51300	40800	31800	24200	17900	12700	8550	-	
	P		-	20.4	19	17.5	15.8	14	12.1	10.3	8.62	7.04	-	
	A		-	37.6	35.9	34.1	32.2	30.2	28.4	26.7	25.2	24	-	
	W	55.0	-	70900	58100	46900	37200	28900	21800	16000	11300	7490	-	
	P		-	21.6	20	18.2	16.3	14.2	12.2	10.3	8.5	6.85	-	
	A		-	39.2	37.1	34.9	32.7	30.5	28.5	26.7	25.2	23.9	-	
HGX66e/1340-4 S (S = larger motor) (²) PWS (part wind start) Displ: 116.5 m³/Hr No of Cylinders: 6 **MWC: 65.3 amps Weight: 287 kg Oil Charge: 4.4 litres	W	45.0	99800	83400	68800	55900	44700	35000	26800	19900	14200	9740	-	
	P		19.8	19.1	18.1	16.8	15.3	13.8	12.1	10.5	8.9	7.41	-	
	A		41.7	41	39.9	38.7	37.4	36	34.7	33.6	32.5	31.7	-	
	W	50.0	93000	77500	63700	51600	41100	32000	24300	17900	12700	8560	-	
	P		21.5	20.4	19.1	17.6	15.9	14.1	12.3	10.5	8.85	7.29	-	
	A		43.5	42.4	41	39.5	37.9	36.4	34.9	33.6	32.5	31.6	-	
	W	55.0	86000	71400	58500	47200	37400	29000	21900	16000	11300	7510	-	
	P		23	21.7	20.1	18.3	16.4	14.4	12.4	10.5	8.73	7.1	-	
	A		45.2	43.7	42	40.2	38.3	36.6	35	33.6	32.4	31.5	-	
HGX66e/1540-4 (²) PWS (part wind start) Displ: 133.8 m³/Hr No of Cylinders: 6 **MWC: 62.1 amps Weight: 280 kg Oil Charge: 4.4 litres	W	45.0	-	95300	78800	64200	51500	40500	31100	23300	16900	11800	-	
	P		-	21.9	20.8	19.3	17.6	15.8	13.9	12	10.2	8.5	-	
	A		-	39.6	38.1	36.3	34.3	32.2	30.2	28.3	26.6	25.1	-	
	W	50.0	-	88500	73000	59300	47400	37100	28400	21100	15200	10400	-	
	P		-	23.6	22.1	20.3	18.3	16.3	14.2	12.1	10.2	8.42	-	
	A		-	41.8	39.8	37.5	35.1	32.7	30.5	28.4	26.6	25.1	-	
	W	55.0	-	81600	67100	54300	43200	33700	25700	19000	13500	9200	-	
	P		-	25.1	23.2	21.2	18.9	16.7	14.4	12.2	10.1	8.27	-	
	A		-	43.8	41.3	38.6	35.8	33.1	30.6	28.4	26.5	25	-	
HGX66e/1540-4 S (S = larger motor) (²) PWS (part wind start) Displ: 133.8 m³/Hr No of Cylinders: 6 **MWC: 75.0 amps Weight: 285 kg Oil Charge: 4.4 litres	W	45.0	115000	96000	79300	64600	51800	40700	31300	23400	16900	11800	-	
	P		22.8	22	20.8	19.4	17.7	15.9	14.1	12.2	10.4	8.72	-	
	A		44.9	44	42.8	41.3	39.6	37.9	36.3	34.8	33.5	32.4	-	
	W	50.0	107000	89200	73500	59700	47700	37300	28500	21200	15200	10500	-	
	P		24.8	23.6	22.1	20.4	18.4	16.4	14.3	12.3	10.4	8.65	-	
	A		47.3	45.9	44.2	42.3	40.3	38.4	36.5	34.9	33.5	32.4	-	
	W	55.0	99000	82400	67600	54700	43500	33900	25800	19000	13600	9230	-	
	P		26.6	25.1	23.3	21.2	19	16.8	14.5	12.3	10.3	8.5	-	
	A		49.5	47.6	45.5	43.2	40.9	38.7	36.7	34.9	33.4	32.3	-	
HGX66e/1750-4 (²) PWS (part wind start) Displ: 152.2 m³/Hr No of Cylinders: 6 **MWC: 71.9 amps Weight: 280 kg Oil Charge: 4.4 litres	W	45.0	-	109000	90100	73500	59000	46400	35700	26700	19400	13500	-	
	P		-	25	23.7	22.1	20.2	18.1	16	13.8	11.8	9.9	-	
	A		-	47.6	46	44.1	42.1	40	38	36.1	34.5	33.2	-	
	W	50.0	-	102000	83600	67900	54300	42500	32600	24200	17400	12000	-	
	P		-	26.9	25.2	23.2	21	18.7	16.3	14	11.8	9.84	-	
	A		-	49.9	47.8	45.4	43	40.5	38.3	36.2	34.5	33.1	-	
	W	55.0	-	93500	76900	62300	49600	38700	29500	21800	15600	10700	-	
	P		-	28.6	26.5	24.2	21.7	19.1	16.6	14.1	11.7	9.69	-	
	A		-	52.1	49.4	46.6	43.7	41	38.5	36.3	34.5	33	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>				Consumption – <u>Power (Kw)</u>				Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35	
HGX66e/1750-4 S (S = larger motor) (²) PWS (part wind start) Displ: 152.2 m³/Hr No of Cylinders: 6 **MWC: 86.8 amps Weight: 282 kg Oil Charge: 4.4 litres	W	45.0	131000	109000	90100	73500	58900	46400	35600	26700	19400	13500	-	
	P		26.1	25.2	23.9	22.3	20.4	18.3	16.2	14	12	10.1	-	
	A		54.1	53.1	51.7	50.1	48.2	46.3	44.4	42.7	41.1	39.7	-	
	W	50.0	122000	102000	83600	67900	54300	42500	32500	24200	17400	12000	-	
	P		28.4	27	25.4	23.4	21.2	18.9	16.5	14.2	12	10	-	
	A		56.6	55.2	53.3	51.2	49	46.8	44.7	42.8	41.1	39.7	-	
	W	55.0	113000	93500	76900	62300	49600	38700	29400	21800	15600	10700	-	
	P		30.5	28.7	26.7	24.4	21.9	19.3	16.7	14.3	11.9	9.9	-	
	A		59.1	57.1	54.7	52.2	49.7	47.2	44.9	42.8	41.1	39.6	-	
HGX66e/2070-4 (²) PWS (part wind start) Displ: 180 m³/Hr No of Cylinders: 6 **MWC: 85.1 amps Weight: 276 kg Oil Charge: 4.4 litres	W	45.0	-	129000	107000	86500	69400	54700	42100	31500	22900	16000	-	
	P		-	29.7	28.1	26.1	23.8	21.4	18.8	16.2	13.8	11.5	-	
	A		-	53.5	51.4	48.9	46.1	43.4	40.7	38.2	36.1	34.3	-	
	W	50.0	-	120000	98300	79900	63900	50100	38400	28600	20600	14200	-	
	P		-	31.9	29.9	27.5	24.8	22	19.2	16.4	13.8	11.4	-	
	A		-	56.5	53.7	50.6	47.3	44.1	41.1	38.4	36.1	34.2	-	
	W	55.0	-	110000	90400	73300	58400	45600	34700	25700	18400	12600	-	
	P		-	34	31.5	28.7	25.7	22.6	19.5	16.5	13.7	11.3	-	
	A		-	59.4	55.9	52.1	48.3	44.7	41.4	38.4	36	34.1	-	
HGX66e/2070-4 S (S = larger motor) (²) PWS (part wind start) Displ: 180 m³/Hr No of Cylinders: 6 **MWC: 103.0 amps Weight: 278 kg Oil Charge: 4.4 litres	W	45.0	154000	129000	107000	86500	69400	54600	42000	31500	22800	16000	-	
	P		30.8	29.8	28.2	26.2	24	21.5	19	16.4	14	11.7	-	
	A		59.5	58.3	56.5	54.3	51.8	49.3	46.9	44.6	42.6	40.9	-	
	W	50.0	143000	120000	98300	80000	63900	50100	38300	28500	20500	14200	-	
	P		33.6	32	30	27.6	25	22.2	19.4	16.6	14	11.6	-	
	A		62.9	60.9	58.5	55.8	52.9	50	47.3	44.8	42.6	40.8	-	
	W	55.0	132000	110000	90400	73300	58400	45600	34700	25700	18400	12600	-	
	P		36.1	34	31.5	28.8	25.8	22.7	19.7	16.7	13.9	11.5	-	
	A		66.2	63.5	60.4	57.1	53.8	50.5	47.5	44.9	42.6	40.7	-	
HGX88e/2400-4 (²) PWS (part wind start) Displ: 209.1 m³/Hr No of Cylinders: 8 **MWC: 101.0 amps Weight: 452 kg Oil Charge: 9.6 litres	W	45.0	-	151000	125000	102000	81500	64200	49400	37000	26900	18800	-	
	P		-	35.2	33.4	31.1	28.5	25.7	22.8	19.9	17	14.2	-	
	A		-	63.2	60.7	57.8	54.5	51.2	48	45	42.4	40.2	-	
	W	50.0	-	141000	116000	94000	75100	58900	45100	33600	24200	16800	-	
	P		-	37.8	35.4	32.7	29.7	26.5	23.3	20.1	17	14.2	-	
	A		-	66.9	63.5	59.8	56	52.1	48.5	45.3	42.5	40.2	-	
	W	55.0	-	130000	107000	86200	68600	53600	40800	30300	21700	15000	-	
	P		-	40.2	37.3	34.1	30.7	27.2	23.6	20.2	17	14	-	
	A		-	70.4	66.1	61.7	57.2	52.9	48.9	45.4	42.4	40	-	
HGX88e/2400-4 S (S = larger motor) (²) PWS (part wind start) Displ: 209.1 m³/Hr No of Cylinders: 8 **MWC: 120.0 amps Weight: 452 kg Oil Charge: 9.6 litres	W	45.0	182000	152000	126000	103000	81900	64500	49600	37100	26900	18800	-	
	P		36.8	35.6	33.9	31.7	29.1	26.3	23.3	20.3	17.3	14.5	-	
	A		74.6	73.3	71.5	69.2	66.7	64.1	61.6	59.3	57.2	55.5	-	
	W	50.0	170000	142000	117000	94500	75500	59200	45300	33700	24300	16800	-	
	P		39.9	38.1	35.9	33.2	30.2	27.1	23.8	20.5	17.4	14.4	-	
	A		78.1	76.1	73.6	70.8	67.8	64.8	62	59.5	57.3	55.4	-	
	W	55.0	157000	131000	108000	86800	69000	53800	41000	30400	21800	15000	-	
	P		42.7	40.4	37.7	34.6	31.2	27.7	24.1	20.6	17.3	14.2	-	
	A		81.5	78.8	75.6	72.2	68.7	65.4	62.3	59.6	57.2	55.3	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/Y-Y -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass (3x on HGX88e comps)
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R134A Reciprocating Semi Hermetic Compressors

Capacities R134A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>W</u> atts				Consumption – <u>P</u> ower (Kw)				Current – <u>A</u> mps			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35	
HGX88e/2735-4	W		-	172000	142000	116000	92900	73100	56200	42100	30600	21400	-	
	P	45.0	-	40.1	38	35.5	32.6	29.4	26.1	22.7	19.4	16.3	-	
	A		-	75.3	72.7	69.6	66.3	62.8	59.5	56.4	53.7	51.4	-	
⁽²⁾ PWS (part wind start)	W		-	160000	132000	108000	85600	67100	51400	38200	27500	19100	-	
Displ: 237.9 m³/Hr	P	50.0	-	43	40.3	37.3	33.9	30.3	26.7	23	19.5	16.2	-	
No of Cylinders: 8	A		-	79.1	75.6	71.8	67.8	63.8	60	56.6	53.7	51.3	-	
**MWC: 116.0 amps	W		-	148000	122000	98300	78200	61100	46500	34500	24700	17000	-	
Weight: 455 kg	P	55.0	-	45.6	42.4	38.8	35	31	27	23.1	19.4	16	-	
Oil Charge: 9.6 litres	A		-	82.8	78.4	73.7	69.1	64.6	60.4	56.7	53.6	51.2	-	
HGX88e/2735-4 S (S = larger motor)	W		206000	173000	143000	117000	93100	73200	56300	42200	30600	21400	-	
	P	45.0	41.6	40.2	38.2	35.7	32.8	29.6	26.3	22.9	19.5	16.3	-	
	A		80.2	78.5	76.2	73.4	70.4	67.2	64.1	61.3	58.7	56.6	-	
⁽²⁾ PWS (part wind start)	W		192000	161000	133000	108000	85800	67200	51400	38300	27600	19100	-	
Displ: 237.9 m³/Hr	P	50.0	45.2	43.1	40.5	37.5	34.1	30.5	26.8	23.2	19.6	16.3	-	
No of Cylinders: 8	A		84.5	82	78.9	75.4	71.7	68.1	64.6	61.5	58.8	56.6	-	
**MWC: 136.0 amps	W		178000	149000	122000	98500	78400	61200	46600	34500	24700	17000	-	
Weight: 464kg	P	55.0	48.4	45.7	42.6	39	35.2	31.2	27.2	23.3	19.5	16	-	
Oil Charge: 9.6 litres	A		88.8	85.3	81.3	77.1	72.9	68.8	65	61.6	58.7	56.4	-	
HGX88e/3235-4	W		-	203000	168000	137000	110000	86100	66200	49500	35900	25000	-	
	P	45.0	-	47.2	44.8	41.7	38.3	34.5	30.6	26.6	22.7	18.9	-	
	A		-	87.2	84.1	80.4	76.3	72.2	68.1	64.4	61.1	58.3	-	
⁽²⁾ PWS (part wind start)	W		-	189000	156000	127000	101000	78900	60400	44900	32300	22300	-	
Displ: 281.3 m³/Hr	P	50.0	-	50.6	47.5	43.8	39.8	35.6	31.2	26.9	22.7	18.8	-	
No of Cylinders: 8	A		-	91.7	87.5	82.9	78.1	73.3	68.8	64.7	61.2	58.2	-	
**MWC: 135.0 amps	W		-	175000	143000	116000	92100	71800	54600	40400	28900	19800	-	
Weight: 459 kg	P	55.0	-	53.8	49.9	45.6	41.1	36.4	31.6	27	22.6	18.5	-	
Oil Charge: 9.6 litres	A		-	96.0	90.7	85.2	79.6	74.2	69.2	64.8	61.0	58.0	-	
HGX88e/3235-4 S (S = larger motor)	W		243000	204000	168000	137000	110000	86200	66300	49500	35900	25000	-	
	P	45.0	49	47.4	45	42	38.6	34.9	30.9	26.9	22.9	19.1	-	
	A		96.4	94.5	91.8	88.5	84.9	81.3	77.7	74.4	71.4	69	-	
⁽²⁾ PWS (part wind start)	W		227000	190000	156000	127000	102000	79100	60500	44900	32300	22300	-	
Displ: 281.3 m³/Hr	P	50.0	53.2	50.7	47.7	44.1	40.1	35.9	31.5	27.2	23	19	-	
No of Cylinders: 8	A		102	98.5	94.8	90.7	86.5	82.2	78.2	74.6	71.5	68.9	-	
**MWC: 162.0 amps	W		210000	175000	144000	117000	92300	71900	54700	40400	28900	19800	-	
Weight: 467 kg	P	55.0	57	53.8	50.1	45.9	41.4	36.7	32	27.3	22.8	18.7	-	
Oil Charge: 9.6 litres	A		107	103	97.7	92.7	87.8	83	78.6	74.7	71.4	68.7	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass (3x on HGX88e comps)
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>W</u> atts Consumption – <u>P</u> ower (Kw) Current – <u>A</u> mps												
			Condensing Temperature °C										
			Evaporating Temperature °C										
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35
HGX12P/60-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 5.4 m³/Hr No of Cylinders: 2 **MWC: 3.9 amps Weight: 48 kg Oil Charge: 0.8 litres	W	45.0	4330	3620	3000	2450	1980	1570	1220	912	659	444	-
	P		0.96	0.94	0.9	0.85	0.79	0.72	0.65	0.59	0.53	0.49	-
	A		2.24	2.21	2.17	2.1	2.04	1.97	1.9	1.84	1.8	1.76	-
	W	50.0	3960	3310	2730	2230	1790	1420	1090	810	572	368	-
	P		1.04	1	0.95	0.89	0.82	0.74	0.67	0.6	0.55	0.51	-
	A		2.34	2.29	2.23	2.15	2.07	1.99	1.92	1.86	1.81	1.78	-
	W	55.0	3590	3000	2470	2010	1610	1270	966	709	487	292	-
	P		1.12	1.06	1	0.92	0.84	0.76	0.68	0.61	0.56	0.52	-
	A		2.44	2.37	2.29	2.19	2.1	2.01	1.93	1.87	1.82	1.79	-
HGX12P/75-4 (⁽¹⁾) DOL (direct online) Displ: 6.7 m³/Hr No of Cylinders: 2 **MWC: 4.1 amps Weight: 48 kg Oil Charge: 0.8 litres	W	45.0	-	4520	3750	3060	2470	1960	1520	1140	821	553	-
	P		-	1.17	1.12	1.05	0.98	0.9	0.81	0.73	0.67	0.62	-
	A		-	2.52	2.45	2.36	2.26	2.16	2.07	1.98	1.91	1.87	-
	W	50.0	-	4130	3410	2790	2240	1770	1360	1010	712	456	-
	P		-	1.25	1.19	1.1	1.01	0.93	0.84	0.75	0.68	0.64	-
	A		-	2.63	2.54	2.43	2.31	2.19	2.09	2	1.93	1.89	-
	W	55.0	-	3740	3090	2520	2020	1590	1210	885	605	361	-
	P		-	1.33	1.25	1.15	1.05	0.95	0.85	0.77	0.7	0.65	-
	A		-	2.74	2.62	2.49	2.35	2.22	2.11	2.02	1.95	1.9	-
HGX12P/75-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 6.7 m³/Hr No of Cylinders: 2 **MWC: 4.6 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	5570	4660	3850	3140	2520	1980	1520	1130	801	534	-
	P		1.29	1.28	1.24	1.18	1.1	1.01	0.92	0.81	0.7	0.59	-
	A		2.89	2.88	2.83	2.77	2.7	2.62	2.54	2.46	2.39	2.33	-
	W	50.0	5120	4280	3530	2870	2290	1790	1360	997	695	446	-
	P		1.4	1.37	1.31	1.23	1.14	1.04	0.93	0.82	0.7	0.59	-
	A		3.01	2.97	2.91	2.83	2.74	2.65	2.55	2.47	2.39	2.32	-
	W	55.0	4670	3890	3200	2590	2060	1600	1210	868	590	361	-
	P		1.51	1.45	1.38	1.29	1.18	1.07	0.95	0.83	0.7	0.58	-
	A		3.13	3.07	2.98	2.89	2.78	2.67	2.57	2.47	2.39	2.32	-
HGX12P/90-4 (⁽¹⁾) DOL (direct online) Displ: 8.0 m³/Hr No of Cylinders: 2 **MWC: 4.9 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	5460	4520	3690	2970	2350	1820	1380	1000	697	-
	P		-	1.5	1.45	1.37	1.28	1.17	1.05	0.93	0.82	0.71	-
	A		-	3.12	3.06	2.98	2.87	2.76	2.65	2.55	2.46	2.39	-
	W	50.0	-	5010	4130	3370	2700	2130	1640	1230	880	600	-
	P		-	1.62	1.55	1.45	1.34	1.21	1.08	0.95	0.83	0.72	-
	A		-	3.26	3.17	3.06	2.94	2.81	2.68	2.57	2.48	2.4	-
	W	55.0	-	4560	3750	3040	2430	1900	1460	1080	765	509	-
	P		-	1.73	1.64	1.52	1.39	1.25	1.11	0.97	0.84	0.73	-
	A		-	3.4	3.28	3.14	2.99	2.84	2.71	2.58	2.48	2.41	-
HGX12P/90-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 8.0 m³/Hr No of Cylinders: 2 **MWC: 5.3 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	6680	5540	4560	3710	2990	2370	1850	1410	1030	700	-
	P		1.55	1.53	1.49	1.42	1.33	1.22	1.1	0.98	0.86	0.74	-
	A		3.46	3.45	3.41	3.34	3.26	3.17	3.08	2.99	2.9	2.83	-
	W	50.0	6140	5090	4180	3400	2730	2160	1670	1260	903	590	-
	P		1.68	1.65	1.58	1.49	1.38	1.26	1.13	0.99	0.86	0.73	-
	A		3.6	3.57	3.5	3.41	3.31	3.2	3.1	3.0	2.9	2.83	-
	W	55.0	5600	4640	3800	3080	2470	1950	1500	1120	778	477	-
	P		1.81	1.75	1.67	1.56	1.43	1.29	1.14	1.0	0.85	0.71	-
	A		3.74	3.68	3.59	3.48	3.36	3.23	3.11	3.0	2.9	2.82	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/Y-3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
	Condensing Temperature °C												
	Evaporating Temperature °C												
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35		
HGX12P/110-4 (⁽¹⁾ DOL (direct online) Displ: 9.4 m³/Hr No of Cylinders: 2 **MWC: 5.3 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	-	6340	5250	4290	3460	2740	2130	1600	1160	775	-
	P		-	1.64	1.57	1.48	1.37	1.25	1.13	1.02	0.94	0.86	-
	A		-	3.29	3.21	3.1	2.97	2.85	2.73	2.63	2.55	2.5	-
	W	50.0	-	5790	4780	3900	3140	2480	1910	1420	998	640	-
	P		-	1.76	1.66	1.55	1.42	1.29	1.17	1.05	0.96	0.89	-
	A		-	3.43	3.32	3.18	3.03	2.89	2.76	2.66	2.58	2.52	-
	W	55.0	-	5240	4330	3520	2830	2220	1700	1250	849	505	-
	P		-	1.87	1.75	1.61	1.47	1.33	1.19	1.07	0.98	0.91	-
	A		-	3.57	3.42	3.25	3.09	2.93	2.79	2.68	2.59	2.54	-
HGX12P/110-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 9.4 m³/Hr No of Cylinders: 2 **MWC: 6.1 amps Weight: 49 kg Oil Charge: 0.8 litres	W	45.0	7590	6340	5250	4290	3460	2740	2130	1600	1160	778	-
	P		1.68	1.64	1.57	1.48	1.37	1.25	1.13	1.02	0.93	0.86	-
	A		3.6	3.56	3.49	3.4	3.3	3.2	3.1	3.02	2.95	2.91	-
	W	50.0	6930	5790	4780	3900	3140	2480	1910	1420	1010	645	-
	P		1.82	1.76	1.66	1.55	1.42	1.29	1.17	1.05	0.96	0.89	-
	A		3.75	3.68	3.58	3.47	3.35	3.23	3.13	3.04	2.97	2.93	-
	W	55.0	6290	5240	4330	3520	2820	2220	1700	1250	853	512	-
	P		1.96	1.87	1.75	1.61	1.47	1.33	1.19	1.07	0.98	0.91	-
	A		3.9	3.8	3.67	3.53	3.39	3.26	3.15	3.06	2.99	2.94	-
HGX22e/125-4 (⁽¹⁾ DOL (direct online) Displ: 11.1 m³/Hr No of Cylinders: 2 **MWC: 5.4 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	7750	6410	5220	4160	3230	2440	1790	1260	853	-
	P		-	1.91	1.85	1.75	1.62	1.47	1.31	1.14	0.98	0.84	-
	A		-	4.06	4	3.9	3.77	3.63	3.49	3.36	3.25	3.16	-
	W	50.0	-	7120	5870	4760	3770	2920	2190	1580	1100	741	-
	P		-	2.05	1.96	1.83	1.68	1.51	1.33	1.15	0.99	0.84	-
	A		-	4.22	4.12	3.98	3.83	3.66	3.51	3.37	3.25	3.16	-
	W	55.0	-	6490	5330	4300	3390	2600	1940	1390	956	642	-
	P		-	2.17	2.05	1.9	1.72	1.53	1.34	1.15	0.99	0.84	-
	A		-	4.36	4.22	4.05	3.87	3.69	3.52	3.37	3.25	3.16	-
HGX22e/125-4 S (S = larger motor) (⁽¹⁾ DOL (direct online) Displ: 11.1 m³/Hr No of Cylinders: 2 **MWC: 6.2 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	9240	7750	6420	5220	4160	3240	2450	1790	1260	852	-
	P		1.9	1.91	1.85	1.76	1.63	1.48	1.31	1.14	0.98	0.84	-
	A		4.06	4.06	4.01	3.91	3.78	3.64	3.5	3.36	3.25	3.16	-
	W	50.0	8520	7130	5880	4770	3780	2920	2190	1580	1100	743	-
	P		2.09	2.05	1.97	1.84	1.69	1.51	1.33	1.15	0.99	0.84	-
	A		4.26	4.22	4.13	3.99	3.83	3.67	3.51	3.37	3.25	3.16	-
	W	55.0	7790	6500	5340	4310	3390	2600	1930	1390	955	650	-
	P		2.26	2.18	2.06	1.91	1.73	1.54	1.35	1.16	0.99	0.84	-
	A		4.46	4.37	4.23	4.07	3.88	3.7	3.52	3.37	3.25	3.16	-
HGX22e/160-4 (⁽¹⁾ DOL (direct online) Displ: 13.7 m³/Hr No of Cylinders: 2 **MWC: 6.4 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	9570	7910	6460	5200	4110	3180	2380	1710	1150	-
	P		-	2.33	2.24	2.13	2.0	1.85	1.68	1.48	1.27	1.04	-
	A		-	4.54	4.44	4.31	4.16	4.0	3.82	3.64	3.46	3.29	-
	W	50.0	-	8810	7270	5930	4750	3740	2870	2120	1490	944	-
	P		-	2.5	2.39	2.25	2.09	1.91	1.71	1.49	1.26	1.0	-
	A		-	4.76	4.62	4.45	4.26	4.06	3.86	3.65	3.45	3.27	-
	W	55.0	-	8070	6650	5390	4310	3360	2550	1850	1250	731	-
	P		-	2.67	2.52	2.35	2.16	1.96	1.73	1.49	1.23	0.96	-
	A		-	4.97	4.78	4.57	4.35	4.11	3.88	3.65	3.43	3.23	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>													
	Condensing Temperature °C													
	Evaporating Temperature °C													
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35			
HGX22e/160-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 13.7 m³/Hr No of Cylinders: 2 **MWC: 7.6 amps Weight: 75 kg Oil Charge: 1.1 litres	W	45.0	11700	9760	8070	6560	5250	4100	3120	2300	1640	1130	-	
	P		2.38	2.35	2.27	2.15	2	1.82	1.63	1.44	1.24	1.05	-	
	A		4.89	4.85	4.76	4.63	4.47	4.29	4.1	3.91	3.73	3.57	-	
	W	50.0	10800	8990	7400	5990	4760	3690	2790	2040	1440	989	-	
	P		2.59	2.51	2.4	2.24	2.06	1.87	1.66	1.44	1.23	1.04	-	
	A		5.13	5.04	4.91	4.74	4.54	4.33	4.12	3.92	3.73	3.56	-	
	W	55.0	9870	8210	6720	5410	4270	3280	2460	1780	1250	869	-	
	P		2.78	2.67	2.51	2.33	2.12	1.9	1.67	1.44	1.22	1.02	-	
	A		5.36	5.22	5.04	4.83	4.6	4.37	4.14	3.92	3.72	3.55	-	
	HGX22e/190-4 (⁽¹⁾) DOL (direct online) Displ: 16.5 m³/Hr No of Cylinders: 2 **MWC: 8.0 amps Weight: 73 kg Oil Charge: 1.1 litres	W	45.0	-	11800	9810	8090	6560	5210	4040	3040	2220	1560	-
		P		-	2.92	2.78	2.61	2.41	2.2	1.97	1.74	1.49	1.25	-
		A		-	5.3	5.11	4.89	4.65	4.39	4.13	3.88	3.65	3.44	-
W		50.0	-	10900	9030	7420	5990	4740	3660	2740	1980	1380	-	
P			-	3.15	2.96	2.76	2.53	2.28	2.03	1.77	1.51	1.25	-	
A			-	5.62	5.37	5.09	4.79	4.49	4.2	3.92	3.67	3.45	-	
W		55.0	-	9900	8240	6750	5420	4270	3270	2440	1750	1220	-	
P			-	3.36	3.14	2.89	2.63	2.36	2.08	1.8	1.52	1.25	-	
A			-	5.93	5.61	5.27	4.92	4.58	4.25	3.94	3.67	3.44	-	
HGX22e/190-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 16.5 m³/Hr No of Cylinders: 2 **MWC: 9.4 amps Weight: 75 kg Oil Charge: 1.1 litres		W	45.0	13800	11700	9750	8040	6530	5200	4060	3090	2300	1670	-
		P		2.94	2.86	2.75	2.6	2.42	2.23	2.01	1.79	1.56	1.33	-
		A		5.55	5.46	5.32	5.14	4.94	4.72	4.49	4.26	4.03	3.82	-
	W	50.0	12800	10800	8970	7380	5970	4740	3680	2790	2060	1480	-	
	P		3.21	3.08	2.93	2.74	2.53	2.31	2.07	1.82	1.57	1.33	-	
	A		5.89	5.74	5.54	5.31	5.07	4.81	4.54	4.29	4.04	3.81	-	
	W	55.0	11700	9840	8190	6720	5420	4280	3300	2480	1820	1300	-	
	P		3.47	3.3	3.1	2.87	2.63	2.37	2.1	1.84	1.57	1.31	-	
	A		6.23	6.01	5.75	5.47	5.18	4.88	4.58	4.3	4.04	3.8	-	
	HGX34e/215-4 (⁽¹⁾) DOL (direct online) Displ: 18.8 m³/Hr No of Cylinders: 4 **MWC: 8.1 amps Weight: 91.0 kg Oil Charge: 1.3 litres	W	45.0	-	13000	10700	8640	6850	5300	3980	2890	2010	1360	-
		P		-	3.21	3.03	2.81	2.56	2.29	2.03	1.77	1.53	1.32	-
		A		-	5.89	5.66	5.39	5.09	4.79	4.5	4.23	4	3.81	-
W		50.0	-	11800	9680	7790	6130	4700	3490	2500	1720	1160	-	
P			-	3.43	3.19	2.91	2.62	2.33	2.04	1.76	1.52	1.32	-	
A			-	6.18	5.86	5.52	5.17	4.83	4.51	4.23	3.99	3.8	-	
W		55.0	-	10700	8700	6950	5420	4110	3020	2130	1460	975	-	
P			-	3.63	3.33	3.01	2.68	2.35	2.04	1.75	1.51	1.31	-	
A			-	6.44	6.05	5.64	5.23	4.85	4.51	4.22	3.98	3.8	-	
HGX34e/215-4 S (S = larger motor) (⁽¹⁾) DOL (direct online) Displ: 18.8 m³/Hr No of Cylinders: 4 **MWC: 10.5 amps Weight: 97 kg Oil Charge: 1.3 litres		W	45.0	15500	13000	10700	8630	6850	5310	3990	2890	2020	1350	-
		P		3.34	3.21	3.03	2.81	2.56	2.29	2.03	1.77	1.53	1.32	-
		A		7.25	7.11	6.92	6.7	6.45	6.21	5.97	5.75	5.55	5.4	-
	W	50.0	14200	11800	9670	7790	6130	4700	3490	2500	1720	1160	-	
	P		3.63	3.43	3.19	2.92	2.63	2.33	2.04	1.76	1.52	1.32	-	
	A		7.57	7.35	7.09	6.81	6.52	6.24	5.98	5.74	5.55	5.39	-	
	W	55.0	12900	10700	8700	6950	5420	4110	3020	2130	1460	993	-	
	P		3.9	3.63	3.33	3.01	2.68	2.35	2.04	1.75	1.51	1.31	-	
	A		7.87	7.57	7.24	6.9	6.57	6.26	5.98	5.73	5.54	5.39	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
	Condensing Temperature °C												
	Evaporating Temperature °C												
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35		
HGX34e/255-4 (¹) DOL (direct online) Displ: 22.1 m³/Hr No of Cylinders: 4 **MWC: 9.8 amps Weight: 91 kg Oil Charge: 1.3 litres	W	45.0	-	15500	12900	10500	8360	6500	4910	3570	2510	1710	-
	P		-	3.79	3.65	3.43	3.16	2.84	2.51	2.17	1.84	1.55	-
	A		-	6.66	6.47	6.18	5.83	5.43	5.04	4.65	4.31	4.02	-
	W	50.0	-	14200	11800	9550	7590	5870	4400	3180	2210	1490	-
	P		-	4.08	3.88	3.6	3.28	2.92	2.55	2.18	1.84	1.53	-
	A		-	7.07	6.78	6.41	5.98	5.53	5.08	4.67	4.3	4	-
	W	55.0	-	12900	10700	8610	6810	5240	3900	2800	1930	1300	-
	P		-	4.35	4.08	3.75	3.37	2.97	2.57	2.18	1.81	1.49	-
	A		-	7.44	7.06	6.6	6.1	5.6	5.11	4.66	4.28	3.97	-
HGX34e/255-4 S (S = larger motor) (¹) DOL (direct online) Displ: 22.1 m³/Hr No of Cylinders: 4 **MWC: 12.2 amps Weight: 97 kg Oil Charge: 1.3 litres	W	45.0	18500	15500	12900	10500	8360	6500	4910	3570	2500	1700	-
	P		3.84	3.79	3.65	3.43	3.16	2.84	2.51	2.17	1.84	1.55	-
	A		7.81	7.75	7.59	7.35	7.06	6.73	6.4	6.09	5.81	5.57	-
	W	50.0	17000	14200	11800	9540	7580	5870	4400	3180	2210	1500	-
	P		4.21	4.09	3.88	3.6	3.28	2.92	2.55	2.18	1.84	1.53	-
	A		8.24	8.09	7.85	7.54	7.18	6.81	6.44	6.1	5.8	5.56	-
	W	55.0	15400	12900	10700	8610	6810	5240	3900	2790	1930	1320	-
	P		4.54	4.35	4.08	3.75	3.37	2.97	2.57	2.18	1.81	1.5	-
	A		8.64	8.41	8.08	7.7	7.29	6.87	6.46	6.1	5.78	5.53	-
HGX34e/315-4 (¹) DOL (direct online) Displ: 27.3 m³/Hr No of Cylinders: 4 **MWC: 12.2 amps Weight: 93 kg Oil Charge: 1.3 litres	W	45.0	-	19100	15800	12900	10300	8020	6140	4570	3290	2290	-
	P		-	4.71	4.49	4.21	3.87	3.49	3.09	2.68	2.27	1.88	-
	A		-	8.35	8.06	7.69	7.26	6.8	6.33	5.86	5.43	5.05	-
	W	50.0	-	17500	14400	11700	9290	7240	5500	4060	2890	1970	-
	P		-	5.05	4.76	4.42	4.02	3.59	3.15	2.69	2.25	1.83	-
	A		-	8.81	8.43	7.97	7.46	6.92	6.39	5.88	5.42	5	-
	W	55.0	-	15900	13100	10600	8340	6470	4880	3560	2490	1650	-
	P		-	5.37	5.02	4.6	4.15	3.67	3.18	2.69	2.21	1.77	-
	A		-	9.25	8.77	8.21	7.62	7.02	6.43	5.87	5.37	4.94	-
HGX34e/315-4 S (S = larger motor) (¹) DOL (direct online) Displ: 27.3 m³/Hr No of Cylinders: 4 **MWC: 14.7 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	22900	19100	15800	12800	10300	8020	6140	4570	3290	2290	-
	P		4.84	4.71	4.49	4.21	3.87	3.49	3.09	2.68	2.27	1.88	-
	A		9.01	8.84	8.58	8.24	7.84	7.42	6.98	6.57	6.18	5.84	-
	W	50.0	21000	17500	14400	11700	9280	7240	5500	4060	2890	1980	-
	P		5.25	5.05	4.77	4.42	4.02	3.59	3.15	2.69	2.25	1.83	-
	A		9.55	9.28	8.92	8.49	8.02	7.53	7.04	6.58	6.17	5.8	-
	W	55.0	19200	15900	13100	10600	8340	6460	4880	3560	2500	1680	-
	P		5.65	5.37	5.02	4.61	4.15	3.67	3.18	2.69	2.21	1.77	-
	A		10.1	9.7	9.24	8.72	8.17	7.62	7.08	6.58	6.13	5.75	-
HGX34e/380-4 (¹) DOL (direct online) Displ: 33.1 m³/Hr No of Cylinders: 4 **MWC: 15.1 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	-	23100	19300	15800	12800	10100	7850	5950	4390	3140	-
	P		-	5.85	5.56	5.2	4.78	4.32	3.83	3.32	2.82	2.34	-
	A		-	9.94	9.53	9.03	8.45	7.83	7.21	6.59	6.02	5.5	-
	W	50.0	-	21200	17600	14400	11600	9170	7090	5340	3890	2730	-
	P		-	6.27	5.9	5.46	4.98	4.45	3.9	3.35	2.81	2.29	-
	A		-	10.6	10.1	9.39	8.71	8.01	7.31	6.63	6.01	5.46	-
	W	55.0	-	19300	16000	13100	10500	8240	6330	4720	3400	2330	-
	P		-	6.65	6.21	5.7	5.14	4.56	3.95	3.35	2.77	2.22	-
	A		-	11.1	10.5	9.72	8.94	8.15	7.37	6.64	5.97	5.38	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/Y Y-3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>													
	Condensing Temperature °C													
	Evaporating Temperature °C													
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35			
HGX34e/380-4 S (S = larger motor) (¹) DOL (direct online) Displ: 33.1 m³/Hr No of Cylinders: 4 **MWC: 18.0 amps Weight: 96 kg Oil Charge: 1.3 litres	W	45.0	27500	23100	19200	15800	12800	10100	7850	5960	4390	3140	-	
	P		6.04	5.85	5.57	5.21	4.78	4.32	3.83	3.32	2.82	2.34	-	
	A		10.6	10.4	9.96	9.48	8.94	8.37	7.79	7.23	6.71	6.24	-	
	(¹) DOL (direct online)	W	50.0	25300	21200	17600	14400	11600	9160	7090	5340	3900	2750	-
		P		6.55	6.27	5.9	5.47	4.98	4.45	3.9	3.35	2.81	2.29	-
		A		11.3	11	10.5	9.82	9.19	8.53	7.88	7.26	6.7	6.21	-
	**MWC: 18.0 amps Weight: 96 kg Oil Charge: 1.3 litres	W	55.0	23100	19300	16000	13100	10500	8230	6330	4730	3410	2360	-
		P		7.02	6.65	6.21	5.7	5.14	4.56	3.95	3.35	2.77	2.22	-
		A		12	11.5	10.9	10.2	9.4	8.66	7.94	7.27	6.66	6.14	-
HGX44e/475-4 (²) PWS (part wind start) Displ: 41.3 m³/Hr No of Cylinders: 4 **MWC: 19.0 amps Weight: 165 kg Oil Charge: 2.7 litres	W	45.0	-	29700	24600	20200	16300	13000	10200	7720	5670	3930	-	
	P		-	6.71	6.46	6.11	5.68	5.2	4.67	4.12	3.56	3	-	
	A		-	12.5	12.2	11.8	11.3	10.7	10.1	9.45	8.87	8.32	-	
	(²) PWS (part wind start)	W	50.0	-	27400	22600	18500	14900	11900	9180	6950	5040	3390	-
		P		-	7.25	6.9	6.47	5.97	5.41	4.82	4.2	3.59	2.98	-
		A		-	13.2	12.8	12.2	11.6	10.9	10.3	9.54	8.9	8.3	-
	**MWC: 19.0 amps Weight: 165 kg Oil Charge: 2.7 litres	W	55.0	-	25000	20600	16800	13500	10700	8240	6180	4400	2860	-
		P		-	7.75	7.32	6.8	6.21	5.58	4.92	4.25	3.57	2.92	-
		A		-	13.9	13.3	12.6	11.9	11.1	10.4	9.59	8.89	8.24	-
HGX44e/475-4 S (S = larger motor) (²) PWS (part wind start) Displ: 41.3 m³/Hr No of Cylinders: 4 **MWC: 23.0 amps Weight: 170 kg Oil Charge: 2.7 litres	W	45.0	35800	29900	24700	20300	16400	13100	10200	7750	5700	3940	-	
	P		6.9	6.76	6.51	6.17	5.75	5.27	4.75	4.2	3.64	3.09	-	
	A		14.7	14.5	14.2	13.9	13.4	13	12.5	12	11.5	11	-	
	(²) PWS (part wind start)	W	50.0	33100	27600	22700	18600	15000	11900	9220	6980	5070	3410	-
		P		7.53	7.29	6.96	6.53	6.03	5.48	4.9	4.29	3.67	3.07	-
		A		15.4	15.1	14.7	14.2	13.7	13.2	12.6	12	11.5	11	-
	**MWC: 23.0 amps Weight: 170 kg Oil Charge: 2.7 litres	W	55.0	30300	25200	20700	16900	13600	10700	8270	6210	4440	2890	-
		P		8.11	7.79	7.36	6.85	6.28	5.65	5	4.33	3.66	3.01	-
		A		16	15.6	15.2	14.6	14	13.3	12.7	12.1	11.5	11	-
HGX44e/565-4 (²) PWS (part wind start) Displ: 49.2 m³/Hr No of Cylinders: 4 **MWC: 22.0 amps Weight: 166 kg Oil Charge: 2.7 litres	W	45.0	-	35400	29400	24100	19600	15700	12300	9410	6970	4890	-	
	P		-	8	7.69	7.26	6.75	6.17	5.54	4.87	4.2	3.53	-	
	A		-	14.2	13.8	13.2	12.6	11.8	11.1	10.3	9.54	8.85	-	
	(²) PWS (part wind start)	W	50.0	-	32700	27000	22200	17900	14300	11200	8510	6230	4260	-
		P		-	8.65	8.23	7.7	7.1	6.43	5.71	4.98	4.23	3.51	-
		A		-	15.1	14.5	13.8	13	12.2	11.3	10.4	9.58	8.82	-
	**MWC: 22.0 amps Weight: 166 kg Oil Charge: 2.7 litres	W	55.0	-	29900	24700	20200	16300	13000	10100	7610	5490	3630	-
		P		-	9.26	8.73	8.1	7.4	6.64	5.84	5.03	4.22	3.43	-
		A		-	16	15.2	14.3	13.4	12.4	11.4	10.5	9.56	8.75	-
HGX44e/565-4 S (S = larger motor) (²) PWS (part wind start) Displ: 49.2 m³/Hr No of Cylinders: 4 **MWC: 26.0 amps Weight: 173 kg Oil Charge: 2.7 litres	W	45.0	42800	35800	29700	24300	19700	15800	12400	9460	7010	4900	-	
	P		8.19	8.03	7.73	7.32	6.83	6.26	5.64	4.98	4.32	3.66	-	
	A		16.7	16.6	16.2	15.8	15.3	14.7	14.1	13.6	13	12.4	-	
	(²) PWS (part wind start)	W	50.0	39600	33000	27300	22300	18100	14400	11300	8560	6270	4290	-
		P		8.94	8.66	8.26	7.75	7.16	6.51	5.81	5.08	4.35	3.64	-
		A		17.6	17.2	16.8	16.3	15.6	15	14.3	13.6	13	12.4	-
	**MWC: 26.0 amps Weight: 173 kg Oil Charge: 2.7 litres	W	55.0	36300	30200	24900	20400	16400	13000	10200	7660	5540	3680	-
		P		9.63	9.24	8.74	8.13	7.45	6.71	5.93	5.13	4.34	3.56	-
		A		18.4	17.9	17.3	16.7	15.9	15.2	14.4	13.7	13	12.4	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>										
			Condensing Temperature °C										
			Evaporating Temperature °C										
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35
HGX44e/665-4 (²) PWS (part wind start) Displ: 57.7 m³/Hr No of Cylinders: 4 **MWC: 26.0 amps Weight: 174 kg Oil Charge: 2.7 litres	W	45.0	-	42400	35100	28800	23200	18400	14300	10800	7910	5580	-
	P		-	9.65	9.24	8.7	8.04	7.3	6.49	5.66	4.81	3.99	-
	A		-	17.9	17.4	16.7	15.9	15.1	14.2	13.3	12.5	11.8	-
	W	50.0	-	39000	32200	26300	21100	16700	12900	9670	7030	4890	-
	P		-	10.4	9.86	9.18	8.4	7.55	6.65	5.73	4.82	3.95	-
	A		-	18.9	18.2	17.3	16.4	15.4	14.4	13.4	12.5	11.7	-
	W	55.0	-	35500	29300	23800	19100	15000	11500	8570	6160	4210	-
	P		-	11.1	10.4	9.6	8.7	7.74	6.75	5.75	4.78	3.86	-
	A		-	19.9	18.9	17.9	16.7	15.6	14.5	13.4	12.5	11.7	-
HGX44e/665-4 S (S = larger motor) (²) PWS (part wind start) Displ: 57.7 m³/Hr No of Cylinders: 4 **MWC: 30.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W	45.0	49800	41500	34300	28100	22700	18100	14100	10700	7840	5390	-
	P		9.59	9.39	9.03	8.55	7.96	7.29	6.56	5.79	5.01	4.23	-
	A		18.3	18.1	17.7	17.1	16.5	15.8	15	14.3	13.6	12.9	-
	W	50.0	45900	38200	31500	25700	20700	16400	12800	9610	6950	4650	-
	P		10.4	10.1	9.66	9.06	8.36	7.59	6.76	5.91	5.05	4.21	-
	A		19.4	19	18.4	17.7	16.9	16.1	15.2	14.4	13.6	12.9	-
	W	55.0	42000	34900	28700	23400	18800	14800	11400	8520	6060	3920	-
	P		11.2	10.8	10.2	9.51	8.7	7.83	6.91	5.97	5.03	4.12	-
	A		20.4	19.8	19.1	18.2	17.3	16.3	15.4	14.5	13.6	12.8	-
HGX44e/770-4 (²) PWS (part wind start) Displ: 67 m³/Hr No of Cylinders: 4 **MWC: 30.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W	45.0	-	48300	40000	32800	26600	21200	16600	12700	9370	6540	-
	P		-	10.8	10.4	9.89	9.2	8.42	7.56	6.67	5.76	4.85	-
	A		-	19.9	19.3	18.7	17.9	17.0	16.1	15.1	14.3	13.4	-
	W	50.0	-	44500	36800	30100	24300	19400	15100	11500	8350	5680	-
	P		-	11.7	11.1	10.4	9.66	8.76	7.8	6.81	5.81	4.82	-
	A		-	21.0	20.2	19.4	18.4	17.4	16.3	15.3	14.3	13.4	-
	W	55.0	-	40700	33600	27400	22100	17500	13600	10300	7330	4810	-
	P		-	12.5	11.8	11.0	10.0	9.04	7.97	6.88	5.78	4.72	-
	A		-	22.0	21.1	20.0	18.9	17.7	16.5	15.3	14.3	13.3	-
HGX44e/770-4 S (S = larger motor) (²) PWS (part wind start) Displ: 67 m³/Hr No of Cylinders: 4 **MWC: 35.0 amps Weight: 171 kg Oil Charge: 2.7 litres	W	45.0	57800	48300	40000	32800	26600	21200	16600	12700	9390	6530	-
	P		11.1	10.8	10.4	9.89	9.2	8.42	7.56	6.67	5.75	4.85	-
	A		20.2	19.9	19.4	18.7	17.9	17.0	16.1	15.1	14.3	13.4	-
	W	50.0	53400	44500	36800	30100	24300	19400	15100	11500	8380	5700	-
	P		12.1	11.7	11.1	10.4	9.66	8.76	7.8	6.8	5.8	4.82	-
	A		21.5	21.0	20.3	19.4	18.4	17.4	16.3	15.3	14.3	13.4	-
	W	55.0	48900	40700	33600	27400	22100	17500	13600	10300	7370	4850	-
	P		13.0	12.5	11.8	11.0	10.0	9.04	7.97	6.88	5.78	4.72	-
	A		22.8	22.0	21.1	20.0	18.9	17.7	16.5	15.3	14.3	13.3	-
HGX56e/850-4 (²) PWS (part wind start) Displ: 73.8 m³/Hr No of Cylinders: 6 **MWC: 32.6 amps Weight: 194 kg Oil Charge: 3.2 litres	W	45.0	-	54100	44900	36800	29800	23700	18500	14200	10500	7420	-
	P		-	12.5	11.9	11.2	10.3	9.41	8.36	7.25	6.11	4.96	-
	A		-	22	21.3	20.3	19.3	18.1	16.9	15.7	14.6	13.5	-
	W	50.0	-	49800	41200	33700	27200	21600	16900	12800	9360	6530	-
	P		-	13.5	12.7	11.8	10.8	9.76	8.58	7.35	6.11	4.87	-
	A		-	23.3	22.3	21.1	19.9	18.5	17.2	15.8	14.6	13.5	-
	W	55.0	-	45400	37500	30700	24700	19500	15200	11400	8260	5640	-
	P		-	14.4	13.5	12.4	11.2	10.0	8.74	7.41	6.06	4.72	-
	A		-	24.6	23.3	21.9	20.4	18.9	17.3	15.9	14.5	13.3	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Capacities - <u>Refrigeration Capacity</u> - <u>Watts</u> <u>Consumption</u> – <u>Power (Kw)</u> <u>Current</u> – <u>Amps</u>													
Airefrig Part Number (BOCK model No.)	Condensing Temperature °C												
	Evaporating Temperature °C												
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35		
HGX56e/850-4 S (S = larger motor) (²) PWS (part wind start) Displ: 73.8 m³/Hr No of Cylinders: 6 **MWC: 39.4 amps Weight: 211 kg Oil Charge: 3.2 litres	W	45.0	65000	54400	45100	37000	29900	23800	18600	14200	10500	7440	-
	P		12.9	12.5	11.9	11.2	10.4	9.47	8.43	7.34	6.21	5.06	-
	A		24.4	23.9	23.2	22.4	21.4	20.4	19.3	18.2	17.1	16.1	-
	W	50.0	59900	50000	41400	33900	27300	21700	16900	12900	9410	6570	-
	P		14	13.4	12.7	11.9	10.9	9.82	8.65	7.44	6.21	4.97	-
	A		25.8	25.1	24.2	23.1	22	20.7	19.5	18.3	17.1	16	-
	W	55.0	54700	45700	37700	30800	24800	19600	15200	11500	8320	5710	-
	P		15.1	14.3	13.4	12.4	11.3	10.1	8.82	7.49	6.16	4.84	-
	A		27.2	26.2	25.1	23.8	22.5	21.1	19.7	18.3	17	15.9	-
HGX56e/995-4 (²) PWS (part wind start) Displ: 86.6 m³/Hr No of Cylinders: 6 **MWC: 38.9 amps Weight: 209 kg Oil Charge: 3.2 litres	W	45.0	-	62800	52200	42800	34600	27400	21300	16100	11700	8080	-
	P		-	14.3	13.7	12.8	11.8	10.7	9.49	8.21	6.9	5.62	-
	A		-	26.2	25.4	24.3	23.1	21.8	20.4	19	17.7	16.5	-
	W	50.0	-	57800	47900	39200	31600	25000	19300	14500	10400	6940	-
	P		-	15.5	14.6	13.6	12.4	11.1	9.73	8.32	6.9	5.51	-
	A		-	27.7	26.6	25.2	23.8	22.2	20.7	19.1	17.7	16.4	-
	W	55.0	-	52700	43600	35600	28600	22500	17300	12800	9010	5800	-
	P		-	16.5	15.4	14.2	12.8	11.4	9.9	8.35	6.82	5.33	-
	A		-	29.1	27.7	26.1	24.3	22.6	20.8	19.2	17.7	16.3	-
HGX56e/995-4 S (S = larger motor) (²) PWS (part wind start) Displ: 86.6 m³/Hr No of Cylinders: 6 **MWC: 46.4 amps Weight: 211 kg Oil Charge: 3.2 litres	W	45.0	75200	63000	52300	42900	34600	27500	21300	16100	11800	8080	-
	P		14.8	14.4	13.7	12.9	11.8	10.7	9.5	8.21	6.91	5.64	-
	A		28.7	28.2	27.5	26.5	25.4	24.2	23	21.8	20.7	19.6	-
	W	50.0	69300	58000	48000	39300	31600	25000	19300	14500	10400	6980	-
	P		16.1	15.5	14.6	13.6	12.4	11.1	9.74	8.33	6.91	5.53	-
	A		30.3	29.5	28.5	27.3	26	24.6	23.2	21.9	20.7	19.6	-
	W	55.0	63300	52900	43700	35700	28600	22500	17300	12900	9040	5870	-
	P		17.4	16.5	15.5	14.2	12.9	11.4	9.91	8.36	6.83	5.36	-
	A		31.9	30.8	29.5	28	26.5	24.9	23.4	21.9	20.6	19.4	-
HGX56e/1155-4 (²) PWS (part wind start) Displ: 100.4 m³/Hr No of Cylinders: 6 **MWC: 46.9 amps Weight: 212 kg Oil Charge: 3.2 litres	W	45.0	-	72100	59700	48800	39400	31300	24400	18500	13700	9610	-
	P		-	17.7	16.8	15.7	14.3	12.9	11.4	9.91	8.38	6.91	-
	A		-	32.3	31.2	29.7	28.2	26.6	24.9	23.4	21.9	20.7	-
	W	50.0	-	66400	54900	44800	36100	28600	22200	16700	12200	8410	-
	P		-	19	17.9	16.5	15	13.4	11.7	10.1	8.43	6.83	-
	A		-	34.1	32.5	30.8	29	27.1	25.3	23.6	22	20.6	-
	W	55.0	-	60600	50000	40700	32700	25800	19900	15000	10800	7220	-
	P		-	20.3	18.9	17.3	15.6	13.8	12.0	10.1	8.37	6.64	-
	A		-	35.7	33.9	31.8	29.7	27.6	25.6	23.7	21.9	20.4	-
HGX56e/1155-4 S (S = larger motor) (²) PWS (part wind start) Displ: 100.4 m³/Hr No of Cylinders: 6 **MWC: 58.3 amps Weight: 221 kg Oil Charge: 3.2 litres	W	45.0	87200	72900	60300	49300	39700	31500	24500	18600	13700	9640	-
	P		18.5	17.8	16.9	15.8	14.5	13.1	11.7	10.2	8.71	7.27	-
	A		40.3	39.7	38.8	37.8	36.7	35.5	34.4	33.4	32.4	31.6	-
	W	50.0	80500	67100	55400	45200	36400	28800	22300	16800	12300	8480	-
	P		19.9	19.1	18	16.7	15.2	13.6	12	10.3	8.75	7.18	-
	A		41.8	40.9	39.8	38.6	37.3	35.9	34.7	33.5	32.4	31.5	-
	W	55.0	73700	61400	50600	41100	33000	26000	20100	15000	10900	7320	-
	P		21.4	20.3	18.9	17.4	15.8	14.0	12.2	10.4	8.7	7.0	-
	A		43.4	42.2	40.8	39.3	37.8	36.3	34.8	33.5	32.4	31.4	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / ⁽¹⁾ 380-420V Y-3- 50Hz
Voltage: ⁽²⁾ 380-420V Y/YY -3- 50Hz PW
⁽²⁾ Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>Watts</u> Consumption – <u>Power (Kw)</u> Current – <u>Amps</u>												
	Condensing Temperature °C												
	Evaporating Temperature °C												
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35		
HGX66e/1340-4 (²) PWS (part wind start) Displ: 116.5 m³/Hr No of Cylinders: 6 **MWC: 53.7 amps Weight: 282 kg Oil Charge: 4.4 litres	W	45.0	-	85800	71000	58000	46700	36900	28500	21500	15700	11000	-
	P		-	20	18.9	17.6	16.1	14.4	12.7	11	9.38	7.85	-
	A		-	37.1	35.8	34.2	32.5	30.7	29	27.3	25.9	24.6	-
	W	50.0	-	79000	65200	53000	42500	33400	25700	19300	14000	9660	-
	P		-	21.3	20	18.4	16.7	14.9	13	11.1	9.36	7.74	-
	A		-	38.8	37.1	35.2	33.2	31.2	29.2	27.4	25.9	24.6	-
	W	55.0	-	72000	59200	48000	38300	30000	23000	17100	12400	8510	-
	P		-	22.6	21	19.2	17.2	15.2	13.1	11.1	9.27	7.55	-
	A		-	40.4	38.3	36.1	33.8	31.5	29.4	27.4	25.8	24.4	-
HGX66e/1340-4 S (S = larger motor) (²) PWS (part wind start) Displ: 116.5 m³/Hr No of Cylinders: 6 **MWC: 65.3 amps Weight: 287 kg Oil Charge: 4.4 litres	W	45.0	104000	86400	71400	58300	46900	37000	28700	21600	15800	11000	-
	P		20.8	20.1	19	17.7	16.2	14.6	12.9	11.2	9.59	8.08	-
	A		42.7	42	40.9	39.6	38.2	36.7	35.3	34.1	33	32	-
	W	50.0	95500	79600	65600	53300	42700	33600	25800	19300	14000	9640	-
	P		22.4	21.4	20.1	18.5	16.8	15	13.1	11.3	9.58	7.97	-
	A		44.5	43.4	42	40.4	38.7	37.1	35.5	34.1	32.9	32	-
	W	55.0	87300	72600	59600	48300	38500	30100	23100	17200	12400	8520	-
	P		23.9	22.6	21	19.3	17.3	15.3	13.3	11.3	9.49	7.79	-
	A		46.2	44.7	43	41.1	39.2	37.4	35.7	34.2	32.9	31.9	-
HGX66e/1540-4 (²) PWS (part wind start) Displ: 133.8 m³/Hr No of Cylinders: 6 **MWC: 62.1 amps Weight: 280 kg Oil Charge: 4.4 litres	W	45.0	-	98600	81800	66900	54000	42800	33300	25200	18600	13200	-
	P		-	23.1	21.9	20.4	18.7	16.8	14.8	12.9	11	9.29	-
	A		-	41.1	39.5	37.6	35.5	33.3	31.1	29.1	27.3	25.8	-
	W	50.0	-	90900	75100	61300	49200	38900	30100	22700	16600	11700	-
	P		-	24.7	23.2	21.4	19.4	17.3	15.2	13	11	9.22	-
	A		-	43.3	41.2	38.9	36.4	33.9	31.5	29.3	27.3	25.7	-
	W	55.0	-	82900	68300	55500	44500	35000	27000	20300	14800	10400	-
	P		-	26.2	24.4	22.3	20.1	17.7	15.4	13.1	11	9.08	-
	A		-	45.4	42.8	40.1	37.2	34.4	31.7	29.4	27.3	25.6	-
HGX66e/1540-4 S (S = larger motor) (²) PWS (part wind start) Displ: 133.8 m³/Hr No of Cylinders: 6 **MWC: 75.0 amps Weight: 285 kg Oil Charge: 4.4 litres	W	45.0	119000	99400	82300	67300	54300	43100	33500	25400	18700	13200	-
	P		23.9	23.1	21.9	20.5	18.8	16.9	15	13	11.2	9.51	-
	A		46.2	45.3	44	42.4	40.6	38.8	37.1	35.5	34.1	32.9	-
	W	50.0	110000	91600	75700	61700	49600	39100	30300	22800	16700	11700	-
	P		25.8	24.7	23.2	21.5	19.5	17.4	15.3	13.2	11.2	9.44	-
	A		48.6	47.2	45.4	43.5	41.4	39.3	37.4	35.6	34.1	32.9	-
	W	55.0	101000	83700	68900	56000	44800	35200	27100	20400	14900	10400	-
	P		27.6	26.2	24.4	22.3	20.1	17.9	15.5	13.3	11.2	9.3	-
	A		50.8	49	46.8	44.4	42	39.7	37.6	35.7	34.1	32.8	-
HGX66e/1750-4 (²) PWS (part wind start) Displ: 152.2 m³/Hr No of Cylinders: 6 **MWC: 71.9 amps Weight: 280 kg Oil Charge: 4.4 litres	W	45.0	-	113000	93600	76600	61800	49000	38100	29000	21400	15200	-
	P		-	26.3	25	23.3	21.3	19.2	17	14.8	12.7	10.8	-
	A		-	49.2	47.5	45.5	43.3	41.1	38.9	36.9	35.2	33.8	-
	W	50.0	-	104000	86000	70200	56400	44600	34500	26100	19100	13500	-
	P		-	28.2	26.5	24.5	22.2	19.8	17.4	15	12.8	10.7	-
	A		-	51.5	49.3	46.9	44.3	41.7	39.3	37.1	35.2	33.7	-
	W	55.0	-	95000	78300	63700	51000	40200	31000	23300	17100	12000	-
	P		-	29.9	27.8	25.5	23	20.4	17.7	15.1	12.7	10.6	-
	A		-	53.7	51.1	48.1	45.2	42.3	39.6	37.2	35.2	33.6	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Airefrig Part Number (BOCK model No.)	Refrigeration Capacity - <u>W</u> atts Consumption – <u>P</u> ower (Kw) Current – <u>A</u> mps												
			Condensing Temperature °C										
			Evaporating Temperature °C										
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35
HGX66e/1750-4 S (S = larger motor) (²) PWS (part wind start) Displ: 152.2 m³/Hr No of Cylinders: 6 **MWC: 86.8 amps Weight: 282 kg Oil Charge: 4.4 litres	W	45.0	135000	113000	93500	76500	61800	49000	38100	29000	21400	15200	-
	P		27.4	26.5	25.1	23.5	21.5	19.4	17.2	15	12.9	11	-
	A		55.5	54.5	53.1	51.3	49.3	47.3	45.3	43.4	41.8	40.4	-
	W	50.0	125000	104000	85900	70100	56400	44600	34500	26100	19100	13500	-
	P		29.6	28.3	26.6	24.6	22.4	20	17.6	15.2	13	10.9	-
	A		58	56.6	54.7	52.5	50.2	47.9	45.7	43.6	41.8	40.3	-
	W	55.0	115000	95000	78300	63600	51000	40100	30900	23300	17000	12000	-
	P		31.6	30	27.9	25.6	23.1	20.5	17.9	15.3	12.9	10.8	-
	A		60.5	58.5	56.2	53.6	51	48.4	45.9	43.7	41.8	40.2	-
HGX66e/2070-4 (²) PWS (part wind start) Displ: 180 m³/Hr No of Cylinders: 6 **MWC: 85.1 amps Weight: 276 kg Oil Charge: 4.4 litres	W	45.0	-	133000	111000	90200	72800	57800	44900	34100	25200	18000	-
	P		-	31.2	29.6	27.6	25.2	22.7	20	17.4	14.9	12.6	-
	A		-	55.6	53.4	50.7	47.8	44.8	41.9	39.3	37	35.1	-
	W	50.0	-	123000	102000	82500	66400	52500	40700	30800	22600	15900	-
	P		-	33.4	31.4	29	26.3	23.4	20.5	17.7	15	12.5	-
	A		-	58.6	55.8	52.5	49.1	45.7	42.4	39.5	37.1	35.1	-
	W	55.0	-	112000	91900	74800	60000	47300	36500	27500	20100	14200	-
	P		-	35.5	33	30.2	27.2	24	20.9	17.8	14.9	12.3	-
	A		-	61.6	58	54.2	50.2	46.4	42.8	39.7	37	34.9	-
HGX66e/2070-4 S (S = larger motor) (²) PWS (part wind start) Displ: 180 m³/Hr No of Cylinders: 6 **MWC: 103.0 amps Weight: 278 kg Oil Charge: 4.4 litres	W	45.0	159000	133000	110000	90100	72700	57700	45000	34200	25200	17900	-
	P		32.4	31.3	29.7	27.7	25.4	22.8	20.2	17.6	15.1	12.8	-
	A		61.4	60.1	58.2	55.9	53.3	50.7	48.1	45.6	43.5	41.7	-
	W	50.0	147000	123000	102000	82500	66400	52500	40700	30700	22600	15900	-
	P		35	33.5	31.5	29.1	26.4	23.6	20.7	17.9	15.2	12.7	-
	A		64.8	62.8	60.3	57.5	54.4	51.4	48.5	45.9	43.6	41.6	-
	W	55.0	134000	112000	92000	74900	60000	47300	36500	27500	20100	14200	-
	P		37.5	35.5	33.1	30.3	27.3	24.2	21.1	18	15.1	12.5	-
	A		68	65.4	62.3	58.9	55.4	52.1	48.9	46	43.5	41.5	-
HGX88e/2400-4 (²) PWS (part wind start) Displ: 209.1 m³/Hr No of Cylinders: 8 **MWC: 101.0 amps Weight: 452 kg Oil Charge: 9.6 litres	W	45.0	-	156000	130000	106000	85500	67800	52800	40100	29600	21100	-
	P		-	37	35.1	32.8	30.1	27.3	24.2	21.2	18.3	15.5	-
	A		-	65.7	63.1	60	56.5	53	49.5	46.4	43.6	41.2	-
	W	50.0	-	144000	119000	97100	78100	61700	47800	36100	26500	18800	-
	P		-	39.5	37.2	34.4	31.4	28.1	24.8	21.5	18.4	15.5	-
	A		-	69.4	66	62.2	58.1	54	50.2	46.7	43.7	41.2	-
	W	55.0	-	132000	109000	88100	70600	55600	42900	32400	23700	16800	-
	P		-	41.9	39.1	35.9	32.4	28.9	25.3	21.7	18.4	15.3	-
	A		-	72.9	68.7	64.2	59.5	54.9	50.7	46.9	43.6	41	-
HGX88e/2400-4 S (S = larger motor) (²) PWS (part wind start) Displ: 209.1 m³/Hr No of Cylinders: 8 **MWC: 120.0 amps Weight: 452 kg Oil Charge: 9.6 litres	W	45.0	188000	158000	131000	107000	85900	68200	53000	40300	29700	21100	-
	P		38.6	37.3	35.5	33.3	30.7	27.8	24.8	21.7	18.7	15.8	-
	A		76.6	75.2	73.3	70.9	68.2	65.5	62.8	60.4	58.1	56.3	-
	W	50.0	174000	145000	120000	97700	78500	62000	48000	36300	26600	18800	-
	P		41.5	39.8	37.5	34.9	31.9	28.7	25.3	22	18.8	15.7	-
	A		80.1	78	75.5	72.5	69.4	66.3	63.3	60.6	58.2	56.2	-
	W	55.0	160000	133000	110000	88700	71000	55900	43100	32500	23800	16800	-
	P		44.3	42	39.4	36.3	32.9	29.4	25.8	22.2	18.8	15.6	-
	A		83.4	80.7	77.5	74	70.5	67	63.7	60.7	58.2	56.1	-

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

Compressors supplied standard with:

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/Y-Y -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Service Valves
Oil Sight Glass (3x on HGX88e comps)
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

R513A Reciprocating Semi Hermetic Compressors

Capacities R513A

Capacities - <u>Refrigeration</u>														
Airefrig Part Number (BOCK model No.)			Refrigeration Capacity - <u>Watts</u>				Consumption – <u>Power (Kw)</u>				Current – <u>Amps</u>			
			Condensing Temperature °C											
			Evaporating Temperature °C											
			15	10	5	0	-5	-10	-15	-20	-25	-30	-35	
HGX88e/2735-4 (²) PWS (part wind start) Displ: 237.9 m³/Hr No of Cylinders: 8 **MWC: 116.0 amps Weight: 455 kg Oil Charge: 9.6 litres	W		-	178000	148000	121000	97400	77300	60100	45600	33700	24000	-	
	P	45.0	-	42.1	40	37.4	34.4	31.1	27.7	24.3	20.9	17.8	-	
	A		-	77.9	75.2	71.9	68.3	64.7	61.1	57.8	54.9	52.4	-	
	W		-	165000	136000	111000	89000	70300	54500	41200	30200	21400	-	
	P	50.0	-	44.9	42.3	39.2	35.8	32.1	28.4	24.7	21.1	17.7	-	
	A		-	81.8	78.2	74.2	70	65.8	61.7	58.1	55	52.4	-	
	W		-	150000	124000	101000	80500	63400	48900	36900	27000	19100	-	
	P	55.0	-	47.5	44.4	40.8	37	32.9	28.9	24.9	21.0	17.5	-	
	A		-	85.4	81.0	76.3	71.4	66.7	62.2	58.3	54.9	52.2	-	
HGX88e/2735-4 S (S = larger motor) (²) PWS (part wind start) Displ: 237.9 m³/Hr No of Cylinders: 8 **MWC: 136.0 amps Weight: 464kg Oil Charge: 9.6 litres	W		214000	179000	148000	121000	97600	77400	60300	45800	33800	24000	-	
	P	45.0	43.6	42.2	40.1	37.6	34.6	31.4	27.9	24.5	21.1	17.9	-	
	A		82.6	80.9	78.4	75.5	72.2	68.9	65.6	62.6	59.9	57.6	-	
	W		198000	165000	136000	111000	89200	70500	54600	41300	30300	21400	-	
	P	50.0	47	45	42.4	39.4	36	32.3	28.6	24.8	21.2	17.8	-	
	A		86.9	84.4	81.2	77.6	73.7	69.9	66.2	62.9	60	57.5	-	
	W		181000	151000	124000	101000	80700	63500	49000	36900	27000	19100	-	
	P	55.0	50.2	47.6	44.5	41	37.2	33.1	29.1	25	21.2	17.6	-	
	A		91.1	87.7	83.7	79.4	75	70.7	66.7	63.1	59.9	57.4	-	
HGX88e/3235-4 (²) PWS (part wind start) Displ: 281.3 m³/Hr No of Cylinders: 8 **MWC: 135.0 amps Weight: 459 kg Oil Charge: 9.6 litres	W		-	210000	175000	143000	115000	91000	70700	53700	39500	28100	-	
	P	45.0	-	49.6	47.1	44	40.4	36.6	32.5	28.4	24.4	20.7	-	
	A		-	90.3	87	83.1	78.8	74.4	70.1	66.1	62.6	59.6	-	
	W		-	194000	160000	131000	105000	82800	64000	48300	35400	25000	-	
	P	50.0	-	52.9	49.8	46.1	42	37.7	33.3	28.8	24.6	20.6	-	
	A		-	94.8	90.6	85.8	80.7	75.6	70.8	66.5	62.7	59.5	-	
	W		-	177000	146000	119000	94800	74600	57500	43200	31600	22300	-	
	P	55.0	-	56	52.3	48	43.4	38.6	33.8	29	24.5	20.3	-	
	A		-	99.2	93.9	88.2	82.4	76.7	71.4	66.6	62.6	59.3	-	
HGX88e/3235-4 S (S = larger motor) (²) PWS (part wind start) Displ: 281.3 m³/Hr No of Cylinders: 8 **MWC: 162.0 amps Weight: 467 kg Oil Charge: 9.6 litres	W		252000	211000	175000	143000	115000	91200	70900	53800	39600	28000	-	
	P	45.0	51.4	49.7	47.3	44.2	40.7	36.9	32.8	28.7	24.7	20.9	-	
	A		99.3	97.2	94.3	90.9	87.1	83.2	79.4	75.8	72.7	70.1	-	
	W		233000	195000	161000	131000	106000	82900	64200	48400	35400	24900	-	
	P	50.0	55.3	53	49.9	46.3	42.3	38	33.6	29.1	24.8	20.8	-	
	A		105	102	97.5	93.3	88.8	84.3	80.1	76.2	72.8	70	-	
	W		214000	178000	147000	119000	95000	74700	57500	43300	31600	22300	-	
	P	55.0	59	56	52.3	48.2	43.7	38.9	34.1	29.3	24.8	20.5	-	
	A		110	106	101	95.4	90.3	85.2	80.5	76.3	72.8	69.8	-	

Rating Conditions: 20 Deg Return Gas, no Sub-Cooling.

Shaded areas need additional cooling &/or return vapour limitations.

**MWC = maximum working current
Voltage: 220-240V Δ / (¹)380-420V Y-3- 50Hz
Voltage: (²)380-420V Y/YY -3- 50Hz PW
(²)Part Wind Start (50% / 50%)

Compressors supplied standard with:

Service Valves
Oil Sight Glass (3x on HGX88e comps)
Oil Type: BOCKlub E55
Oil pump

IP66 Terminal Box
Protection Module (INT69 G)
Mount Kit (4x anti-vibration pads)
Inert gas charge

DANFOSS BOCK® HGX COMPRESSORS

Reciprocating Semi Hermetic Compressors

HGX12P Series – 2 Cylinder compressors

BOCK® Model Number	Displ m³/Hr	Maximum Working Current	Motor Type	Weight (Kg)	Suction Valve	Discharge Valve	Capacity Control	Oil Charge (litres)	C.C.H.
HGX12P/60-4 S	5.4	3.9 amps	D.O.L.	48	5/8"	1/2"	-	0.8	110-230v 50/60Hz 120 watt IP66 PTC self-regulating **Purchased Separately
HGX12P/75-4	6.7	4.1 amps	D.O.L.	48	5/8"	1/2"	-	0.8	
HGX12P/75-4 S	6.7	4.6 amps	D.O.L.	49	5/8"	1/2"	-	0.8	
HGX12P/90-4	8.0	4.9 amps	D.O.L.	49	5/8"	1/2"	-	0.8	
HGX12P/90-4 S	8.0	5.3 amps	D.O.L.	49	5/8"	1/2"	-	0.8	
HGX12P/110-4	9.4	5.3 amps	D.O.L.	49	5/8"	1/2"	-	0.8	
HGX12P/110-4 S	9.4	6.1 amps	D.O.L.	49	5/8"	1/2"	-	0.8	

Note: each compressor has two motor versions for specific applications ("S" indicates a larger motor version)

Scope of Supply:

Winding protection with PTC resistor sensors and electronic trigger unit INT69 G 115-230 V AC, 50/60 Hz, IP00

Oil pump

Charged with oil - BOCKlub E55

Oil sight glass

Suction and discharge service valves

4 anti-vibration pads (enclosed)

Option to fit oil level controls (ie: TRAXOIL, DEKA etc..)

Option to fit MP55 oil pressure safety switch



Accessories:

Oil sump heater 110-230 V - 1 - 50/60 Hz, 120 W, IP66 (PTC heater self-regulating)

Oil pressure safety switch MP55 230 V - 1 - 50/60 Hz, IP20

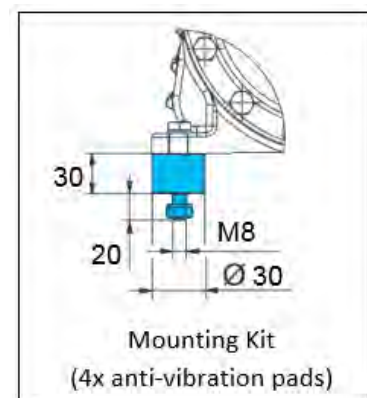
Thermal protection thermostat per cylinder head

Hot gas temperature sensor (Pt1000 for external evaluation)

Additional fan 230 V AC - 1 - 50 Hz, 72 W, IP44

4 anti-vibration pads enclosed

Special voltage and/or frequency (on request)



DANFOSS BOCK® HGX COMPRESSORS

Reciprocating Semi Hermetic Compressors

HGX22e Series – 2 Cylinder compressors

BOCK® Model Number	Displ m³/Hr	Maximum Working Current	Motor Type	Weight (Kg)	Suction Valve	Discharge Valve	Capacity Control	Oil Charge (litres)	C.C.H.
HGX22e/125-4	11.1	5.4 amps	D.O.L.	73	5/8"	1/2"	-	1.1	110-230v 50/60Hz 120 watt IP66 PTC self-regulating Note: Purchased Separately
HGX22e/125-4 S	11.1	6.2 amps	D.O.L.	73	5/8"	1/2"	-	1.1	
HGX22e/160-4	13.7	6.4 amps	D.O.L.	73	5/8"	1/2"	-	1.1	
HGX22e/160-4 S	13.7	7.6 amps	D.O.L.	75	5/8"	1/2"	-	1.1	
HGX22e/190-4	16.5	8.0 amps	D.O.L.	73	5/8"	1/2"	-	1.1	
HGX22e/190-4 S	16.5	9.4 amps	D.O.L.	75	5/8"	1/2"	-	11	

Note: each compressor has two motor versions for specific applications ("S" indicates a larger motor version)

Scope of Supply:

Winding protection with PTC resistor sensors and electronic trigger unit INT69 G 115-230 V AC, 50/60 Hz, IP00

Oil pump

Charged with oil - BOCKlub E55

Oil sight glass

Suction and discharge service valves

4 anti-vibration pads (enclosed)

Option to fit oil level controls (ie: TRAXOIL, DEKA etc..)

Option to fit MP55 oil pressure safety switch



Accessories:

Oil sump heater 110-230 V - 1 - 50/60 Hz, 120 W, IP66 (PTC heater self-regulating)

Oil pressure safety switch MP55 230 V - 1 - 50/60 Hz, IP20

Thermal protection thermostat per cylinder head

INT69 G Diagnose 115-230 V AC, 50/60 Hz, IP00 (INT69 G not applicable)

Hot gas temperature sensor (Pt1000 for external evaluation)

DP-Modbus Gateway 115-230 V AC, 50/60 Hz, IP00 including adapter cable

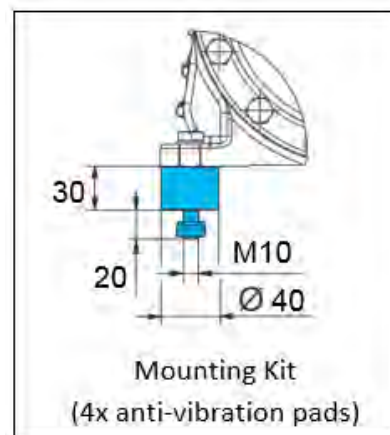
Modbus-LAN Gateway 230 V AC, 50/60 Hz, IP00

USB converter for INT69 G Diagnose

Additional fan 230 V AC - 1 - 50 Hz, 97 W, IP44

4 anti-vibration pads enclosed

Special voltage and/or frequency (on request)



DANFOSS BOCK® HGX COMPRESSORS

Reciprocating Semi Hermetic Compressors

HGX34e Series – 4 Cylinder compressors

BOCK® Model Number	Displ m³/Hr	Maximum Working Current	Motor Type	Weight (Kg)	Suction Valve	Discharge Valve	Capacity Control	Oil Charge (litres)	C.C.H.
HGX34e/215-4	18.8	8.1 amps	D.O.L.	91	1-1/8"	7/8"	Digital capacity regulator DCR14	1.3	110-230v 50/60Hz 120 watt IP66 PTC self-regulating Note: Purchased Separately
HGX34e/215-4 S	18.8	10.5 amps	D.O.L.	97	1-1/8"	7/8"		1.3	
HGX34e/255-4	22.	9.8 amps	D.O.L.	91	1-1/8"	7/8"		1.3	
HGX34e/255-4 S	22.1	12.2 amps	D.O.L.	97	1-1/8"	7/8"		1.3	
HGX34e/315-4	27.3	12.2 amps	D.O.L.	93	1-1/8"	7/8"	Note: Items are Purchased Separately	1.3	PTC self-regulating Note: Purchased Separately
HGX34e/315-4 S	27.3	14.7 amps	D.O.L.	96	1-1/8"	7/8"		1.3	
HGX34e/380-4	33.1	15.1 amps	D.O.L.	96	1-1/8"	7/8"		1.3	
HGX34e/380-4 S	33.1	18.0 amps	D.O.L.	96	1-1/8"	7/8"		1.3	

Note: each compressor has two motor versions for specific applications ("S" indicates a larger motor version)

Scope of Supply:

Winding protection with PTC resistor sensors and electronic trigger unit INT69 G 115-230 V AC, 50/60 Hz, IP00

Oil pump

Charged with oil - BOCKlub E55

Oil sight glass

Suction and discharge service valves

4 anti-vibration pads (enclosed)

Option to fit oil level controls (ie: TRAXOIL, DEKA etc..)

Option to fit MP55 oil pressure safety switch

Accessories:

(Digital) Capacity regulator DCR14 230V-1-50/60 Hz, IP65
possible equipment see Capacity regulator 0900-DGbf

Cylinder head prepared for digital capacity regulator

Oil sump heater 110-230 V - 1 - 50/60 Hz, 120 W, IP66
(PTC heater self-regulating)

Oil pressure safety switch MP55 230 V - 1 - 50/60 Hz, IP20

Thermal protection thermostat per cylinder head

INT69 G Diagnose 115-230 V AC, 50/60 Hz, IP00 (INT69 G not applicable)

DP-Modbus Gateway 115-230 V AC, 50/60 Hz, IP00 including adapter cable

Modbus-LAN Gateway 230 V AC, 50/60 Hz, IP00

USB converter for INT69 G Diagnose

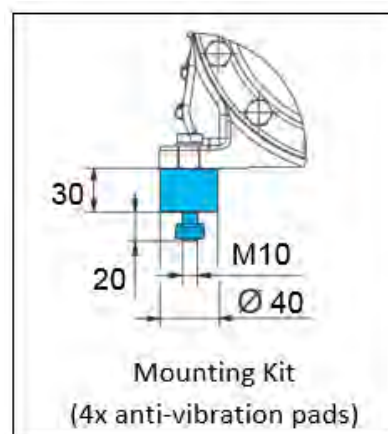
Additional fan 230 V AC - 1 - 50 Hz, 97 W, IP44

Step protection

Injection nozzle for liquid injection

4 anti-vibration pads enclosed

Special voltage and/or frequency (on request)



DANFOSS BOCK® HGX COMPRESSORS

Reciprocating Semi Hermetic Compressors

HGX44e Series – 4 Cylinder compressors

BOCK® Model Number	Displ m³/Hr	Maximum Working Current	Motor Type	Weight (Kg)	Suction Valve	Discharge Valve	Capacity Control	Oil Charge (litres)	C.C.H.
HGX44e/475-4	41.3	19.0 amps	P.W.S.	165	1-3/8"	1-1/8"	Digital capacity regulator DCR14 Note: Items are Purchased Separately	2.7	230v 50/60Hz 160 watt Note: Purchased Separately
HGX44e/475-4 S	41.3	23.0 amps	P.W.S.	170	1-3/8"	1-1/8"		2.7	
HGX44e/565-4	49.2	22.0 amps	P.W.S.	166	1-3/8"	1-1/8"		2.7	
HGX44e/565-4 S	49.2	26.0 amps	P.W.S.	173	1-3/8"	1-1/8"		2.7	
HGX44e/665-4	57.7	26.0 amps	P.W.S.	171	1-3/8"	1-1/8"		2.7	
HGX44e/665-4 S	57.7	30.0amps	P.W.S.	174	1-3/8"	1-1/8"		2.7	
HGX44e/770-4	67.0	30.0amps	P.W.S.	171	1-3/8"	1-1/8"		2.7	
HGX44e/770-4 S	67.0	35.0 amps	P.W.S.	171	1-3/8"	1-1/8"		2.7	

Note: each compressor has two motor versions for specific applications ("S" indicates a larger motor version)

Scope of Supply:

Winding protection with PTC resistor sensors and electronic trigger unit INT69 G 115-230 V AC, 50/60 Hz, IP00

Oil pump (note: rear bearing flange ready for oil differential pressure sensor DELTA-P II)

Charged with oil - BOCKlub E55

Oil sight glass

Pressure relief valve

Suction and discharge service valves

4 anti-vibration pads (enclosed)

Option to fit oil level controls (ie: TRAXOIL, DEKA etc..)

Option to fit MP54 oil safety switch

Accessories:

(Digital) Capacity regulator DCR14 230V-1-50/60 Hz, IP65 possible equipment see Capacity regulator 0900-DGbf

Cylinder head prepared for digital capacity regulator

Oil sump heater 230 V - 1 - 50/60 Hz, 160 W

Oil pressure safety switch MP54 230 V - 1 - 50/60 Hz, IP20

Thermal protection thermostat per cylinder head

Intermediate flange for discharge valve on right or left seen from oil pump

Connection piece suction and discharge valve in welding design

INT69 GTML Diagnose 115-230 V AC, 50/60 Hz, IP00, including oil differential pressure sensor INT250G, thermal protection thermostat per cylinder heads, (INT69 G not applicable)

Oil differential pressure sensor DELTA-P II 220-240 V - 1 - 50/60 Hz

Hot gas temperature sensor (Pt1000, for external evaluation)

Oil temperature sensor (Pt1000, for external evaluation)

DP-Modbus Gateway 115-230 V AC, 50/60 Hz, IP00 including adapter cable

Modbus-LAN Gateway 230 V AC, 50/60 Hz, IP00

USB converter for INT69 G Diagnose

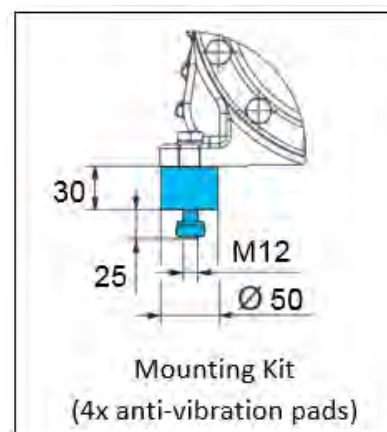
Additional fan 230 V AC - 1 - 50 Hz, 97 W, IP44

Step protection

Injection nozzle for liquid injection

4 anti-vibration pads enclosed

Special voltage and/or frequency (on request)



DANFOSS BOCK® HGX COMPRESSORS

Reciprocating Semi Hermetic Compressors

HGX56e Series – 6 Cylinder compressors

BOCK® Model Number	Displ m³/Hr	Maximum Working Current	Motor Type	Weight (Kg)	Suction Valve	Discharge Valve	Capacity Control	Oil Charge (litres)	C.C.H.
HGX56e/850-4	73.8	32.6 amps	P.W.S.	194	2-1/8"	1-3/8"	Digital capacity regulator DCR14	3.2	230v 50/60Hz 160 watt
HGX56e/850-4 S	73.8	39.4 amps	P.W.S.	211	2-1/8"	1-3/8"		3.2	
HGX56e/995-4	86.6	38.9 amps	P.W.S.	209	2-1/8"	1-3/8"		3.2	
HGX56e/995-4 S	86.6	46.4 amps	P.W.S.	211	2-1/8"	1-3/8"	Note: Items are Purchased Separately	3.2	Note: Purchased Separately
HGX56e/1155-4	100.4	46.9 amps	P.W.S.	212	2-1/8"	1-3/8"		3.2	
HGX56e/1155-4 S	100.4	58.3 amps	P.W.S.	221	2-1/8"	1-3/8"		3.2	

Note: each compressor has two motor versions for specific applications ("S" indicates a larger motor version)

Scope of Supply:

Winding protection with PTC resistor sensors and electronic trigger unit INT69 G 115-230 V AC, 50/60 Hz, IP00

Oil pump (note: rear bearing flange ready for oil differential pressure sensor DELTA-P II)

Charged with oil - BOCKlub E55

Oil sight glass

Pressure relief valve

Suction and discharge service valves

4 anti-vibration pads (enclosed)

Option to fit oil level controls (ie: TRAXOIL, DEKA etc..)

Option to fit MP54 oil safety switch



Accessories:

(Digital) Capacity regulator DCR14 230V-1-50/60 Hz, IP65 possible equipment see Capacity regulator 0900-DGbf

Cylinder head prepared for digital capacity regulator

Oil sump heater 230 V - 1 - 50/60 Hz, 160 W

Oil pressure safety switch MP54 230 V - 1 - 50/60 Hz, IP20

Thermal protection thermostat per cylinder head

Connection piece suction and discharge valve in welding design

INT69 GTML Diagnose 115-230 V AC, 50/60 Hz, IP00, including oil differential pressure sensor INT250G, thermal protection thermostat per cylinder heads, (INT69 G not applicable)

Oil differential pressure sensor DELTA-P II 220-240 V - 1 - 50/60 Hz

Hot gas temperature sensor (Pt1000, for external evaluation)

Oil temperature sensor (Pt1000, for external evaluation)

DP-Modbus Gateway 115-230 V AC, 50/60 Hz, IP00 including adapter cable

Modbus-LAN Gateway 230 V AC, 50/60 Hz, IP00

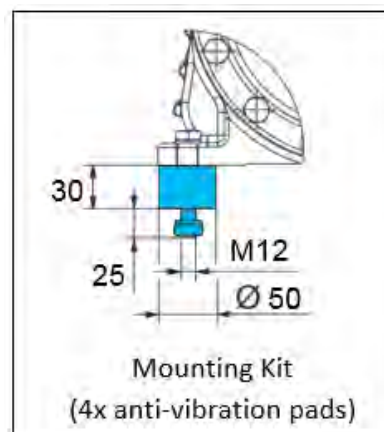
USB converter for INT69 G Diagnose

Additional fan 230 V AC - 1 - 50 Hz, 97 W, IP44

Injection nozzle for liquid injection

4 anti-vibration pads enclosed

Special voltage and/or frequency (on request)



DANFOSS BOCK® HGX COMPRESSORS

Reciprocating Semi Hermetic Compressors

HGX66e Series – 6 Cylinder compressors

BOCK® Model Number	Displ m³/Hr	Maximum Working Current	Motor Type	Weight (Kg)	Suction Valve	Discharge Valve	Capacity Control	Oil Charge (litres)	C.C.H.
HGX66e/1340-4	116.5	53.7 amps	P.W.S.	282	2-5/8"	1-5/8"	1-2 capacity regulator 66/33% residual capacity	4.4	230v 50/60Hz 160 watt
HGX66e/1340-4 S	116.5	65.3 amps	P.W.S.	287	2-5/8"	1-5/8"		4.4	
HGX66e/1540-4	133.8	62.1 amps	P.W.S.	280	2-5/8"	1-5/8"		4.4	
HGX66e/1540-4 S	133.8	75.0 amps	P.W.S.	285	2-5/8"	1-5/8"		4.4	
HGX66e/1750-4	152.2	71.9 amps	P.W.S.	280	2-5/8"	1-5/8"	Note: Purchased Separately	4.4	Note: Purchased Separately
HGX66e/1750-4 S	152.2	86.8 amps	P.W.S.	282	2-5/8"	1-5/8"		4.4	
HGX66e/2070-4	180.0	85.1 amps	P.W.S.	276	2-5/8"	1-5/8"		4.4	
HGX66e/ 2070-4 S	180.0	103.0 amps	P.W.S.	278	2-5/8"	1-5/8"		4.4	

Note: each compressor has two motor versions for specific applications ("S" indicates a larger motor version)

Scope of Supply:

Winding protection with PTC resistor sensors and electronic trigger unit INT69 G 115-230 V AC, 50/60 Hz, IP00

Oil pump (note: rear bearing flange ready for oil differential pressure sensor DELTA-P II)

Charged with oil - BOCKlub E55

Oil sight glass

Internal safety valve

Suction and discharge service valves

4 anti-vibration pads (enclosed)

Option to fit oil level controls (ie: TRAXOIL, DEKA etc..)

Option to fit MP54 oil safety switch

Accessories:

Capacity regulator 230V-1-50/60 Hz, IP65

1-2 capacity regulator = 66/33% residual capacity

Cylinder head prepared for capacity regulator

Oil sump heater 230 V - 1 - 50/60 Hz, 160 W

Oil service valve

Oil pressure safety switch MP54 230 V - 1 - 50/60 Hz, IP20

Thermal protection thermostat per cylinder head

Connection piece suction and discharge valve in welding design

INT69 GTML Diagnose 115-230 V AC, 50/60 Hz, IP00, including oil differential pressure sensor INT250G, thermal protection thermostat per cylinder heads, (INT69 G not applicable)

Oil differential pressure sensor DELTA-P II 220-240 V - 1 - 50/60 Hz

Hot gas temperature sensor (Pt1000, for external evaluation)

Oil temperature sensor (Pt1000, for external evaluation)

DP-Modbus Gateway 115-230 V AC, 50/60 Hz, IP00 including adapter cable

Modbus-LAN Gateway 230 V AC, 50/60 Hz, IP00

USB converter for INT69 G Diagnose

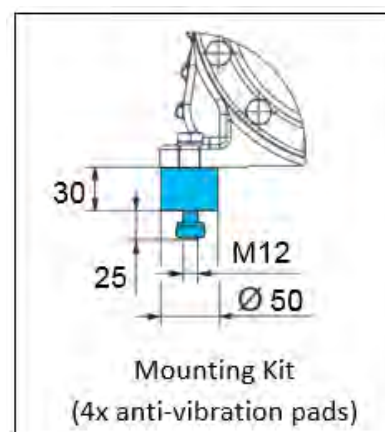
Additional fan 230 V AC - 1 - 50 Hz, 97 W, IP44

Injection nozzle for liquid injection

Step protection

4 anti-vibration pads enclosed

Special voltage and/or frequency (on request)



DANFOSS BOCK® HGX COMPRESSORS

Reciprocating Semi Hermetic Compressors

HGX88e Series – 8 Cylinder compressors

BOCK® Model Number	Displ m³/Hr	Maximum Working Current	Motor Type	Weight (Kg)	Suction Valve	Discharge Valve	Capacity Control	Oil Charge (litres)	C.C.H.
HGX88e/2400-4	209.1	101.0 amps	P.W.S.	452	3-1/8"	2-1/8"	1-3 capacity regulator 75/66/33% residual capacity Note: Purchased Separately	9.6	230v 50/60Hz 200 watt Note: Purchased Separately
HGX88e/2400-4 S	209.1	120.0 amps	P.W.S.	452	3-1/8"	2-1/8"		9.6	
HGX88e/2735-4	237.9	116.0 amps	P.W.S.	455	3-1/8"	2-1/8"		9.6	
HGX88e/2735-4 S	237.9	136.0 amps	P.W.S.	464	3-1/8"	2-1/8"		9.6	
HGX88e/3235-4	281.3	135.0 amps	P.W.S.	459	3-1/8"	2-1/8"	Note: Purchased Separately	9.6	Note: Purchased Separately
HGX88e/3235-4 S	281.3	162.0 amps	P.W.S.	467	3-1/8"	2-1/8"		9.6	

Note: each compressor has two motor versions for specific applications ("S" indicates a larger motor version)

Scope of Supply:

Winding protection with PTC resistor sensors and electronic trigger unit INT69 G 115-230 V AC, 50/60 Hz, IP00

Oil pump (note: oil pump cover with screw-in option for oil differential pressure sensor DELTA-P II)

Charged with oil - BOCKlub E55

Three sight glasses

Pressure relief valve

Suction and discharge service valves

4 anti-vibration pads (enclosed)

Option to fit oil level controls (ie: TRAXOIL, DEKA etc..)

Option to fit MP54 oil safety switch



Accessories:

Capacity regulator 230V-1-50/60 Hz, IP65

1-3 capacity regulator = 75/50/25% residual capacity

Cylinder head prepared for capacity regulator

Oil sump heater 230 V - 1 - 50/60 Hz, 200 W

Oil service valve

Oil pressure safety switch MP54 230 V - 1 - 50/60 Hz, IP20

Thermal protection thermostat per cylinder head

Connection piece suction and discharge valve in welding design

INT69 GTML Diagnose 115-230 V AC, 50/60 Hz, IP00, including oil differential pressure sensor INT250G, thermal protection thermostat per cylinder heads, (INT69 G not applicable)

Oil differential pressure sensor DELTA-P II 220-240 V - 1 - 50/60 Hz

Hot gas temperature sensor (Pt1000, for external evaluation)

Oil temperature sensor (Pt1000, for external evaluation)

DP-Modbus Gateway 115-230 V AC, 50/60 Hz, IP00 including adapter cable

Modbus-LAN Gateway 230 V AC, 50/60 Hz, IP00

USB converter for INT69 G Diagnose and INT69 GTML Diagnose

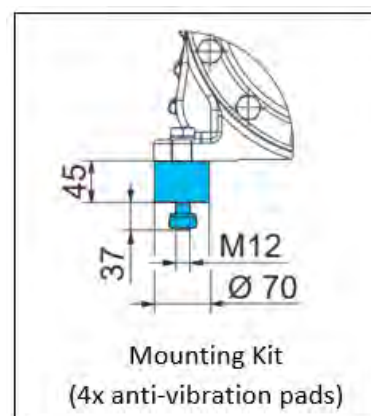
Additional fan 230 V AC - 1 - 50 Hz, 97 W, IP44

Intermediate adapter for discharge line valve

Step protection

4 anti-vibration pads enclosed

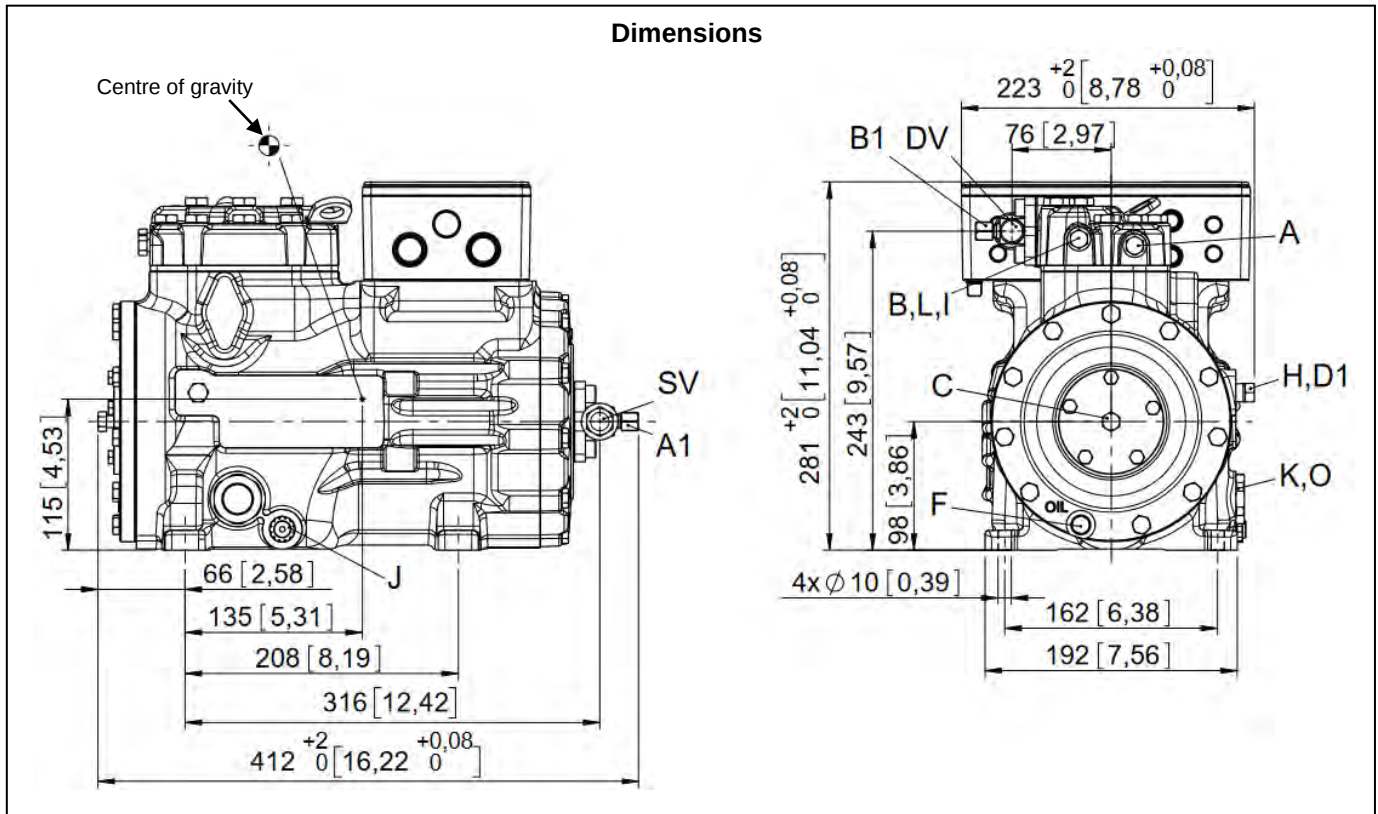
Special voltage and/or frequency (on request)



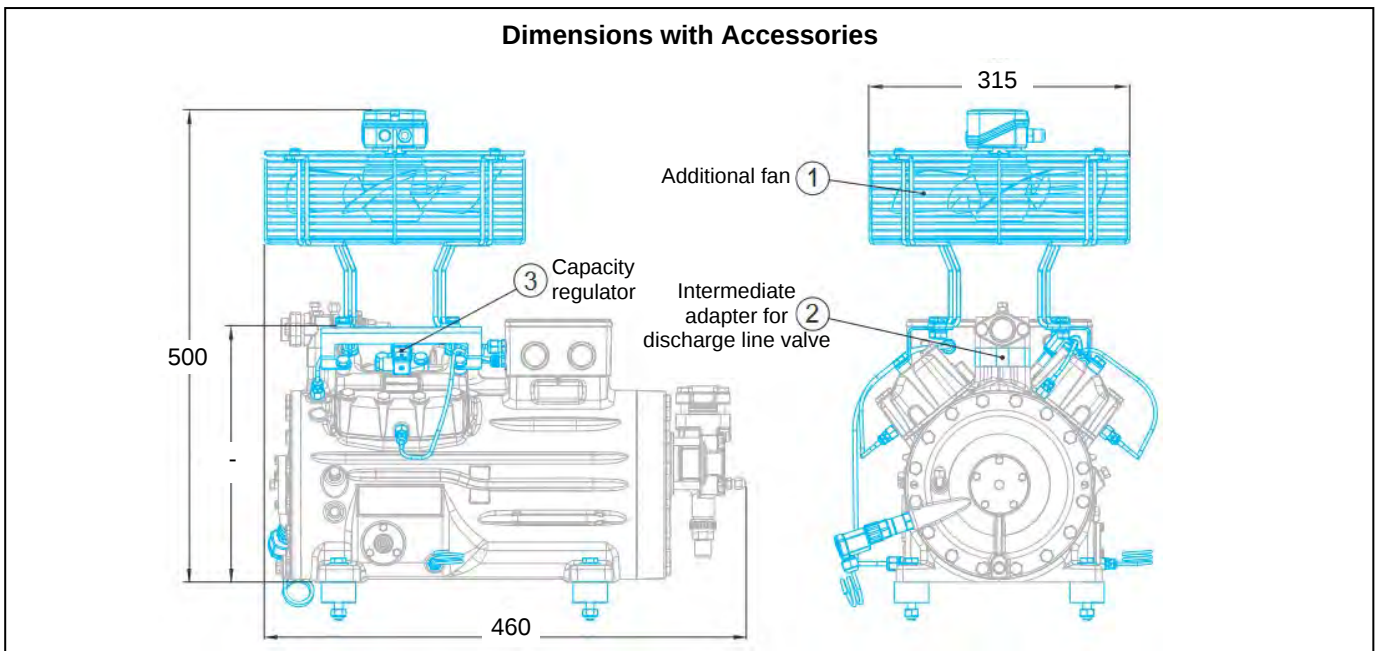
DANFOSS BOCK® HGX COMPRESSORS

HGX12P Series Compressor Dimensions

Dimensions



Dimensions with Accessories



SV	Suction line valve, tube Ø ¹⁾	16mm - 5/8"
DV	Discharge line valve, tube Ø ¹⁾	12mm - 1/2"
A	Connection suction side, not lockable	1/8 " NPTF
A1	Connection suction side, lockable	7/16 " UNF
B	Connection discharge side, not lockable	1/8 " NPTF
B1	Connection discharge side, lockable	7/16 " UNF
C	Connection oil pressure safety switch OIL	1/8 " NPTF
D1	Connection oil return from oil separator	1/4 " NPTF
D	Connection oil pressure safety switch LP	7/16 " UNF

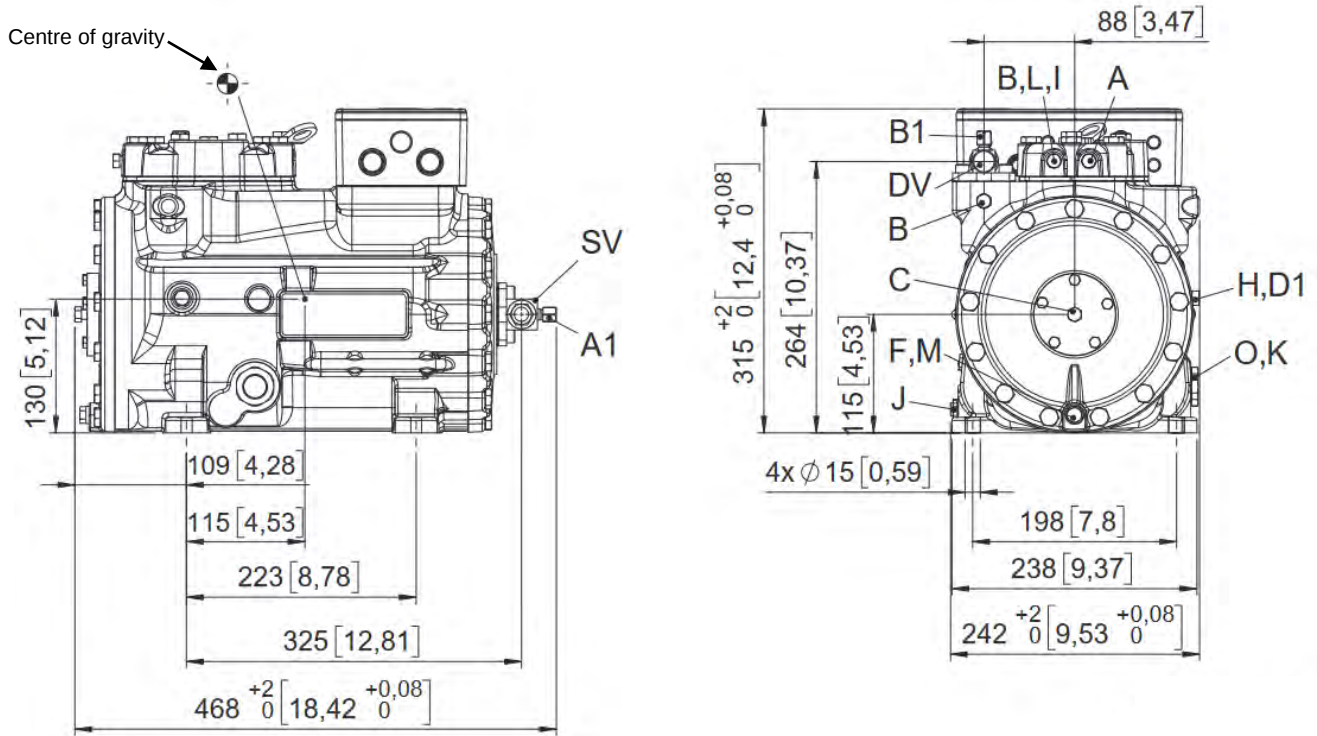
F	Oil drain	M 8
H	Oil charge plug	1/4 " NPTF
I	Connection hot gas temperature sensor	1/8 " NPTF
J	Connection oil sump heater	3/8 " NPTF
K	1 x Oil sight glass	(1/8 " NPTF- 18 UNEF)
L	Connection thermal protection thermostat	1/8 " NPTF
O	Connection oil level regulator	(1/8 " NPTF- 18 UNEF)

¹⁾ Brazing connection

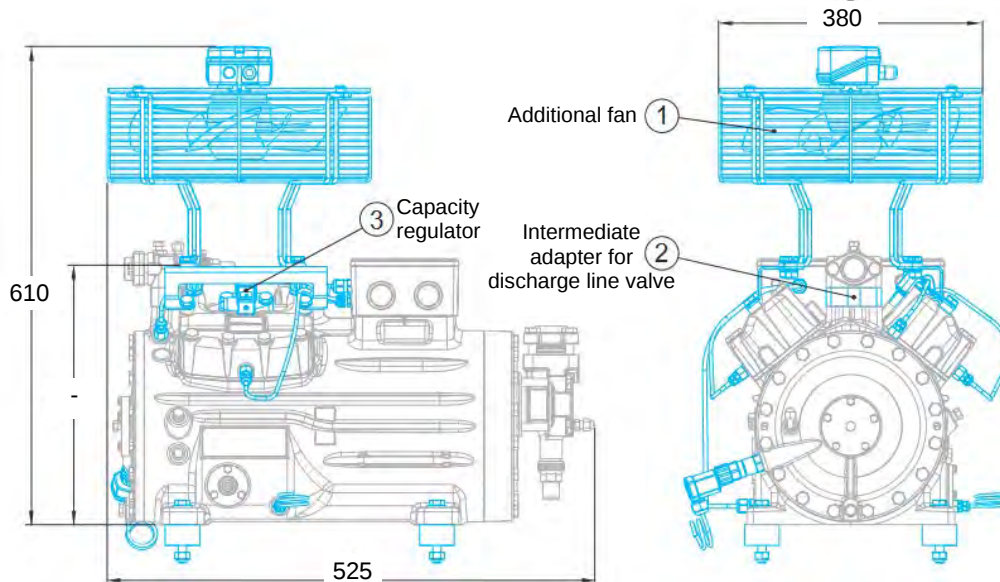
DANFOSS BOCK® HGX COMPRESSORS

HGX22e Series Compressor Dimensions

Dimensions



Dimensions with Accessories



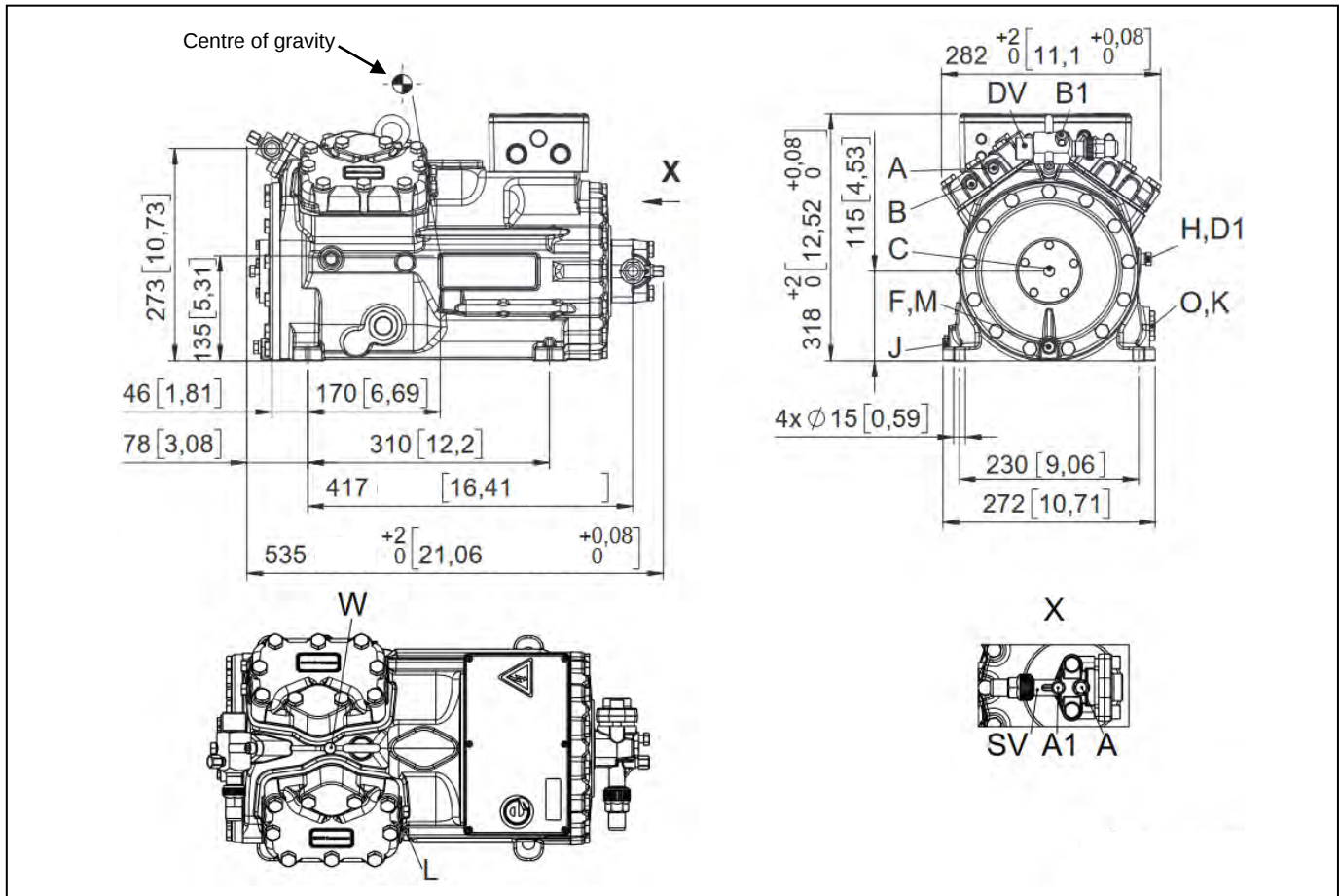
SV	Suction line valve, tube Ø ¹⁾	16mm - 5/8"
DV	Discharge line valve, tube Ø ¹⁾	12mm - 1/2"
A	Connection suction side, not lockable	1/8 " NPTF
A1	Connection suction side, lockable	7/16 " UNF
B	Connection discharge side, not lockable	1/8 " NPTF
B1	Connection discharge side, lockable	7/16 " UNF
C	Connection oil pressure safety switch OIL	1/8 " NPTF
D1	Connection oil return from oil separator	1/4 " NPTF
D	Connection oil pressure safety switch LP	7/16 " UNF

F	Oil drain	M 8
H	Oil charge plug	1/4 " NPTF
I	Connection hot gas temperature sensor	1/8 " NPTF
J	Connection oil sump heater	3/8 " NPTF
K	1 x Oil sight glass	(1/8 " NPTF- 18 UNEF)
L	Connection thermal protection thermostat	1/8 " NPTF
M	Oil Strainer	M 12 x 1.5
O	Connection oil level regulator	(1/8 " NPTF- 18 UNEF)

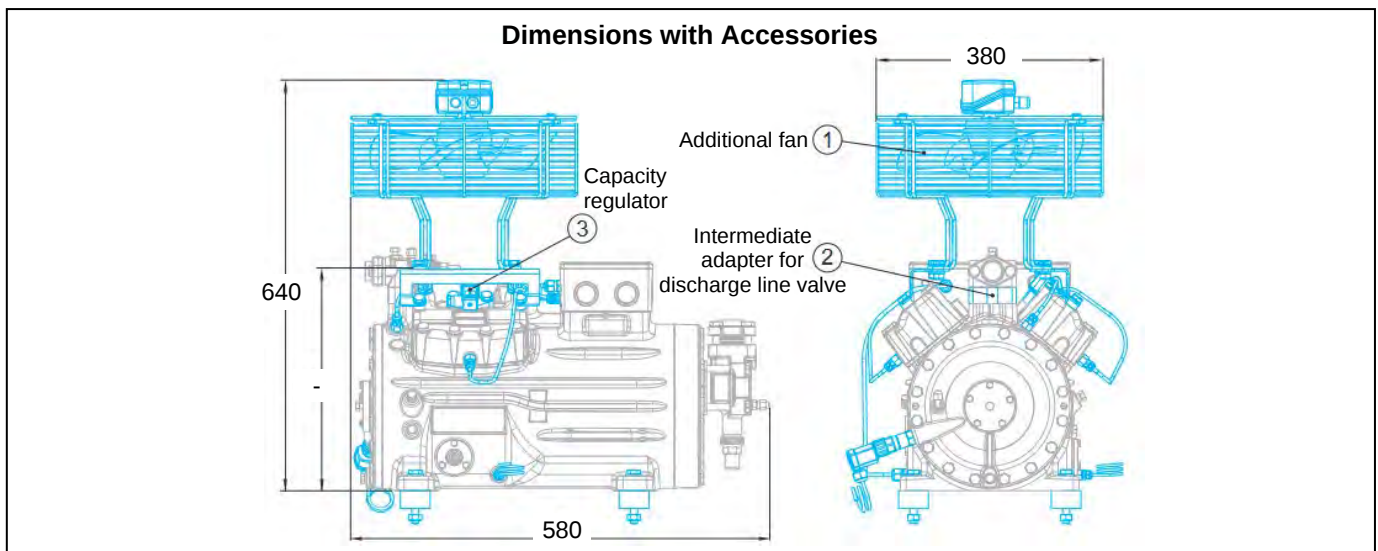
¹⁾ Brazing connection

DANFOSS BOCK® HGX COMPRESSORS

HGX34e Series Compressor Dimensions



Dimensions with Accessories



SV	Suction line valve, tube $\varnothing$ ¹⁾	28mm 1-1/8"
DV	Discharge line valve, tube $\varnothing$ ¹⁾	22mm 7/8"
A	Connection suction side, not lockable	1/8 " NPTF
A1	Connection suction side, lockable	7/16 " UNF
B	Connection discharge side, not lockable	1/8 " NPTF
B1	Connection discharge side, lockable	7/16 " UNF
C	Connection oil pressure safety switch OIL	1/8 " NPTF
D1	Connection oil return from oil separator	1/4 " NPTF

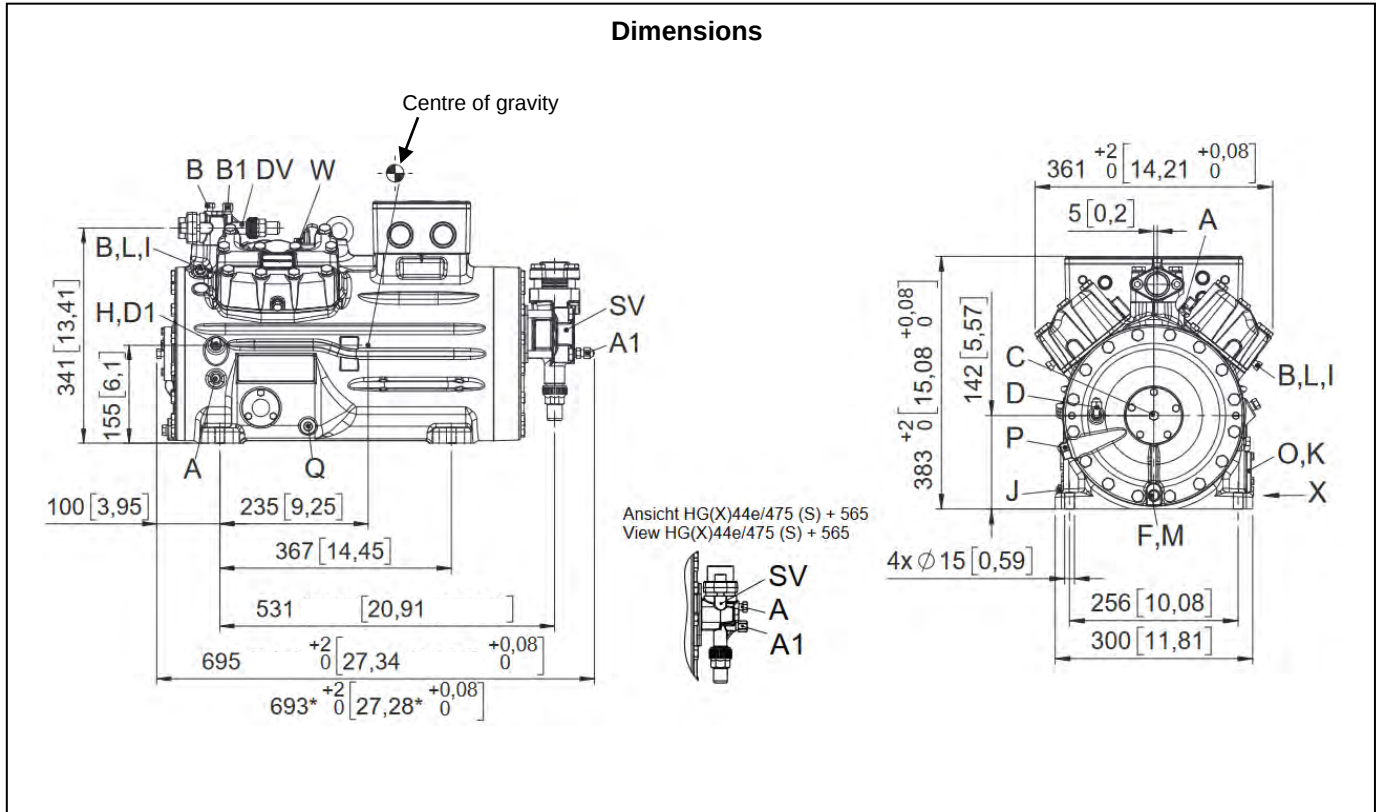
F	Oil drain	M 12 x 1.5
H	Oil charge plug	1/4 " NPTF
J	Connection oil sump heater	3/8 " NPTF
K	1 x Oil sight glass	(1/8 " NPTF- 18 UNEF)
L	Connection thermal protection thermostat	1/8 " NPTF
M	Oil Strainer	M 12 x 1.5
O	Connection oil level regulator	(1/8 " NPTF- 18 UNEF)

¹⁾ Brazing connection

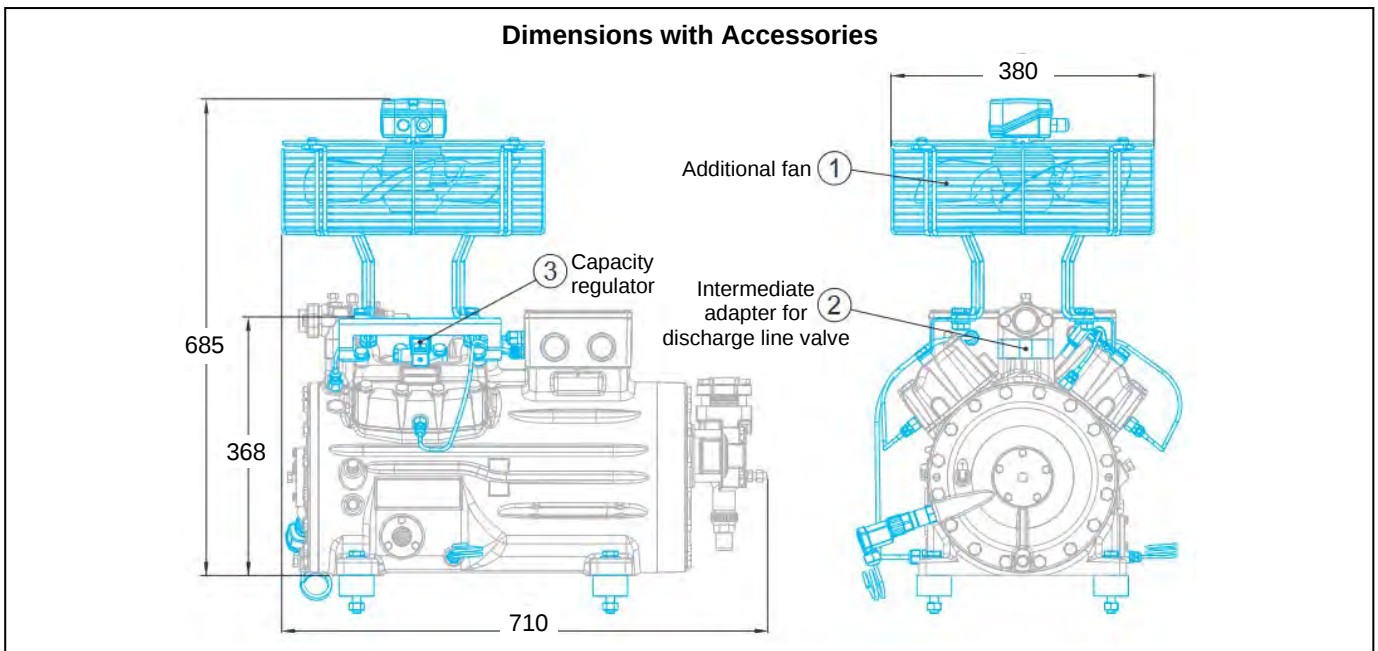
DANFOSS BOCK® HGX COMPRESSORS

HGX44e Series Compressor Dimensions

Dimensions



Dimensions with Accessories



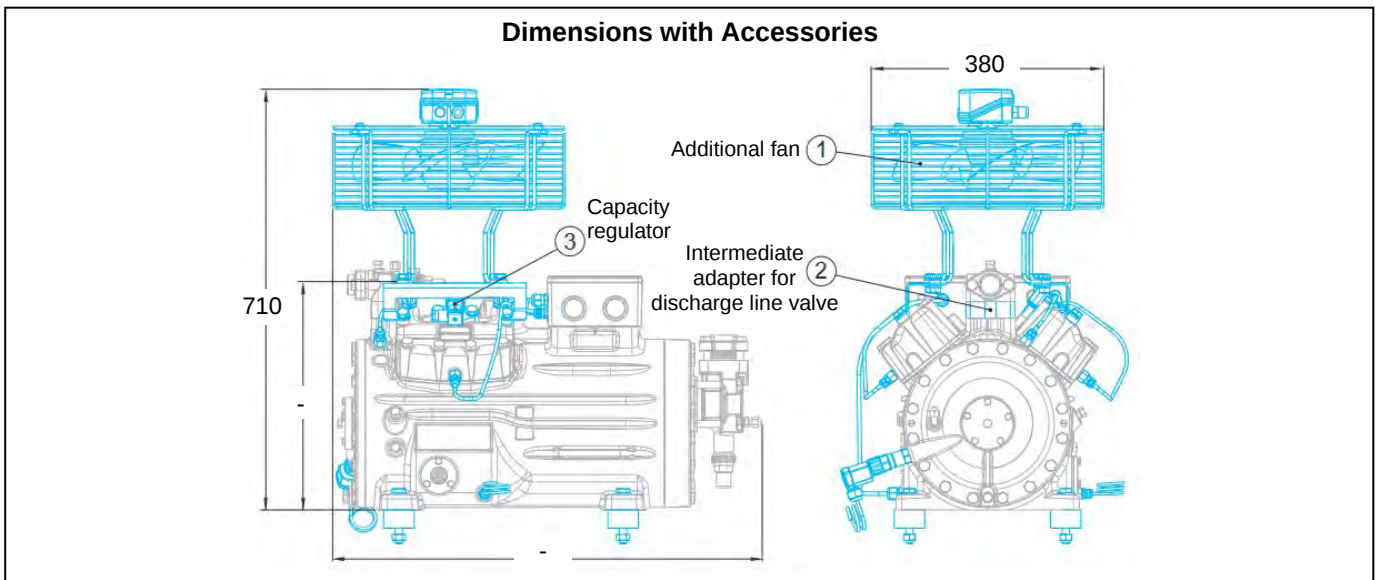
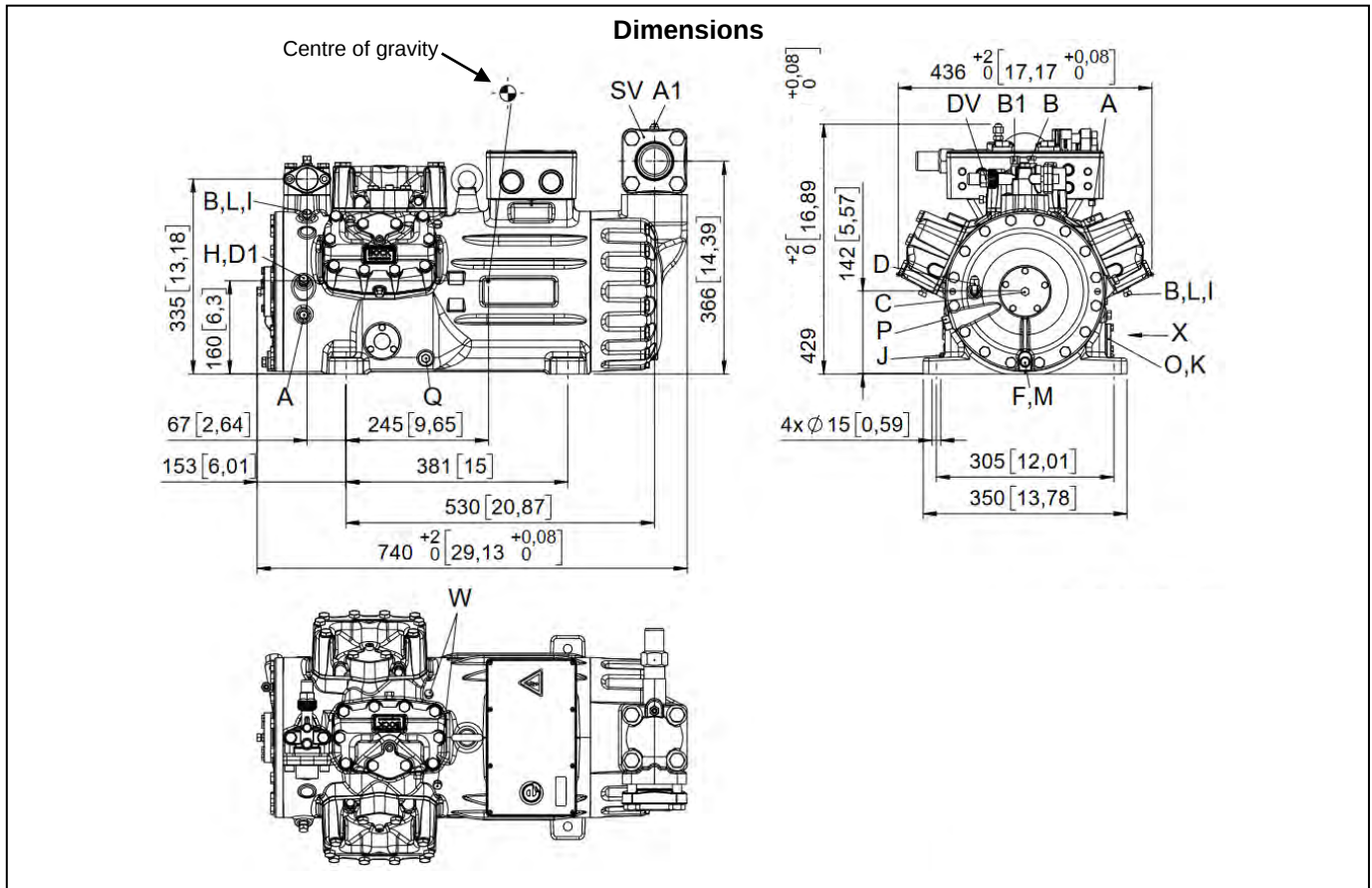
SV	Suction line valve, tube $\varnothing$ ¹⁾	42mm 1-5/8"
DV	Discharge line valve, tube $\varnothing$ ¹⁾	28mm 1-1/8"
A	Connection suction side, not lockable	1/8 " NPTF
A1	Connection suction side, lockable	7/16 " UNF
B	Connection discharge side, not lockable	1/8 " NPTF
B1	Connection discharge side, lockable	7/16 " UNF
C	Connection oil pressure safety switch OIL	1/8 " NPTF
D	Connection oil pressure safety switch LP	7/16 " UNF
D1	Connection oil return from oil separator	1/4 " NPTF
F	Oil drain	M 22 x 1.5
H	Oil charge plug	1/4 " NPTF

I	Connection hot gas temperature sensor	1/8 " NPTF
J	Connection oil sump heater	3/8 " NPTF
K	1 x Oil sight glass	3 x M 6
L	Connection thermal protection thermostat	1/8 " NPTF
M	Oil strainer	M 12 x 1.5
O	Connection oil level regulator	3 x M 6
P	Connection oil differential pressure sensor	M 20 x 1.5
Q	Connection oil temperature sensor	1/8 " NPTF
W	Connection for refrigerant injection	1/8 " NPTF

¹⁾ Brazing connection

DANFOSS BOCK® HGX COMPRESSORS

HGX56e Series Compressor Dimensions



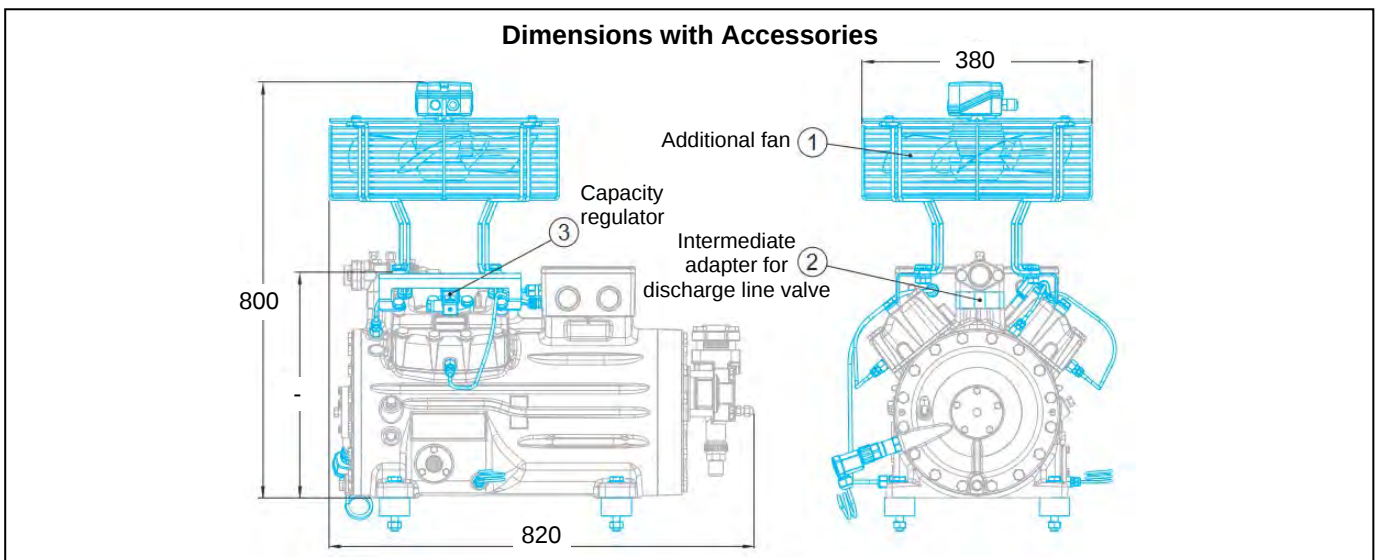
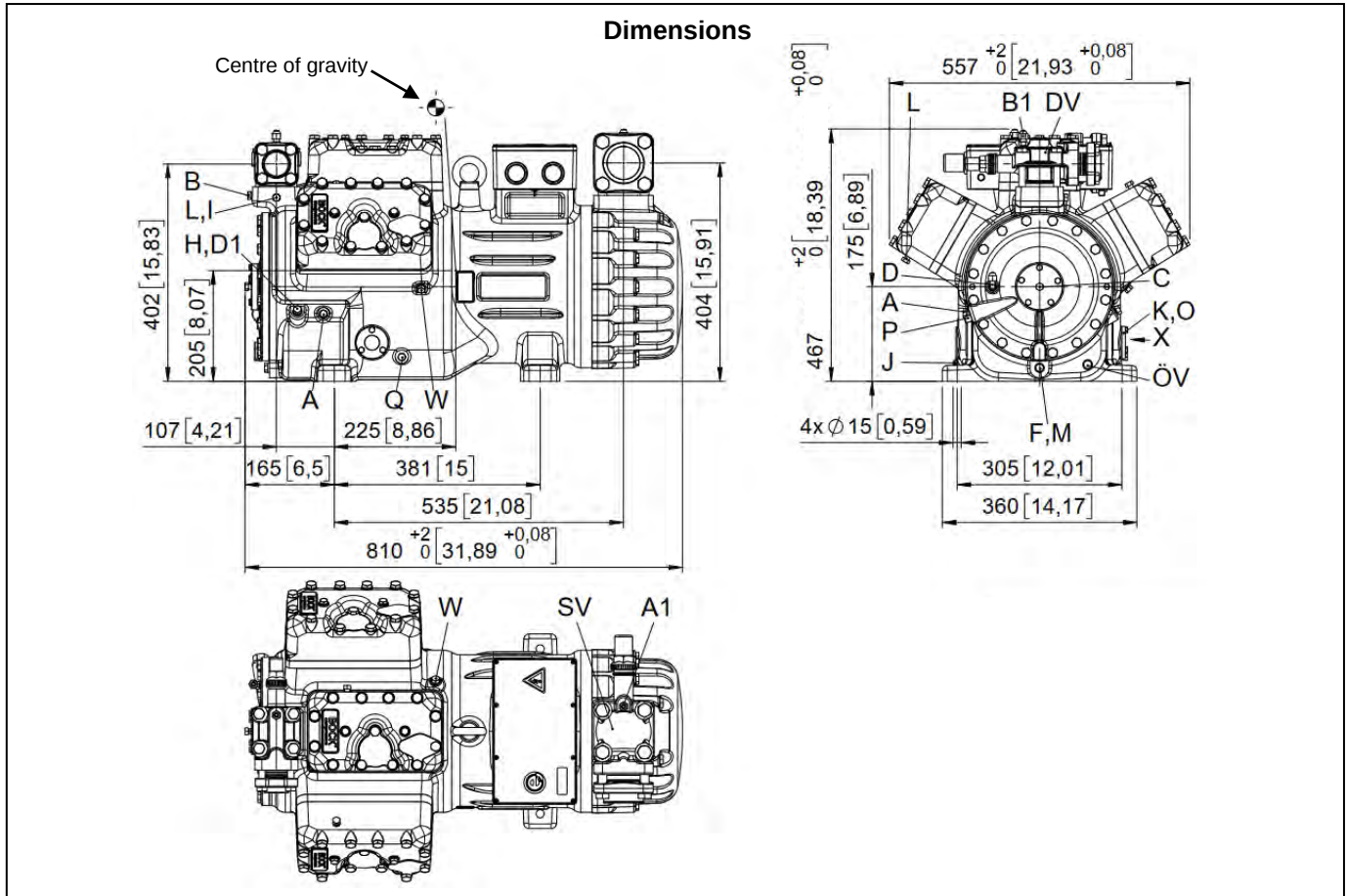
SV	Suction line valve, tube $\varnothing$ ¹⁾	54mm 2-1/8"
DV	Discharge line valve, tube $\varnothing$ ¹⁾	35mm 1-3/8"
A	Connection suction side, not lockable	1/8 " NPTF
A1	Connection suction side, lockable	7/16 " UNF
B	Connection discharge side, not lockable	1/8 " NPTF
B1	Connection discharge side, lockable	7/16 " UNF
C	Connection oil pressure safety switch OIL	1/8 " NPTF
D	Connection oil pressure safety switch LP	7/16 " UNF
D1	Connection oil return from oil separator	1/4 " NPTF
F	Oil drain	M 22 x 1.5
H	Oil charge plug	1/4 " NPTF

I	Connection hot gas temperature sensor	1/8 " NPTF
J	Connection oil sump heater	3/8 " NPTF
K	1 x Oil sight glass	3 x M 6
L	Connection thermal protection thermostat	1/8 " NPTF
M	Oil strainer	M 12 x 1.5
O	Connection oil level regulator	3 x M 6
P	Connection oil differential pressure sensor	M 20 x 1.5
Q	Connection oil temperature sensor	1/8 " NPTF
W	Connection for refrigerant injection	2x 1/8" NPTF

¹⁾ Brazing connection

DANFOSS BOCK® HGX COMPRESSORS

HGX66e Series Compressor Dimensions



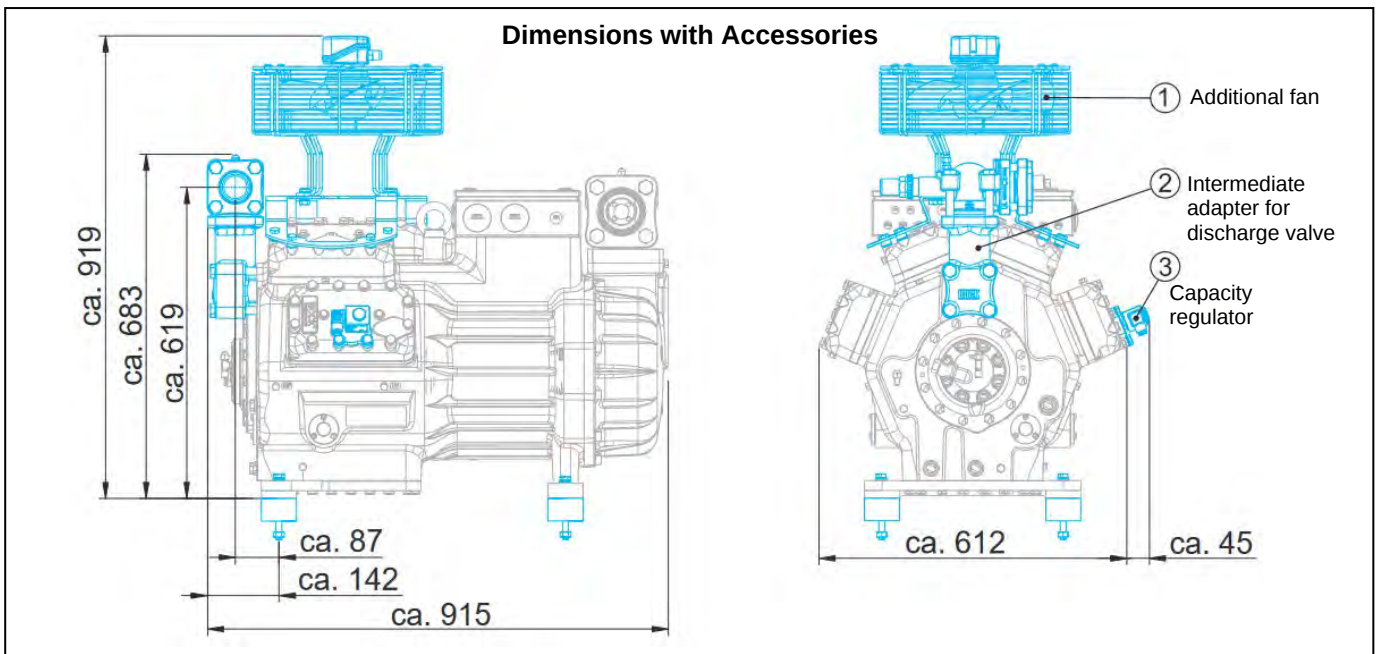
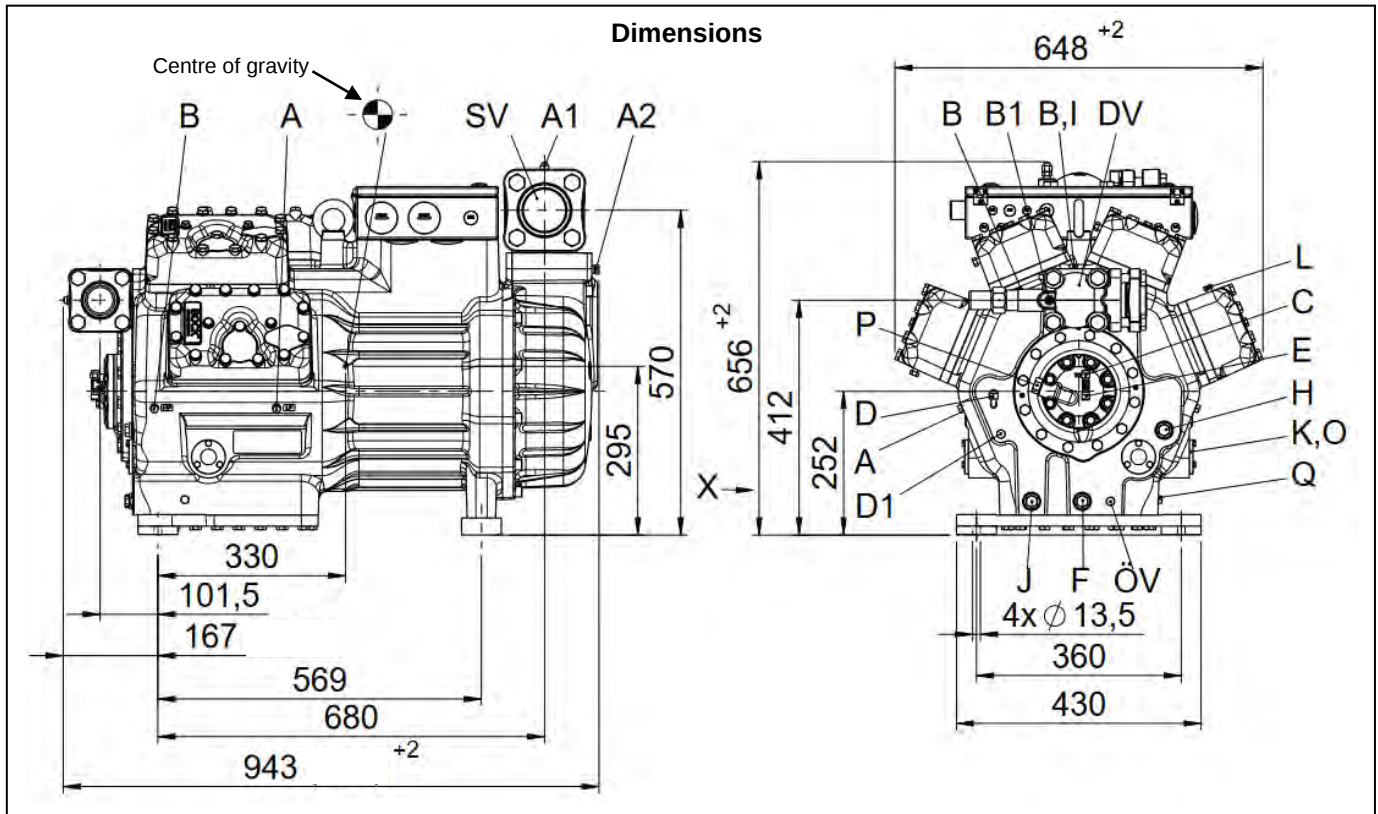
SV	Suction line valve, tube Ø ¹⁾	64mm 2-5/8"
DV	Discharge line valve, tube Ø ¹⁾	42mm 1-5/8"
A	Connection suction side, not lockable	1/8 " NPTF
A1	Connection suction side, lockable	7/16 " UNF
B	Connection discharge side, not lockable	1/8 " NPTF
B1	Connection discharge side, lockable	7/16 " UNF
C	Connection oil pressure safety switch OIL	1/8 " NPTF
D	Connection oil pressure safety switch LP	7/16 " UNF
D1	Connection oil return from oil separator	1/4 " NPTF
F	Oil drain	M 22 x 1.5
H	Oil charge plug	1/4 " NPTF

I	Connection hot gas temperature sensor	1/8 " NPTF
J	Connection oil sump heater	3/8 " NPTF
K	1 x Oil sight glass	3 x M 6
L	Connection thermal protection thermostat	1/8 " NPTF
M	Oil strainer	M 12 x 1.5
O	Connection oil level regulator	3 x M 6
OV	Connection oil service valve	1/4 " NPTF
P	Connection oil differential pressure sensor	M 20 x 1.5
Q	Connection oil temperature sensor	1/8 " NPTF
W	Connection for refrigerant injection	2x 1/8 " NPTF

¹⁾ Brazing connection

DANFOSS BOCK® HGX COMPRESSORS

HGX88e Series Compressor Dimensions



SV	Suction line valve, tube $\varnothing$ ¹⁾	76mm 3-1/8"
DV	Discharge line valve, tube $\varnothing$ ¹⁾	54mm 2-1/8"
A	Connection suction side, not lockable	1/8 " NPTF
A1	Connection suction side, lockable	7/16 " UNF
A2	Connection suction side, not lockable:	1/4 " NPTF
B	Connection discharge side, not lockable	1/8 " NPTF
B1	Connection discharge side, lockable	7/16 " UNF
C	Connection oil pressure safety switch OIL	7/16 " UNF
D	Connection oil pressure safety switch LP	7/16 " UNF
D1	Connection oil return from oil separator	1/4 " NPTF
E	Connection oil pressure gauge	7/16 " UNF

F	Oil drain	M 22 x 1.5
H	Oil charge plug	M 22 x 1.5
I	Connection hot gas temperature sensor	1/8 " NPTF
J	Connection oil sump heater	M 22 x 1.5
K	3 x Oil sight glasses	3 x M 6 (each)
L	Connection thermal protection thermostat	1/8 " NPTF
O	Connection oil level regulator	3 x M 6
OV	Connection oil service valve	1/4 " NPTF
P	Connection oil differential pressure sensor	M 20 x 1.5
Q	Connection oil temperature sensor	1/8 " NPTF

¹⁾ Brazing connection