



## GEA Bock

Price List

Valid from 01.01.2014

New products:

**Efficiency optimized semi-hermetic compressors HG(X)88e / 2735 + 3235, see page 9**

(as substitution for compressors HG(X) 8 / 2830 + 3220)

**Efficiency optimized semi-hermetic compressors (subcritical) HGX12e CO<sub>2</sub>, see page 16**

(as substitution for compressors HGX12P CO<sub>2</sub>)

**Plusbox outdoor complete condensing units SHG(X)34e PB + P&P, see page 28 or 29**

**Condensing units two-stage SHGZ(X)7 L, see page 34**

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Valid for deliveries as from 01.01.2014. Prices without VAT. Recommended price. Subject to changes. By means of this price list all earlier mentioned prices are no more valid. Exclusively our sales conditions are valid, which we gladly provide you upon request. You also find them in the internet under [www.bock.de/Imprint](http://www.bock.de/Imprint) and Legal References'.

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HG Series			Surcharges EUR (● = standard)									
Semi-hermetic Compressors			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator	Start unloader by means of Bock ESS (2) -enclosed-	Cylinder cover prepared for capacity regulator	Additional fan (3) -enclosed-	continuously variable speed control by means of a Bock EFC, Electronic Frequency Control (4)	continuously variable speed control by means of a Bock EFC, Electronic Frequency Control (5)	motor in special voltage and/or frequency
Type	EUR	Part no.										
HG12P/60-4S	1.375,00	14541	●	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
HGX12P/60-4S	1.393,00	14549										
HG12P/75-4	1.375,00	14542	●	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
HGX12P/75-4	1.393,00	14550										
HG12P/75-4S	1.404,00	14543	●	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
HGX12P/75-4S	1.422,00	14551										
HG12P/90-4	1.404,00	14544	●	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
HGX12P/90-4	1.422,00	14552										
HG12P/90-4S	1.468,00	14545	●	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
HGX12P/90-4S	1.486,00	14553										
HG12P/110-4	1.468,00	14546	●	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
HGX12P/110-4	1.486,00	14554										
HG12P/110-4S	1.536,00	14547	●	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
HGX12P/110-4S	1.554,00	14555										
HG22e/125-4	2.001,00	14784	●	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
HGX22e/125-4	2.021,00	14787										
HG22e/125-4S	2.161,00	14790	●	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
HGX22e/125-4S	2.181,00	14793										
HG22e/160-4	2.083,00	14785	●	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
HGX22e/160-4	2.103,00	14788										
HG22e/160-4S	2.174,00	14791	●	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
HGX22e/160-4S	2.194,00	14794										
HG22e/190-4	2.161,00	14786	●	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
HGX22e/190-4	2.181,00	14789										
HG22e/190-4S	2.258,00	14792	●	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
HGX22e/190-4S	2.278,00	14795										

**scope of supply:**

Semi-hermetic reciprocating two cylinder compressor with drive motor for direct start  
 220-240 V Δ / 380-420 V Y -3- 50 Hz  
 265-290 V Δ / 440-480 V Y -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor, sight glass, suction and discharge line valve, winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, with additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil, inert gas charge, 4 anti-vibration pads enclosed

- (1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (2) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (3) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54

- (4) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA
- (5) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer, external control signal 4-20 mA oder 0-10 V (please mention for every order)

HG Series Semi-hermetic Compressors Oil charge HG: Fuchs Reniso SP46 Oil charge HGX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)										
			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator (2)	Start unloader by means of Bock ESS (3) -enclosed-	Oil pressure safety switch MP 55 (4) -enclosed-	Cylinder cover prepared for capacity regulator	Additional fan (5) -enclosed-	continuously variable speed control by means of a Bock EFC, Electronic Frequency Control (6)	continuously variable speed control by means of a Bock EFC, Electronic Frequency Control (7)	motor in special voltage and/or frequency
Type	EUR	Part no.											
HG34e/215-4	2.353,00	14355	●	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
HGX34e/215-4	2.380,00	14359											
HG34e/215-4S	2.574,00	14371	●	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
HGX34e/215-4S	2.601,00	14375											
HG34e/255-4	2.413,00	14356	●	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
HGX34e/255-4	2.440,00	14360											
HG34e/255-4S	2.707,00	14372	●	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
HGX34e/255-4S	2.734,00	14376											
HG34e/315-4	2.916,00	14357	●	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
HGX34e/315-4	2.943,00	14361											
HG34e/315-4S	3.081,00	14373	●	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
HGX34e/315-4S	3.108,00	14377											
HG34e/380-4	3.330,00	14358	●	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
HGX34e/380-4	3.357,00	14362											
HG34e/380-4S	3.528,00	14374	●	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
HGX34e/380-4S	3.555,00	14378											

**scope of supply:**

Semi-hermetic reciprocating four cylinder compressor with drive motor for direct start  
 220-240 V Δ / 380-420 V Y -3- 50 Hz  
 265-290 V Δ / 440-480 V Y -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor, sight glass, suction and discharge line valve, winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, with additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil, inert gas charge, 4 anti-vibration pads enclosed

- (1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (2) 230 V -1- 50/60 Hz, IP65  
1 capacity regulator = 50% residual power
- (3) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (4) 230 V -1- 50/60 Hz, IP20
- (5) 230 V Δ / 400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (6) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA
- (7) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer, external control signal 4-20 mA oder 0-10 V (please mention for every order)

HG Series			Surcharges EUR (● = standard)															
Semi-hermetic Compressors			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3)	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch (Δp-switch make Kriwan) (7) -enclosed-	Oil service valve	Additional fan (8) -enclosed-	Bock Compressor Management BCM2000 (9)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.																
HG4/465-4	4.704,00	13792	●	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request	On request
HGX4/465-4	4.761,00	13797																
HG4/465-4S	4.837,00	13762	●	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request	On request
HGX4/465-4S	4.894,00	13777																
HG4/555-4	4.891,00	13793	●	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request	On request
HGX4/555-4	4.948,00	13798																
HG4/555-4S	5.245,00	13763	●	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request	On request
HGX4/555-4S	5.302,00	13778																
HG4/650-4	5.516,00	13794	●	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request	On request
HGX4/650-4	5.573,00	13799																
HG4/650-4S	5.869,00	13764	●	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request	On request
HGX4/650-4S	5.926,00	13779																
HG5/725-4	7.231,00	13740	●	77,60	137,00	343,00	534,00	1.027,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request
HGX5/725-4	7.307,00	13800																
HG5/725-4S	7.609,00	13741	●	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request
HGX5/725-4S	7.685,00	13801																
HG5/830-4	7.250,00	13742	●	77,60	137,00	343,00	534,00	1.027,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request
HGX5/830-4	7.326,00	13802																
HG5/830-4S	7.628,00	13743	●	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request
HGX5/830-4S	7.704,00	13803																
HG5/945-4	8.145,00	13744	●	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request
HGX5/945-4	8.221,00	13804																
HG5/945-4S	8.485,00	13745	●	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request
HGX5/945-4S	8.561,00	13805																

**scope of supply:**

Semi-hermetic four cylinder reciprocating compressor with drive motor for part winding start 380-420 V Y/YY -3- 50 Hz  
 440-480 V Y/YY -3- 60 Hz  
 Motor unit flanged onto compressor housing, sight glass, suction and discharge line valve, Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10,  
 Oil pump cover with screwed connection for differential oil pressure switch (Δ p-switch make Kriwan), Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (makes Traxoil only possible with additional adapter), prepared for capacity regulator (1 cylinder cover), decompression valve, inert gas charge, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 80 W at HG(X)4, 140 W at HG(X)5
- (2) per compressor 2 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
1 capacity regulator = 50% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat thermique (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (9) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

HG Series			Surcharges EUR (● = standard)																
Semi-hermetic Compressors			oil pump	Oilump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3), price for 1 piece	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch (Δp-switch make Kriwan) (7) -enclosed-	Oil service valve	Additional fan (8) -enclosed-	Bock Compressor Management BCM2000 (9)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency	
Type	EUR	Part no.																	
HG6/1080-4	8.954,00	13722	●	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request	
HGX6/1080-4	9.030,00	13752																	
HG6/1080-4S	9.657,00	13723	●	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request	
HGX6/1080-4S	9.733,00	13753																	
HG6/1240-4	9.227,00	13724	●	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request	
HGX6/1240-4	9.303,00	13754																	
HG6/1240-4S	9.968,00	13725	●	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request	
HGX6/1240-4S	10.044,00	13755																	
HG6/1410-4	10.504,00	13726	●	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request	
HGX6/1410-4	10.580,00	13756																	
HG6/1410-4S	10.989,00	13727	●	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request	On request	
HGX6/1410-4S	11.065,00	13757																	
HG7/1620-4	12.399,00	14268	●	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	1.037,00	306,00	630,00	181,00	On request	On request	
HGX7/1620-4	12.485,00	14274																	
HG7/1620-4S	12.926,00	14269	●	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	1.037,00	306,00	630,00	181,00	On request	On request	
HGX7/1620-4S	13.012,00	14275																	
HG7/1860-4	12.926,00	14270	●	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	1.037,00	306,00	630,00	181,00	On request	On request	
HGX7/1860-4	13.012,00	14276																	
HG7/1860-4S	13.205,00	14271	●	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	1.037,00	306,00	630,00	181,00	On request	On request	
HGX7/1860-4S	13.291,00	14277																	
HG7/2110-4	14.674,00	14272	●	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	1.037,00	306,00	630,00	181,00	On request	On request	
HGX7/2110-4	14.760,00	14278																	
HG7/2110-4S	15.858,00	14273	●	77,60	137,00	343,00	534,00	-	315,00	242,00	48,00	424,50	1.037,00	306,00	630,00	181,00	On request	On request	
HGX7/2110-4S	15.944,00	14279																	

**scope of supply:**

HG(X)6 = Semi-hermetic four cylinder reciprocating compressor with drive motor for part winding start 380-420 V Y/YY -3- 50 Hz / 440-480 V Y/YY -3- 60 Hz  
 Motor unit flanged onto compressor housing, sight glass, prepared for capacity regulator (1 cylinder cover)

HG(X)7 = Semi-hermetic six cylinder reciprocating compressor with drive motor for part winding start 380-420 V Δ/YYY -3- 50 Hz / 440-480 V Δ/YYY -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor, two sight glasses, prepared for capacity regulator (2 cylinder covers)

suction and discharge line valve, Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, Oil pump cover with screwed connection for differential oil pressure switch (Dp-switch make Kriwan), Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter), decompression valve, inert gas charge, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 140 W
- (2) HG(X)6 2 x, HG(X)7 3 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
 HG(X) 6 = 1 capacity regulator = 50% residual power  
 HG(X) 7 = 1-2 capacity regulators = 66/33% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) 230 V Δ / 400 V Y -3- 50 Hz, 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz, 190 W, IP54
- (9) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

HG Series			Surcharges EUR (● = standard)															
Semi-hermetic Compressors			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3), price for 1 piece	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch (Δp-switch make Kriwan) (7) -enclosed-	Oil service valve	Additional fan (8) -enclosed-	Bock Compressor Management BCM2000 (9)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.																
HG8/2470-4	15.994,00	14400	●	94,00	137,00	343,00	534,00	-	-	242,00	●	424,50	1.166,00	408,00	840,00	193,50	43,00	On request
HGX8/2470-4	16.120,00	14406																
HG8/2470-4S	16.467,00	14401	●	94,00	137,00	343,00	534,00	-	-	242,00	●	424,50	1.166,00	408,00	840,00	193,50	43,00	On request
HGX8/2470-4S	16.593,00	14407																

**scope of supply:**

Semi-hermetic eight cylinder reciprocating compressor with drive motor for part winding start  
 380-420 V Δ/YYY -3- 50 Hz  
 440-480 V Δ/YYY -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor, three sight glasses,  
 Prepared for capacity regulator (3 cylinder covers), Suction and discharge line valve,  
 Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10,  
 Oil pump cover with screwed connection for differential oil pressure switch (Δp-switch make Kriwan)  
 Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter), Decompression valve, Inert gas charge,  
 Oil service valve, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 200 W
- (2) per compressor 4 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
 1-3 capacity regulator =  
 75/50/25% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00)
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (9) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

HG Series			Surcharges EUR (● = standard)															
Semi-hermetic Compressors			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3), price for 1 piece	Oil pressure safety switch MP 54 (4) -enclosed-	Differential oil pressure switch (Δp-switch make Kriwan) (5) -enclosed-	INT69 GTML Diagnose (6) incl. differential oil pressure switch INT250 (5) and 4 pc. thermal protection thermostat (PTC), (INT69 G not applicable)	DP-Modbus Gateway (6) incl. adapter cable	Modbus-LAN Gateway (7) -enclosed-	USB converter for INT69 G Diagnose and INT69 GTML Diagnose -enclosed-	oil temperature control	Oil service valve	Additional fan (8) -enclosed-	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.																
HG88e/2735-4	17670,00	14292	●	94,00	137,00	571,00	315,00	242,00	955,00	378,50	452,00	303,00	108,00	48,00	424,50	193,50	43,00	On request
HGX88e/2735-4	17796,00	14296																
HG88e/2735-4S	18143,00	14293	●	94,00	137,00	571,00	315,00	242,00	955,00	378,50	452,00	303,00	108,00	48,00	424,50	193,50	43,00	On request
HGX88e/2735-4S	18269,00	14297																
HG88e/3235-4	19767,00	14294	●	94,00	137,00	571,00	315,00	242,00	955,00	378,50	452,00	303,00	108,00	48,00	424,50	193,50	43,00	On request
HGX88e/3235-4	19893,00	14298																
HG88e/3235-4S	20187,00	14295	●	94,00	137,00	571,00	315,00	242,00	955,00	378,50	452,00	303,00	108,00	48,00	424,50	193,50	43,00	On request
HGX88e/3235-4S	20313,00	14299																

Semi-hermetic eight cylinder reciprocating compressor with drive motor for part winding start  
 380-420 V Δ/YYY -3- 50 Hz  
 440-480 V Δ/YYY -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor, three sight glasses,  
 Suction and discharge line valve, Winding protection with PTC resistor sensors and electronic triggering unit INT69 G, Oil pump cover with screwed connection for differential oil pressure switch (Δp-switch make Kriwan), Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter), Decompression valve, Inert gas charge, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 200 W
- (2) per compressor 4 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
1-3 capacity regulator = 75/50/25% residual power
- (4) 230 V -1- 50/60 Hz, IP20
- (5) 220-240 V -1- 50/60 Hz
- (6) 115-230 V AC, 50/60 Hz, IP00
- (7) 230 V AC, 50/60 Hz, IP00
- (8) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54

HG Series R134a Semi-hermetic Compressors Oil charge: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)																
Type	EUR	Part no.	oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator	Start unloader	Start unloader by means of Bock ESS (3) -enclosed-	Oil pressure safety switch MP 54 (4) -enclosed-	Differential oil pressure switch (Δp-switch make Kriwan) (5) -enclosed-	Oil service valve	Additional fan -enclosed-	Bock Compressor Management BCM2000 (6)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency	
HGX4/465-4 R134a	4.520,00	14724																	
HGX4/555-4 R134a	4.700,00	14725	●	77,60	137,00	-	-	1.027,00	315,00	242,00	48,00	-	908,00	182,00	342,00	151,50	On request	On request	
HGX4/650-4 R134a	5.291,00	14726																	
HGX5/725-4 R134a	6.942,00	14730																	
HGX5/830-4 R134a	6.959,00	14731	●	77,60	137,00	-	-	1.027,00	315,00	242,00	48,00	-	908,00	204,00	420,00	151,50	On request	On request	
HGX5/945-4 R134a	7.810,00	14732						1.435,00											
HGX6/1080-4 R134a	8.578,00	14736						1.435,00											
HGX6/1240-4 R134a	8.838,00	14737	●	77,60	137,00	-	-	1.804,00	315,00	242,00	48,00	-	908,00	204,00	420,00	151,50	On request	On request	
HGX6/1410-4 R134a	10.051,00	14738																	
HGX7/1620-4 R134a	11.860,00	14742																	
HGX7/1860-4 R134a	12.361,00	14743	●	77,60	137,00	-	-	2.174,00	315,00	242,00	48,00	-	1.037,00	306,00	630,00	181,00	On request	On request	
HGX7/2110-4 R134a	14.022,00	14744																	

**scope of supply:**

HGX4 +5 + 6 = Semi-hermetic four cylinder reciprocating compressor with drive motor for part winding start

380-420 V Y/YY -3- 50 Hz

440-480 V Y/YY -3- 60 Hz

Motor unit flanged onto compressor housing, sight glass

HGX7 = Semi-hermetic six cylinder reciprocating compressor with drive motor for part winding start

380-420 V Δ/YYY -3- 50 Hz

440-480 V Δ/YYY -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor, two sight glasses

Suction and discharge line valve, Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, Oil pump cover with screwed connection for differential oil pressure switch (Δp-switch make Kriwan), Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter), Decompression valve, Inert gas charge, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 80 W at HGX4, 140 W at HGX5 + 6 + 7
- (2) HGX4 + 5 + 6 2 x, HGX7 3 x possible
- (3) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (4) 230 V -1- 50/60 Hz, IP20

- (5) 220-240 V -1- 50/60 Hz
- (6) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

HGZ Series two stage Semi-hermetic Compressors			Surcharges EUR (● = standard)									
Oil charge HGZ: Fuchs Reniso SP46 Oil charge HGZX: Fuchs Reniso Triton SE55			Liquid supercooler, reinjection valve, solenoid valve (1), two sightglasses, filter dryer enclosed separately (extra item) for individual, external mounting. For the function of the compressor the mounting is absolutely necessary.	Liquid supercooler, reinjection valve, solenoid valve (1), two sightglasses, filter dryer, direct built, piped and insulated onto the compressor.	oil pump	Oilsump heater (2)	Thermal protection thermostat (PTC)	Oil pressure safety switch MP 54 (3) -enclosed-	Differential oil pressure switch (Δp-switch make Kriwan) (4) -enclosed- -Beipack-	Oil service valve	Bock Compressor Management BCM2000 (5)	motor in special voltage and/or frequency
Type	EUR	Part no.										
HGZ7/1620-4 R22	15.287,00	14412										
HGZX7/1620-4 R404A/R507	15.373,00	14415	1.528,00	2.748,00	●	77,60	137,00	315,00	242,00	48,00	1.037,00	On request
HGZX7/1620-4 R410A	15.373,00	14418										
HGZ7/1860-4 R22	15.614,00	14413										
HGZX7/1860-4 R404A/R507	15.700,00	14416	1.528,00	2.748,00	●	77,60	137,00	315,00	242,00	48,00	1.037,00	On request
HGZX7/1860-4 R410A	15.700,00	14419										
HGZ7/2110-4 R22	16.510,00	14414										
HGZX7/2110-4 R404A/R507	16.596,00	14417	1.528,00	2.748,00	●	77,60	137,00	315,00	242,00	48,00	1.037,00	On request
HGZX7/2110-4 R410A	16.596,00	14420										

**scope of supply:**

Semi-hermetic six cylinder reciprocating compressor with drive motor for part winding start  
 380-420 V ΔYYY -3- 50 Hz  
 440-480 V ΔYYY -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor, Cylinders arranged in W form Stages divided into LP/HP in relation 2:1, intermediate pressure line mounted and insulated, three sight glasses, Suction and discharge line valve, Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, Oil pump cover with screwed connection for differential oil pressure switch (Δp-switch make Kriwan), Possibility for connection of oil level controllers makes ESK, AC+R or Carly, Decompression valve, Inert gas charge,  
 4 anti-vibration pads enclosed

- (1) 230 V -1- 50/60 Hz
- (2) 220-240 V -1- 50/60 Hz, 140 W
- (3) 230 V -1- 50/60 Hz, IP20
- (4) 220-240 V -1- 50/60 Hz
- (5) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

HG Series ATEX Semi-hermetic Compressors			Surcharges EUR (● = standard)				
Oil charge EX-HG: Fuchs Reniso SP46 Oil charge EX-HGX: Fuchs Reniso Triton SE55			oil pump	Oilsump heater (1) -enclosed-	Capacity regulator	motor in special voltage and/or frequency	informations
Type	EUR	Part no.					
EX-HG12P/60-4S	4.886,00	17001	●	5.090,00	-	On request	No further accessories possible.  We would like to point out that a confirmation of receipt of the most important safety instructions and contract terms must be signed by you before acceptance of the order by us.  The Ex compressors according to ATEX are categorized and classified as follows:  <b>II 2G EEx cb IIC T3</b>  For further information please see our technical informations.
EX-HGX12P/60-4S	4.904,00	17009					
EX-HG12P/75-4	4.886,00	17002	●	5.090,00	-	On request	
EX-HGX12P/75-4	4.904,00	17010					
EX-HG12P/75-4S	4.915,00	17003	●	5.090,00	-	On request	
EX-HGX12P/75-4S	4.933,00	17011					
EX-HG12P/90-4	4.915,00	17004	●	5.090,00	-	On request	
EX-HGX12P/90-4	4.933,00	17012					
EX-HG12P/90-4S	4.979,00	17005	●	5.090,00	-	On request	
EX-HGX12P/90-4S	4.997,00	17013					
EX-HG12P/110-4	4.979,00	17006	●	5.090,00	-	On request	
EX-HGX12P/110-4	4.997,00	17014					
EX-HG12P/110-4S	5.046,00	17007	●	5.090,00	-	On request	
EX-HGX12P/110-4S	5.064,00	17015					
EX-HG22P/125-4	5.512,00	17016	●	5.090,00	-	On request	
EX-HGX22P/125-4	5.532,00	17022					
EX-HG22P/125-4S	5.672,00	17017	●	5.090,00	-	On request	
EX-HGX22P/125-4S	5.692,00	17023					
EX-HG22P/160-4	5.594,00	17018	●	5.090,00	-	On request	
EX-HGX22P/160-4	5.614,00	17024					
EX-HG22P/160-4S	5.685,00	17019	●	5.090,00	-	On request	
EX-HGX22P/160-4S	5.705,00	17025					
EX-HG22P/190-4	5.672,00	17020	●	5.090,00	-	On request	
EX-HGX22P/190-4	5.692,00	17026					
EX-HG22P/190-4S	5.769,00	17021	●	5.090,00	-	On request	
EX-HGX22P/190-4S	5.789,00	17027					

**scope of supply:**

Semi-hermetic reciprocating two cylinder compressor with drive motor for direct start  
 380-420 V Y -3- 50 Hz / 440-480 V Y -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor, Sight glass, Suction and discharge line valve,  
 Winding protection with PTC resistor sensors. Electronic triggering unit Bock MP10 to be fitted in switch cupboard (enclosed).  
 AC double barrier as energy limiting device in self secure circuit in order to prevent firing through sparks or thermic effects. For fitting into switch cupboard incl. socket (enclosed).With additional adapter possibility  
 for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil, The operation of this components is only allowed with a suitable protection class. Thermal protection thermostat (PTC) for each cylinder head,  
 Decompression valve, Inert gas charge, 4 anti-vibration pads enclosed.

(1) 230 V -1- 50/60 Hz, 80 W  
 explosion-proof, equipment class 2 as per directive 94/9/EG

HG Series ATEX Semi-hermetic Compressors			Surcharges EUR (● = standard)				
Oil charge EX-HG: Fuchs Reniso SP46 Oil charge EX-HGX: Fuchs Reniso Triton SE55			oil pump	Oilsump heater (1) -enclosed-	Capacity regulator (2)	motor in special voltage and/or frequency	informations
Type	EUR	Part no.					
EX-HG34P/215-4	5.863,00	17028	●	5.090,00	1.647,00	On request	No further accessories possible.  We would like to point out that a confirmation of receipt of the most important safety instructions and contract terms must be signed by you before acceptance of the order by us.  The Ex compressors according to ATEX are categorized and classified as follows:  <b>II 2G EEx cb IIC T3</b>  For further information please see our technical informations.
EX-HGX34P/215-4	5.890,00	17036					
EX-HG34P/215-4S	6.085,00	17029	●	5.090,00	1.647,00	On request	
EX-HGX34P/215-4S	6.112,00	17037					
EX-HG34P/255-4	5.924,00	17030	●	5.090,00	1.647,00	On request	
EX-HGX34P/255-4	5.951,00	17038					
EX-HG34P/255-4S	6.217,00	17031	●	5.090,00	1.647,00	On request	
EX-HGX34P/255-4S	6.244,00	17039					
EX-HG34P/315-4	6.426,00	17032	●	5.090,00	1.647,00	On request	
EX-HGX34P/315-4	6.453,00	17040					
EX-HG34P/315-4S	6.592,00	17033	●	5.090,00	1.647,00	On request	
EX-HGX34P/315-4S	6.619,00	17041					
EX-HG34P/380-4	6.841,00	17034	●	5.090,00	1.647,00	On request	
EX-HGX34P/380-4	6.868,00	17042					
EX-HG34P/380-4S	7.038,00	17035	●	5.090,00	1.647,00	On request	
EX-HGX34P/380-4S	7.065,00	17043					

**scope of supply:**

Semi-hermetic reciprocating four cylinder compressor with drive motor for direct start  
 380-420 V Y -3- 50 Hz  
 440-480 V Y -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor, sight glass, Suction and discharge line valve,  
 Winding protection with PTC resistor sensors. Electronic triggering unit Bock MP10 to be fitted in switch cupboard (enclosed).  
 AC double barrier as energy limiting device in self secure dircuit in order to prevent firing through sparks or thermic effects. For fitting into switch cupboard incl. socket (enclosed). With additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil (The operation of this components is only allowed with a suitable protection class). Thermal portection thermostat (PTC) for each cylinder head,  
 Decompression valve, Inert gas charge, 4 anti-vibration pads enclosed

- (1) 230 V -1- 50/60 Hz, 80 W explosion-proof, equipment class 2 as per directive 94/9/EG
- (2) 230 V -1- 40-60 Hz, IP65  
 1 capacity regulator = 50% residual power explosion-proof, equipment class 2 as per directive 94/9/EG

HG Series ATEX Semi-hermetic Compressors Oil charge EX-HG: Fuchs Reniso SP46 Oil charge EX-HGX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)				oil pump	Oilsump heater (1) -enclosed-	Capacity regulator (2)	motor in special voltage and/or frequency	informations
Type	EUR	Part no.									
EX-HG4/465-4	10.918,00	17048	●	3.083,00	1.647,00	On request	No further accessories possible.  We would like to point out that a confirmation of receipt of the most important safety instructions and contract terms must be signed by you before acceptance of the order by us.  The Ex compressors according to ATEX are categorized and classified as follows:  <b>II 2G EEx cb IIC T3</b>  For further information please see our technical informations.				
EX-HGX4/465-4	10.975,00	17058									
EX-HG4/465-4S	11.051,00	17049	●	3.083,00	1.647,00	On request					
EX-HGX4/465-4S	11.108,00	17059									
EX-HG4/555-4	11.105,00	17050	●	3.083,00	1.647,00	On request					
EX-HGX4/555-4	11.162,00	17060									
EX-HG4/555-4S	11.459,00	17051	●	3.083,00	1.647,00	On request					
EX-HGX4/555-4S	11.516,00	17061									
EX-HG4/650-4	11.729,00	17052	●	3.083,00	1.647,00	On request					
EX-HGX4/650-4	11.786,00	17062									
EX-HG4/650-4S	12.082,00	17053	●	3.083,00	1.647,00	On request					
EX-HGX4/650-4S	12.139,00	17063									
EX-HG5/725-4	13.959,00	17064	●	3.083,00	1.647,00	On request					
EX-HGX5/725-4	14.035,00	17070									
EX-HG5/725-4S	14.337,00	17065	●	3.083,00	1.647,00	On request					
EX-HGX5/725-4S	14.413,00	17071									
EX-HG5/830-4	13.978,00	17066	●	3.083,00	1.647,00	On request					
EX-HGX5/830-4	14.054,00	17072									
EX-HG5/830-4S	14.356,00	17067	●	3.083,00	1.647,00	On request					
EX-HGX5/830-4S	14.432,00	17073									
EX-HG5/945-4	14.873,00	17068	●	3.083,00	1.647,00	On request					
EX-HGX5/945-4	14.949,00	17074									
EX-HG5/945-4S	15.213,00	17069	●	3.083,00	1.647,00	On request					
EX-HGX5/945-4S	15.289,00	17075									

**scope of supply:**

Semi-hermetic four cylinder reciprocating compressor with drive motor for part winding start  
 380-420 V Y/YY -3- 50 Hz  
 440-480 V Y/YY -3- 60 Hz

Motor unit flanged onto compressor housing, sight glass, Suction and discharge line valve, Winding protection with PTC resistor sensors. Electronic triggering unit Bock MP10 to be fitted in switch cupboard (enclosed). AC double barrier as energy limiting device in self secure circuit in order to prevent firing through sparks or thermic effects. For fitting into switch cupboard incl. socket (enclosed). Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter), The operation of this components is only allowed with a suitable protection class. Thermal protection thermostat (posistor tracer) for each cylinder head. Oil pump cover with screwed connection for differential oil pressure switch ( $\Delta p$ -switch make Kriwan), The operation of this components is only allowed with a suitable protection class. Decompression valve, Inert gas charge, 4 anti-vibration pads enclosed.

- (1) 230 V -1- 50/60 Hz, 80 W at EX-HG(X)4, 140 W at EX-HG(X)5 explosion-proof, equipment class 2 as per directive 94/9/EG
- (2) 230 V -1- 40-60 Hz, IP65  
 1 capacity regulator = 50% residual power explosion-proof, equipment class 2 as per directive 94/9/EG

HG Series ATEX Semi-hermetic Compressors Oil charge EX-HG: Fuchs Reniso SP46 Oil charge EX-HGX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)				informations
			oil pump	Oilsump heater (1) -enclosed-	Capacity regulator (2)	motor in special voltage and/or frequency	
Type	EUR	Part no.					
EX-HG6/1080-4	16.294,00	17076	●	3.083,00	1.647,00	On request	No further accessories possible.  We would like to point out that a confirmation of receipt of the most important safety instructions and contract terms must be signed by you before acceptance of the order by us.  The Ex compressors according to ATEX are categorized and classified as follows: <b>II 2G EEx cb IIC T3</b> For further information please see our technical informations.
EX-HGX6/1080-4	16.370,00	17082					
EX-HG6/1080-4S	16.997,00	17077	●	3.083,00	1.647,00	On request	
EX-HGX6/1080-4S	17.073,00	17083					
EX-HG6/1240-4	16.567,00	17078	●	3.083,00	1.647,00	On request	
EX-HGX6/1240-4	16.643,00	17084					
EX-HG6/1240-4S	17.308,00	17079	●	3.083,00	1.647,00	On request	
EX-HGX6/1240-4S	17.384,00	17085					
EX-HG6/1410-4	17.844,00	17080	●	3.083,00	1.647,00	On request	
EX-HGX6/1410-4	17.920,00	17086					
EX-HG6/1410-4S	18.329,00	17081	●	3.083,00	1.647,00	On request	
EX-HGX6/1410-4S	18.405,00	17087					

**scope of supply:**

Semi-hermetic four cylinder reciprocating compressor with drive motor for part winding start  
 380-420 V Y/YY -3- 50 Hz  
 440-480 V Y/YY -3- 60 Hz

Motor unit flanged onto compressor housing, sight glass, Suction and discharge line valve, Winding protection with PTC resistor sensors. Electronic triggering unit Bock MP10 to be fitted in switch cupboard (enclosed). AC double barrier as energy limiting device in self secure circuit in order to prevent firing through sparks or thermic effects. For fitting into switch cupboard incl. socket (enclosed). Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter), The operation of this component is only allowed with a suitable protection class. Thermal protection thermostat (PTC) for each cylinder head. Oil pump cover with screwed connection for differential oil pressure switch ( $\Delta p$ -switch make Kriwan), The operation of this component is only allowed with a suitable protection class. Decompression valve, Inert gas charge, 4 anti-vibration pads enclosed.

- (1) 230 V -1- 50/60 Hz, 140 W explosion-proof, equipment class 2 as per directive 94/9/EG
- (2) 230 V -1- 40-60 Hz, IP65  
 1 capacity regulator = 50% residual power explosion-proof, equipment class 2 as per directive 94/9/EG

HG Series HC Semi-hermetic Compressors for hydrocarbons Oil charge: Fuchs Reniso SYNTH 68			Surcharges EUR (● = standard)						
Type	EUR	Part no.	oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator (2)	Start unloader by means of Bock ESS (3) -enclosed-	Cylinder cover prepared for capacity regulator	motor in special voltage and/or frequency
HG12P/60-4S HC	1.420,00	10893	●	66,30	203,00	-	-	-	On request
HG12P/60-4S HC	1.420,00	10893							
HG12P/75-4 HC	1.420,00	10890	●	66,30	203,00	-	-	-	On request
HG12P/75-4S HC	1.449,00	10894							
HG12P/90-4 HC	1.449,00	10891	●	66,30	203,00	-	-	-	On request
HG12P/90-4S HC	1.513,00	10895							
HG12P/110-4 HC	1.513,00	10892	●	66,30	203,00	-	-	-	On request
HG12P/110-4S HC	1.580,00	10896							
HG22P/125-4 HC	2.056,00	10131	●	66,30	137,00	-	672,00	-	On request
HG22P/125-4S HC	2.216,00	10135							
HG22P/160-4 HC	2.138,00	10132	●	66,30	137,00	-	672,00	-	On request
HG22P/160-4S HC	2.229,00	10136							
HG22P/190-4 HC	2.216,00	10134	●	66,30	137,00	-	672,00	-	On request
HG22P/190-4S HC	2.313,00	10137							
HG34P/215-4 HC	2.422,00	10123	●	66,30	137,00	371,50	672,00	56,60	On request
HG34P/215-4S HC	2.643,00	10127							
HG34P/255-4 HC	2.482,00	10124	●	66,30	137,00	371,50	672,00	56,60	On request
HG34P/255-4S HC	2.776,00	10128							
HG34P/315-4 HC	2.985,00	10125	●	66,30	137,00	371,50	672,00	56,60	On request
HG34P/315-4S HC	3.150,00	10129							
HG34P/380-4 HC	3.399,00	10126	●	66,30	137,00	371,50	672,00	56,60	On request
HG34P/380-4S HC	3.597,00	10130							

**scope of supply:**

HG12 + 22 = Semi-hermetic reciprocating two cylinder compressor with drive motor for direct start

220-240 V Δ / 380-420 V Y -3- 50 Hz  
265-290 V Δ / 440-480 V Y -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor

HG34 = Semi-hermetic reciprocating four cylinder compressor with drive motor for direct start

220-240 V Δ / 380-420 V Y -3- 50 Hz  
265-290 V Δ / 440-480 V Y -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor

sight glass, Suction and discharge line valve, Winding protection with PTC resistor sensors. Electronic triggering unit Bock MP10 to be fitted in switch cupboard (enclosed).

with additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil. Inert gas charge, 4 anti-vibration pads enclosed

(1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable

**Application of oil sump heater generally required.**

(2) 230 V -1- 50/60 Hz, IP65

1 capacity regulator = 50% residual power

(3) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet

**information:** We would like to point out that a confirmation of receipt of the most important safety instructions and contract terms must be signed by you before acceptance of the order by us.

HG Series HC Semi-hermetic Compressors for hydrocarbons Oil charge: Fuchs Reniso SYNTH 68			Surcharges EUR (● = standard)												
			oil pump	Oil sump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3)	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Differential oil pressure switch ( $\Delta p$ -switch make Kriwan) (6) -enclosed-	Oil service valve	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.													
HG4/465-4 HC	4.873,00	10145	●	77,60	137,00	343,00	508,00	1.027,00	448,00	48,00	182,00	342,00	151,50	On request	On request
HG4/465-4S HC	5.007,00	10148													
HG4/555-4 HC	5.061,00	10146	●	77,60	137,00	343,00	508,00	1.027,00	448,00	48,00	182,00	342,00	151,50	On request	On request
HG4/555-4S HC	5.415,00	10149						1.435,00							
HG4/650-4 HC	5.685,00	10147	●	77,60	137,00	343,00	508,00	1.027,00	448,00	48,00	182,00	342,00	151,50	On request	On request
HG4/650-4S HC	6.038,00	10150						1.435,00							
HG5/725-4 HC	7.456,00	10906	●	77,60	137,00	343,00	508,00	1.027,00	448,00	48,00	204,00	420,00	151,50	On request	On request
HG5/725-4S HC	7.833,00	10909						1.435,00							
HG5/830-4 HC	7.474,00	10907	●	77,60	137,00	343,00	508,00	1.027,00	448,00	48,00	204,00	420,00	151,50	On request	On request
HG5/830-4S HC	7.852,00	10910						1.435,00							
HG5/945-4 HC	8.370,00	10908	●	77,60	137,00	343,00	508,00	1.435,00	448,00	48,00	204,00	420,00	151,50	On request	On request
HG5/945-4S HC	8.709,00	10911													
HG6/1080-4 HC	9.178,00	10900	●	77,60	137,00	343,00	508,00	1.435,00	448,00	48,00	204,00	420,00	151,50	On request	On request
HG6/1080-4S HC	9.881,00	10903						1.804,00							
HG6/1240-4 HC	9.452,00	10901	●	77,60	137,00	343,00	508,00	1.804,00	448,00	48,00	204,00	420,00	151,50	On request	On request
HG6/1240-4S HC	10.192,00	10904						2.174,00							
HG6/1410-4 HC	10.729,00	10902	●	77,60	137,00	343,00	508,00	1.804,00	448,00	48,00	204,00	420,00	151,50	On request	On request
HG6/1410-4S HC	11.213,00	10905						2.174,00							

**scope of supply:**

Semi-hermetic four cylinder reciprocating compressor with drive motor for part winding start  
380-420 V Y/YY -3- 50 Hz

440-480 V Y/YY -3- 60 Hz

Motor unit flanged onto compressor housing

sight glass, Suction and discharge line valve, Winding protection with PTC resistor sensors. Electronic triggering unit Bock MP10 to be fitted in switch cupboard (enclosed).

Oil pump cover with screwed connection for differential oil pressure sensor ( $\Delta p$ -switch make Kriwan), Possibility for connection of oil level controller makes ESK, AC+R,

Carly or Traxoil (make Traxoil only possible with additional adapter), Prepared for capacity regulator (1 cylinder cover), Decompression valve, Inert gas charge,

4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 80 W at HG4, 140 W at HG5 + 6

**Application of oil sump heater generally required.**

- (2) per compressor 2 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
1 capacity regulator = 50% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (posistor tracer)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 220-240 V -1- 50/60 Hz, IP65,

**information:** We would like to point out that a confirmation of receipt of the most important safety instructions and contract terms must be signed by you before acceptance of the order by us.

HG Series HC Semi-hermetic Compressors for hydrocarbons Oil charge: Fuchs Reniso SYNTH 68			Surcharges EUR (● = standard)												
			oil pump	Oil sump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3), price for 1 piece	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Differential oil pressure switch (Δp-switch make Kriwan) (6) -enclosed-	Oil service valve	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.													
HG7/1620-4 HC	12.637,00	10912	●	77,60	137,00	343,00	534,00	2.174,00	448,00	48,00	306,00	630,00	181,00	On request	On request
HG7/1620-4S HC	13.165,00	10915													
HG7/1860-4 HC	13.165,00	10913	●	77,60	137,00	343,00	534,00	2.174,00	448,00	48,00	306,00	630,00	181,00	On request	On request
HG7/1860-4S HC	13.444,00	10916													
HG7/2110-4 HC	14.913,00	10914	●	77,60	137,00	343,00	534,00	2.174,00	448,00	48,00	306,00	630,00	181,00	On request	On request
HG7/2110-4S HC	16.097,00	10917						-							
HG8/2470-4 HC	16.442,00	10918	●	94,00	137,00	343,00	534,00	-	448,00	●	408,00	840,00	193,50	43,00	On request
HG8/2470-4S HC	16.915,00	10921													
HG8/2830-4 HC	18.118,00	10919	●	94,00	137,00	343,00	534,00	-	448,00	●	408,00	840,00	193,50	43,00	On request
HG8/2830-4S HC	18.591,00	10922													
HG8/3220-4 HC	20.215,00	10920	●	94,00	137,00	343,00	534,00	-	448,00	●	408,00	840,00	193,50	43,00	On request
HG8/3220-4S HC	20.635,00	10923													

**scope of supply:**

HG7 = Semi-hermetic six cylinder reciprocating compressor with drive motor for part winding start  
380-420 V Δ/YYY -3- 50 Hz  
440-480 V Δ/YYY -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor, two sight glasses, Prepared for capacity regulator (2 cylinder covers)

HG8 = Semi-hermetic eight cylinder reciprocating compressor with drive motor for part winding start  
380-420 V D/YYY -3- 50 Hz  
440-480 V Δ/YYY -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor, Three sight glasses, Prepared for capacity regulator (3 cylinder covers), Oil service valve.

Suction and discharge line valve, Winding protection with PTC resistor sensors. Electronic triggering unit Bock MP10 to be fitted in switch cupboard (enclosed). Oil pump cover with screwed connection for differential oil pressure sensor (Δp-switch make Kriwan), Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter), Decompression valve, Inert gas charge, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 140 W at HG7, 200 W at HG8  
**Application of oil sump heater generally required.**
- (2) HG7 3 x, HG8 4 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
HG7 = 1-2 capacity regulators = 66/33% residual power  
HG8 = 1-3 capacity regulators = 75/50/25% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (posistor tracer)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 220-240 V -1- 50/60 Hz, IP65,

**information:** We would like to point out that a confirmation of receipt of the most important safety instructions and contract terms must be signed by you before acceptance of the order by us.

HG Series CO <sub>2</sub> (subcritical) Semi-hermetic Compressors Oil charge Fuchs Reniso Triton C85E			Surcharges EUR (● = standard)														
Type	EUR	Part no.	oil pump	Oil sump heater (1)	Thermal protection thermostat (PTC)	Start unloader by means of Bock ESS (2) -enclosed-	Differential oil pressure switch (Δp-switch make Kriwan) (3) -enclosed-	Oil service valve	Additional fan (4) -enclosed-	Bock Compressor Management BCM2000 (5)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	continuously variable speed control by means of a Bock EFC, Electronic Frequency Control (6)	continuously variable speed control by means of a Bock EFC, Electronic Frequency Control (7)	Machine oil Fuchs Reniso C85E, as 1 liter refill unit -enclosed-	motor in special voltage and/or frequency
HGX12e/20-4S CO2	2204,00	10954	●	66,30	203,00	-	-	-	402,00	-	-	-	-	3354,00	3202,00	152,00	On request
HGX12e/30-4S CO2	2219,00	10955															
HGX12e/40-4S CO2	2242,00	10956															
HGX12e/50-4S CO2	2308,00	10957															
HGX12e/60-4S CO2	2323,00	10958															
HGX12e/75-4S CO2	2341,00	10959															
HGX22P/110-4 CO2	3347,00	10784	●	66,30	137,00	672,00	-	-	424,50	-	-	-	-	4062,00	3910,00	152,00	On request
HGX22P/125-4 CO2	3478,00	10743															
HGX22P/160-4 CO2	3738,00	10756															
HGX22P/190-4 CO2	3977,00	10757															
HGX34P/215-4 CO2	4383,00	10736	●	66,30	137,00	672,00	-	-	424,50	-	-	-	-	4062,00	3910,00	152,00	On request
HGX34P/255-4 CO2	4738,00	10758															
HGX4/310-4 CO2	6093,00	10738	●	77,60	137,00	1027,00	242,00	48,00	424,50	1037,00	182,00	342,00	151,50	-	-	152,00	On request
HGX4/385-4 CO2	6266,00	10739															
HGX4/465-4 CO2	6818,00	10740															
HGX4/555-4 CO2	7594,00	10741															

**scope of supply:**

HGX12 + 22 = Semi-hermetic reciprocating two cylinder compressor with drive motor for direct start

220-240 V Δ / 380-420 V Y -3- 50 Hz

265-290 V Δ / 440-480 V Y -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor. With additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil

HGX34 = Semi-hermetic reciprocating four cylinder compressor with drive motor for direct start

220-240 V Δ / 380-420 V Y -3- 50 Hz

265-290 V Δ / 440-480 V Y -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor. With additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil

HGX4 = Semi-hermetic four-cylinder reciprocating compressor with drive motor for part winding start

380-420 V Y/YY -3- 50 Hz

440-480 V Y/YY -3- 60 Hz

Motor unit flanged onto compressor housing. Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter),

Oil pump cover with screwed connection for differential oil pressure sensor (Δp-switch make Kriwan),

Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, sight glass, pressure relief valve for the intake and discharge side, Suction and discharge line valve, Inert gas charge, 4 anti-vibration pads enclosed

(1) HGX12+22+34 = 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable

HGX4 = 220-240 V -1- 50/60 Hz, 80 W

(2) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet

(3) 220-240 V -1- 50/60 Hz

(4) 230 V Δ / 400 V Y -3- 50 Hz, 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz, 190 W, IP54

(5) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

(6) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA

(7) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order)

HG Series CO <sub>2</sub> T (transcritical) Semi-hermetic Compressors			Surcharges EUR (● = standard)									
Oil charge: HGX2 + HGX34... ML / S = Fuchs Reniso C85E HGX34... SH = Fuchs Reniso C150E			oil pump	Oilump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Suction line valve soldered/welded connection	Discharge line valve soldered/welded connection	Suction line valve cutting ring connection	Discharge line valve cutting ring connection	Machine oil Fuchs Reniso C85E, as 1 liter refill unit -enclosed-	Machine oil Fuchs Reniso C150E, as 1 liter refill unit -enclosed-	motor in special voltage and/or frequency
Type	EUR	Part no.										
HGX2/70-4 CO2 T	6.793,00	10786	●	●	137,00	190,00	173,50	244,00	223,50	152,00	-	On request
HGX2/90-4 CO2 T	7.303,00	10750										
HGX34/110-4 ML CO2 T	7.462,00	10940	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX34/110-4 S CO2 T	7.629,00	10814								-	152,00	
HGX34/110-4 SH CO2 T	7.680,00	10947										
HGX34/130-4 ML CO2 T	7.920,00	10941	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX34/130-4 S CO2 T	8.238,00	10815								-	152,00	
HGX34/130-4 SH CO2 T	8.289,00	10948										
HGX34/150-4 ML CO2 T	7.971,00	10942	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX34/150-4 S CO2 T	8.289,00	10816								-	152,00	
HGX34/150-4 SH CO2 T	8.340,00	10949										
HGX34/170-4 ML CO2 T	8.170,00	10943	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX34/170-4 S CO2 T	8.424,00	10817								-	152,00	
HGX34/170-4 SH CO2 T	8.475,00	10950										
HGX34/190-4 ML CO2 T	8.476,00	10944	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX34/190-4 S CO2 T	8.680,00	10818								-	152,00	
HGX34/190-4 SH CO2 T	8.731,00	10951										
HGX34/210-4 ML CO2 T	9.240,00	10945	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX34/210-4 S CO2 T	9.953,00	10819								-	152,00	
HGX34/210-4 SH CO2 T	10.004,00	10952										
HGX34/230-4 ML CO2 T	9.444,00	10946	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX34/230-4 S CO2 T	9.989,00	10820								-	152,00	
HGX34/230-4 SH CO2 T	10.093,00	10953										

**scope of supply:**

HGX2 = Semi-hermetic reciprocating two cylinder compressor with drive motor for part winding start  
 380-420 V Y/YY -3- 50 Hz  
 440-480 V Y/YY -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor.

HGX34 = Semi-hermetic reciprocating four cylinder compressor with drive motor for part winding start  
 380-420 V Y/YY -3- 50 Hz  
 440-480 V Y/YY -3- 60 Hz  
 Single-section compressor housing with hermetically integrated electric motor.

Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, sight glass, pressure relief valve for the intake and discharge side, Inert gas charge, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 160 W
- (2) HGX34 = per compressor 2 x possible

HG Series CO <sub>2</sub> T (transcritical) Semi-hermetic Compressors			Surcharges EUR (● = standard)									
Oil charge: HGX46... ML / S = Fuchs Reniso C85E HGX46... SH = Fuchs Reniso C150E			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Suction line valve soldered/welded connection	Discharge line valve soldered/welded connection	Suction line valve cutting ring connection	Discharge line valve cutting ring connection	Machine oil Fuchs Reniso C85E, as 1 liter refill unit -enclosed-	Machine oil Fuchs Reniso C150E, as 1 liter refill unit -enclosed-	motor in special voltage and/or frequency
Type	EUR	Part no.										
HGX46/250-4 ML CO <sub>2</sub> T	10.427,00	10932	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX46/250-4 S CO <sub>2</sub> T	10.745,00	10796								-	152,00	
HGX46/250-4 SH CO <sub>2</sub> T	10.796,00	10936										
HGX46/280-4 ML CO <sub>2</sub> T	11.345,00	10933	●	●	137,00	143,00	126,50	244,00	223,50	152,00	-	On request
HGX46/280-4 S CO <sub>2</sub> T	11.663,00	10797								-	152,00	
HGX46/280-4 SH CO <sub>2</sub> T	11.714,00	10937										
HGX46/310-4 ML CO <sub>2</sub> T	11.957,00	10934	●	●	137,00	187,00	170,50	305,00	285,00	152,00	-	On request
HGX46/310-4 S CO <sub>2</sub> T	12.275,00	10798								-	152,00	
HGX46/310-4 SH CO <sub>2</sub> T	12.326,00	10938										
HGX46/345-4 ML CO <sub>2</sub> T	12.671,00	10935	●	●	137,00	187,00	170,50	305,00	285,00	152,00	-	On request
HGX46/345-4 S CO <sub>2</sub> T	12.989,00	10799								-	152,00	
HGX46/345-4 SH CO <sub>2</sub> T	13.040,00	10939										

**scope of supply:**

Semi-hermetic six cylinder reciprocating compressor with drive motor for part winding start  
 380-420 V Y/YY -3- 50 Hz  
 440-480 V Y/YY -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor.

Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, sight glass,  
 pressure relief valve for the intake and discharge side, Inert gas charge, 4 anti-vibration pads enclosed

(1) 220-240 V -1- 50/60 Hz, 160 W

(2) per compressor 3 x possible

HA Series			Surcharges EUR (● = standard)								
Semi-hermetic Compressors			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator (2)	Start unloader by means of Bock ESS (3) -enclosed-	Cylinder cover prepared for capacity regulator	Continuous speed control by means of Bock EFC, Electronic Frequency Control (4)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (5)	motor in special voltage and/or frequency
Type	EUR	Part no.									
HA12P/60-4	1.717,00	14556	●	66,30	203,00	-	-	-	2.789,00	2.637,00	On request
HAX12P/60-4	1.735,00	14560									
HA12P/75-4	1.731,00	14557	●	66,30	203,00	-	-	-	2.789,00	2.637,00	On request
HAX12P/75-4	1.749,00	14561									
HA12P/90-4	1.760,00	14558	●	66,30	203,00	-	-	-	2.789,00	2.637,00	On request
HAX12P/90-4	1.778,00	14562									
HA12P/110-4	1.825,00	14559	●	66,30	203,00	-	-	-	2.789,00	2.637,00	On request
HAX12P/110-4	1.843,00	14563									
HA22P/125-4	2.329,00	14442	●	66,30	137,00	-	672,00	-	3.354,00	3.202,00	On request
HAX22P/125-4	2.349,00	14445									
HA22P/160-4	2.415,00	14443	●	66,30	137,00	-	672,00	-	3.354,00	3.202,00	On request
HAX22P/160-4	2.435,00	14446									
HA22P/190-4	2.493,00	14444	●	66,30	137,00	-	672,00	-	3.354,00	3.202,00	On request
HAX22P/190-4	2.513,00	14447									
HA34P/215-4	2.878,00	14363	●	66,30	137,00	371,50	672,00	56,60	4.062,00	3.910,00	On request
HAX34P/215-4	2.905,00	14367									
HA34P/255-4	2.934,00	14364	●	66,30	137,00	371,50	672,00	56,60	4.062,00	3.910,00	On request
HAX34P/255-4	2.961,00	14368									
HA34P/315-4	3.567,00	14365	●	66,30	137,00	371,50	672,00	56,60	4.062,00	3.910,00	On request
HAX34P/315-4	3.594,00	14369									
HA34P/380-4	3.901,00	14366	●	66,30	137,00	371,50	672,00	56,60	4.062,00	3.910,00	On request
HAX34P/380-4	3.928,00	14370									

**scope of supply:**

HA(X)12 + 22 = Semi-hermetic reciprocating two cylinder compressor with drive motor for direct start  
 220-240 V Δ / 380-420 V Y -3- 50 Hz  
 265-290 V Δ / 440-480 V Y -3- 60 Hz

HA(X)34 = Semi-hermetic reciprocating four cylinder compressor with drive motor for direct start  
 220-240 V Δ / 380-420 V Y -3- 50 Hz  
 265-290 V Δ / 440-480 V Y -3- 60 Hz

Single-section compressor housing with hermetically integrated electric motor, Motor is cooled by an integrated ventilator (6) with air deflection hood, sight glass, Suction and discharge line valve, Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, with additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil, Inert gas charge, 4 anti-vibration pads enclosed

- (1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (2) 230 V -1- 50/60 Hz, IP65  
1 capacity regulator = 50% residual power
- (3) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet

- (4) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA
- (5) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order)
- (6) HA(X)12 = 230 V -1- 50/60 Hz, IP44, 40 W, 0,30 A  
 HA(X)22 + 34 = 230 V -1- 50/60 Hz, IP44, 72 W, 0,53 A

HA Series			Surcharges EUR (● = standard)													
Semi-hermetic Compressors			oil pump	Oil sump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3)	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (7) -enclosed-	Oil service valve	Bock Compressor Management BCM2000 (8)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.														
HA4/465-4	4.978,00	13767	●	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	On request
HAX4/465-4	5.035,00	13787														
HA4/555-4	5.328,00	13768	●	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	On request
HAX4/555-4	5.385,00	13788														
HA4/650-4	5.906,00	13769	●	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	On request
HAX4/650-4	5.963,00	13789														
HA5/725-4	7.709,00	13746	●	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
HAX5/725-4	7.785,00	13806														
HA5/830-4	7.750,00	13747	●	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
HAX5/830-4	7.826,00	13807														
HA5/945-4	8.769,00	13748	●	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
HAX5/945-4	8.845,00	13808														
HA6/1080-4	9.493,00	13660	●	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
HAX6/1080-4	9.569,00	13663														
HA6/1240-4	9.667,00	13661	●	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
HAX6/1240-4	9.743,00	13664														
HA6/1410-4	10.873,00	13662	●	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
HAX6/1410-4	10.949,00	13665														

**scope of supply:**

Semi-hermetic four cylinder reciprocating compressor with drive motor for part winding start  
 380-420 V Y/YY -3- 50 Hz  
 440-480 V Y/YY -3- 60 Hz

Motor unit flanged onto compressor housing, Motor is cooled by an integrated ventilator (9) with air deflection hood, Sight glass, Suction and discharge line valve, Winding protection with PTC resistor sensors and electronic triggering unit Bock MP10, Oil pump cover with screwed connection for differential oil pressure switch (Δp-switch make Kriwan), Possibility for connection of oil level controller makes ESK, AC+R, Carly or Traxoil (make Traxoil only possible with additional adapter), Prepared for capacity regulator (1 cylinder cover), Decompression valve, Inert gas charge, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 80 W at HA(X)4, 140 W at HA(X)5+6
- (2) per compressor 2 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
1 Capacity regulator = 50% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover
- (9) 230 V -1- 50/60 Hz, IP44, 140 W, 0,71 A

DHG Series			Surcharges EUR (● = standard)									
Semi-hermetic Compressors Duplex compressor			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator	Start unloader by means of Bock ESS (2) -enclosed-	Cylinder cover prepared for capacity regulator	Additional fan (3) -enclosed-	Continuous speed control by means of Bock EFC, Electronic Frequency Control (4)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (5)	motor in special voltage and/or frequency
Type	EUR	Part no.										
DHG12P/60-4S	2.941,00	14631	●	132,60	406,00	-	-	-	804,00	3.047,00	2.895,00	On request
DHGX12P/60-4S	2.977,00	14639										
DHG12P/75-4	2.941,00	14632	●	132,60	406,00	-	-	-	804,00	3.047,00	2.895,00	On request
DHGX12P/75-4	2.977,00	14640										
DHG12P/75-4S	2.998,00	14633	●	132,60	406,00	-	-	-	804,00	3.047,00	2.895,00	On request
DHGX12P/75-4S	3.034,00	14641										
DHG12P/90-4	2.998,00	14634	●	132,60	406,00	-	-	-	804,00	3.047,00	2.895,00	On request
DHGX12P/90-4	3.034,00	14642										
DHG12P/90-4S	3.126,00	14635	●	132,60	406,00	-	-	-	804,00	3.047,00	2.895,00	On request
DHGX12P/90-4S	3.162,00	14643										
DHG12P/110-4	3.126,00	14636	●	132,60	406,00	-	-	-	804,00	3.047,00	2.895,00	On request
DHGX12P/110-4	3.162,00	14644										
DHG12P/110-4S	3.263,00	14637	●	132,60	406,00	-	-	-	804,00	3.047,00	2.895,00	On request
DHGX12P/110-4S	3.299,00	14645										
DHG22e/125-4	4.195,00	14820	●	132,60	274,00	-	1.344,00	-	849,00	3.612,00	3.460,00	On request
DHGX22e/125-4	4.235,00	14823										
DHG22e/125-4S	4.514,00	14826	●	132,60	274,00	-	1.344,00	-	849,00	3.612,00	3.460,00	On request
DHGX22e/125-4S	4.554,00	14829										
DHG22e/160-4	4.357,00	14821	●	132,60	274,00	-	1.344,00	-	849,00	3.612,00	3.460,00	On request
DHGX22e/160-4	4.397,00	14824										
DHG22e/160-4S	4.541,00	14827	●	132,60	274,00	-	1.344,00	-	849,00	3.612,00	3.460,00	On request
DHGX22e/160-4S	4.581,00	14830										
DHG22e/190-4	4.514,00	14822	●	132,60	274,00	-	1.344,00	-	849,00	3.612,00	3.460,00	On request
DHGX22e/190-4	4.554,00	14825										
DHG22e/190-4S	4.709,00	14828	●	132,60	274,00	-	1.344,00	-	849,00	3.612,00	3.460,00	On request
DHGX22e/190-4S	4.749,00	14831										

**scope of supply:**

Two semi-hermetic motor compressors HG(X) P or HG(X) e (Extent of delivery see page 4) rigidly mounted next to each other on base frame. Ready-mounted with pipes on suction side with joint suction pipe connection. 4 rubber plates enclosed.

- (1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (2) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (3) 230 V Δ / 400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54

- (4) for duplex compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA (one compressor with EFC)
- (5) for duplex compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order) (one compressor with EFC)

DHG Series			Surcharges EUR (● = standard)										
Semi-hermetic Compressors Duplex compressor			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator (2), price for 1 piece	Start unloader by means of Bock ESS (3) -enclosed-	Oil pressure safety switch MP 55 (4) -enclosed-	Cylinder cover prepared for capacity regulator	Additional fan (5) -enclosed-	Continuous speed control by means of Bock EFC, Electronic Frequency Control (6)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (7)	motor in special voltage and/or frequency
Type	EUR	Part no.											
DHG34e/215-4	4.970,00	14379	●	132,60	274,00	371,50	1.344,00	1.254,00	113,20	849,00	4.320,00	4.168,00	On request
DHG34e/215-4	5.024,00	14387											
DHG34e/215-4S	5.415,00	14380	●	132,60	274,00	371,50	1.344,00	1.254,00	113,20	849,00	4.320,00	4.168,00	On request
DHG34e/215-4S	5.469,00	14388											
DHG34e/255-4	5.086,00	14381	●	132,60	274,00	371,50	1.344,00	1.254,00	113,20	849,00	4.320,00	4.168,00	On request
DHG34e/255-4	5.140,00	14389											
DHG34e/255-4S	5.684,00	14382	●	132,60	274,00	371,50	1.344,00	1.254,00	113,20	849,00	4.320,00	4.168,00	On request
DHG34e/255-4S	5.738,00	14390											
DHG34e/315-4	6.103,00	14383	●	132,60	274,00	371,50	1.344,00	1.254,00	113,20	849,00	4.320,00	4.168,00	On request
DHG34e/315-4	6.157,00	14391											
DHG34e/315-4S	6.435,00	14384	●	132,60	274,00	371,50	1.344,00	1.254,00	113,20	849,00	4.320,00	4.168,00	On request
DHG34e/315-4S	6.489,00	14392											
DHG34e/380-4	6.930,00	14385	●	132,60	274,00	371,50	1.344,00	1.254,00	113,20	849,00	4.320,00	4.168,00	On request
DHG34e/380-4	6.984,00	14393											
DHG34e/380-4S	7.330,00	14386	●	132,60	274,00	371,50	1.344,00	1.254,00	113,20	849,00	4.320,00	4.168,00	On request
DHG34e/380-4S	7.384,00	14394											

**scope of supply:**

Two semi-hermetic motor compressors HG(X) e (Extent of delivery see page 5) rigidly mounted next to each other on base frame. Ready-mounted with pipes on suction side with joint suction pipe connection. 4 rubber plates enclosed.

- (1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (2) 230 V -1- 50/60 Hz, IP65  
1-2 Capacity regulators = 75/50/25% residual power
- (3) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (4) 230 V -1- 50/60 Hz, IP20

- (5) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (6) for duplex compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA (one compressor with EFC)
- (7) for duplex compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order) (one compressor with EFC)

DHG Series			Surcharges EUR (● = standard)															
Semi-hermetic Compressors Duplex compressor			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3), price for 1 piece	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (7) -enclosed-	Oil service valve	Additional fan (8) -enclosed-	Bock Compressor Management BCM2000 (9)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.																
DHG4/465-4	10.161,00	13822	●	155,20	137,00	343,00	1.016,00	2.054,00	630,00	484,00	96,00	849,00	1.816,00	364,00	684,00	303,00	On request	On request
DHGX4/465-4	10.275,00	13837																
DHG4/465-4S	10.430,00	13827	●	155,20	137,00	343,00	1.016,00	2.054,00	630,00	484,00	96,00	849,00	1.816,00	364,00	684,00	303,00	On request	On request
DHGX4/465-4S	10.544,00	13842																
DHG4/555-4	10.542,00	13823	●	155,20	137,00	343,00	1.016,00	2.054,00	630,00	484,00	96,00	849,00	1.816,00	364,00	684,00	303,00	On request	On request
DHGX4/555-4	10.656,00	13838																
DHG4/555-4S	11.243,00	13828	●	155,20	137,00	343,00	1.016,00	2.870,00	630,00	484,00	96,00	849,00	1.816,00	364,00	684,00	303,00	On request	On request
DHGX4/555-4S	11.357,00	13843																
DHG4/650-4	11.788,00	13824	●	155,20	137,00	343,00	1.016,00	2.054,00	630,00	484,00	96,00	849,00	1.816,00	364,00	684,00	303,00	On request	On request
DHGX4/650-4	11.902,00	13839																
DHG4/650-4S	12.488,00	13829	●	155,20	137,00	343,00	1.016,00	2.870,00	630,00	484,00	96,00	849,00	1.816,00	364,00	684,00	303,00	On request	On request
DHGX4/650-4S	12.602,00	13844																
DHG5/725-4	15.037,00	13848	●	155,20	137,00	343,00	1.068,00	2.054,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHGX5/725-4	15.189,00	13857																
DHG5/725-4S	15.841,00	13851	●	155,20	137,00	343,00	1.068,00	2.870,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHGX5/725-4S	15.993,00	13860																
DHG5/830-4	15.083,00	13849	●	155,20	137,00	343,00	1.068,00	2.054,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHGX5/830-4	15.235,00	13858																
DHG5/830-4S	15.868,00	13852	●	155,20	137,00	343,00	1.068,00	2.870,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHGX5/830-4S	16.020,00	13861																
DHG5/945-4	17.123,00	13850	●	155,20	137,00	343,00	1.068,00	2.870,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHGX5/945-4	17.275,00	13859																
DHG5/945-4S	17.845,00	13853	●	155,20	137,00	343,00	1.068,00	2.870,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHGX5/945-4S	17.997,00	13862																

**scope of supply:**

Two semi-hermetic motor compressors HG(X) (Extent of delivery see page 6) rigidly mounted next to each other on base frame. Ready-mounted with pipes on suction side with joint suction pipe connection. 4 rubber plates enclosed.

- (1) 220-240 V -1- 50/60 Hz, 80 W at DHG(X)4, 140 W at DHG(X)5
- (2) per duplex-compressor 4 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
1-2 Capacity regulator = 75/50/25% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (9) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

DHG Series			Surcharges EUR (● = standard)															
Semi-hermetic Compressors Duplex compressor			oil pump	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3), price for 1 piece	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (7) -enclosed-	Oil service valve	Additional fan (8) -enclosed-	Bock Compressor Management BCM2000 (9)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.																
DHG6/1080-4	18.798,00	14233	●	155,20	137,00	343,00	1.068,00	2.870,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHG6/1080-4	18.950,00	14242																
DHG6/1080-4S	20.304,00	14236	●	155,20	137,00	343,00	1.068,00	3.608,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHG6/1080-4S	20.456,00	14245																
DHG6/1240-4	19.356,00	14234	●	155,20	137,00	343,00	1.068,00	3.608,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHG6/1240-4	19.508,00	14243																
DHG6/1240-4S	20.966,00	14237	●	155,20	137,00	343,00	1.068,00	4.348,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHG6/1240-4S	21.118,00	14246																
DHG6/1410-4	22.087,00	14235	●	155,20	137,00	343,00	1.068,00	3.608,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHG6/1410-4	22.239,00	14244																
DHG6/1410-4S	23.123,00	14238	●	155,20	137,00	343,00	1.068,00	4.348,00	630,00	484,00	96,00	849,00	1.816,00	408,00	840,00	303,00	On request	On request
DHG6/1410-4S	23.275,00	14247																
DHG7/1620-4	26.620,00	14280	●	155,20	137,00	343,00	1.068,00	4.348,00	630,00	484,00	96,00	849,00	2.074,00	612,00	1.260,00	362,00	On request	On request
DHG7/1620-4	26.792,00	14286																
DHG7/1620-4S	27.748,00	14283	●	155,20	137,00	343,00	1.068,00	4.348,00	630,00	484,00	96,00	849,00	2.074,00	612,00	1.260,00	362,00	On request	On request
DHG7/1620-4S	27.920,00	14289																
DHG7/1860-4	27.586,00	14281	●	155,20	137,00	343,00	1.068,00	4.348,00	630,00	484,00	96,00	849,00	2.074,00	612,00	1.260,00	362,00	On request	On request
DHG7/1860-4	27.758,00	14287																
DHG7/1860-4S	28.208,00	14284	●	155,20	137,00	343,00	1.068,00	4.348,00	630,00	484,00	96,00	849,00	2.074,00	612,00	1.260,00	362,00	On request	On request
DHG7/1860-4S	28.380,00	14290																
DHG7/2110-4	31.107,00	14282	●	155,20	137,00	343,00	1.068,00	4.348,00	630,00	484,00	96,00	849,00	2.074,00	612,00	1.260,00	362,00	On request	On request
DHG7/2110-4	31.279,00	14288																
DHG7/2110-4S	33.789,00	14285	●	155,20	137,00	343,00	1.068,00	-	630,00	484,00	96,00	849,00	2.074,00	612,00	1.260,00	362,00	On request	On request
DHG7/2110-4S	33.961,00	14291																

**scope of supply:**

Two semi-hermetic motor compressors HG(X) (Extent of delivery see page 7) rigidly mounted next to each other on base frame.  
Ready-mounted with pipes on suction side with joint suction pipe connection.  
4 rubber plates enclosed.

- (1) 220-240 V -1- 50/60 Hz, 140 W
- (2) DHG(X)6 4 x, DHG(X)7 6 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
DHG(X) 6 = 1-2 Capacity regulator = 75/50/25% residual power  
DHG(X) 7 = 2-4 Capacity regulator = 83/66/50/33/16% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (9) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

SHG Series			Surcharges EUR (● = standard)																	
Plusbox Outdoor condensing units air-cooled Oil charge Fuchs Reniso Triton SE55			semi-hermetic motor compressor (incl. oil pump)	Generously sized GEA condenser for all climate zones	Low noise fan 230 V AC	Liquid receiver	Weatherproofed powder coated steel sheets enclosure	Compressor located in acoustically lined enclosure	Main isolator (1)	Complete liquid- and suction pipework arrangements	Electric cabinet and electrical wiring of all components	fan speed controll	High-low pressure control	Oilsump heater (2)	Continuous speed control by means of Bock EFCe, Electronic Frequency Control incl. electric cabinet and electrical wiring of all components (3)	Capacity regulator (4)	Thermal protection thermostat (PTC)	Oil separator	Low noise fan 230 V EC	Oil pressure safety switch MP 55 (5)
Type	EUR	Part no.																		
SHGX34e/215-4PB	5.806,00	14868	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	734,00	1.082,00	627,00
SHGX34e/215-4P&P	7.426,00	14756	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHGX34e/215-4SPB	6.027,00	14869	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	734,00	1.082,00	627,00
SHGX34e/215-4SP&P	7.647,00	14757	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHGX34e/255-4PB	5.866,00	14870	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	734,00	1.082,00	627,00
SHGX34e/255-4P&P	7.486,00	14758	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHGX34e/255-4SPB	6.160,00	14871	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	801,00	1.082,00	627,00
SHGX34e/255-4SP&P	7.779,00	14759	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHGX34e/315-4PB	6.369,00	14872	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	734,00	1.082,00	627,00
SHGX34e/315-4P&P	7.989,00	14760	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHGX34e/315-4SPB	6.931,00	14873	●	●	●	●	●	●	●	507,00	802,00	184,00	345,00	66,30	4.634,00	371,50	137,00	801,00	1.082,00	627,00
SHGX34e/315-4SP&P	8.619,00	14761	●	●	●	●	●	●	●	●	●	●	●	●	3.832,00					
SHGX34e/380-4PB	7.180,00	14874	●	●	●	●	●	●	●	507,00	802,00	184,00	345,00	66,30	4.634,00	371,50	137,00	734,00	1.082,00	627,00
SHGX34e/380-4P&P	8.868,00	14762	●	●	●	●	●	●	●	●	●	●	●	●	3.832,00					
SHGX34e/380-4SPB	7.378,00	14875	●	●	●	●	●	●	●	507,00	802,00	184,00	345,00	66,30	4.634,00	371,50	137,00	801,00	1.082,00	627,00
SHGX34e/380-4SP&P	9.066,00	14763	●	●	●	●	●	●	●	●	●	●	●	●	3.832,00					

**scope of supply:**

PB / SPB (Basic):

Semi-hermetic motor compressor HGX e (Extent of delivery see page 5), generously sized GEA condenser for all climate zones, low noise fan, liquid receiver, weatherproofed powder coated steel sheets enclosure, compressor located in acoustically lined enclosure, main isolator.

P&P / SP&P (Plug and Play):

Semi-hermetic motor compressor HGX e (Extent of delivery see page 5), generously sized GEA condenser for all climate zones, low noise fan, liquid receiver, weatherproofed powder coated steel sheets enclosure, compressor located in acoustically lined enclosure, main isolator, complete liquid- and suction pipework arrangements, electric cabinet and electrical wiring of all components, fan speed controll, high-low pressure control, oilsump heater.

- (1) 400 V -3-
- (2) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (3) with pressure transducer control signal 4-20 mA
- (4) 230 V -1- 50/60 Hz, IP65  
1 capacity regulator = 50% residual power
- (5) 230 V -1- 50/60 Hz, IP20

SHG Series			Surcharges EUR (● = standard)																	
Plusbox Outdoor condensing units air-cooled Oil charge Fuchs Reniso SP46			semi-hermetic motor compressor (incl. oil pump)	Generously sized GEA condenser for all climate zones	Low noise fan 230 V AC	Liquid receiver	Weatherproofed powder coated steel sheets enclosure	Compressor located in acoustically lined enclosure	Main isolator (1)	Complete liquid- and suction pipework arrangements	Electric cabinet and electrical wiring of all components	fan speed controll	High-low pressure control	Oilsump heater (2)	Continuous speed control by means of Bock EFCe, Electronic Frequency Control incl. electric cabinet and electrical wiring of all components (3)	Capacity regulator (4)	Thermal protection thermostat (PTC)	Oil separator	Low noise fan 230 V EC	Oil pressure safety switch MP 55 (5)
Type	EUR	Part no.																		
SHG34e/215-4PB	5.779,00	14860	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	734,00	1.082,00	627,00
SHG34e/215-4P&P	7.399,00	14748	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHG34e/215-4SPB	6.000,00	14861	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	734,00	1.082,00	627,00
SHG34e/215-4SP&P	7.620,00	14749	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHG34e/255-4PB	5.839,00	14862	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	734,00	1.082,00	627,00
SHG34e/255-4P&P	7.459,00	14750	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHG34e/255-4SPB	6.133,00	14863	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	801,00	1.082,00	627,00
SHG34e/255-4SP&P	7.752,00	14751	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHG34e/315-4PB	6.342,00	14864	●	●	●	●	●	●	●	465,50	755,00	184,00	345,00	66,30	4.037,00	371,50	137,00	734,00	1.082,00	627,00
SHG34e/315-4P&P	7.962,00	14752	●	●	●	●	●	●	●	●	●	●	●	●	3.282,00					
SHG34e/315-4SPB	6.904,00	14865	●	●	●	●	●	●	●	507,00	802,00	184,00	345,00	66,30	4.634,00	371,50	137,00	801,00	1.082,00	627,00
SHG34e/315-4SP&P	8.592,00	14753	●	●	●	●	●	●	●	●	●	●	●	●	3.832,00					
SHG34e/380-4PB	7.153,00	14866	●	●	●	●	●	●	●	507,00	802,00	184,00	345,00	66,30	4.634,00	371,50	137,00	734,00	1.082,00	627,00
SHG34e/380-4P&P	8.841,00	14754	●	●	●	●	●	●	●	●	●	●	●	●	3.832,00					
SHG34e/380-4SPB	7.351,00	14867	●	●	●	●	●	●	●	507,00	802,00	184,00	345,00	66,30	4.634,00	371,50	137,00	801,00	1.082,00	627,00
SHG34e/380-4SP&P	9.039,00	14755	●	●	●	●	●	●	●	●	●	●	●	●	3.832,00					

**scope of supply:**

PB / SPB (Basic):

Semi-hermetic motor compressor HG e (Extent of delivery see page 5), generously sized GEA condenser for all climate zones, low noise fan, liquid receiver, weatherproofed powder coated steel sheets enclosure, compressor located in acoustically lined enclosure, main isolator.

P&P / SP&P (Plug and Play):

Semi-hermetic motor compressor HG e (Extent of delivery see page 5), generously sized GEA condenser for all climate zones, low noise fan, liquid receiver, weatherproofed powder coated steel sheets enclosure, compressor located in acoustically lined enclosure, main isolator, complete liquid- and suction pipework arrangements, electric cabinet and electrical wiring of all components, fan speed controll, high-low pressure control, oilsump heater.

- (1) 400 V -3-
- (2) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (3) with pressure transducer control signal 4-20 mA
- (4) 230 V -1- 50/60 Hz, IP65  
1 capacity regulator = 50% residual power
- (5) 230 V -1- 50/60 Hz, IP20

SHG Series condensing units air-cooled Oil charge SHG: Fuchs Reniso SP46 Oil charge SHGX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)																
			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14.5 l cont.) -enclosed-	weather-proof housing -enclosed-	Oil separator	speed control for the ventilator -enclosed-	ventilator three-phase (1)	Oilsump heater (2)	Thermal protection thermostat (PTC)	Capacity regulator	Start unloader by means of Bock ESS (3) -enclosed-	Cylinder cover prepared for capacity regulator	Additional fan (4) -enclosed-	Continuous speed control by means of Bock EFC, Electronic Frequency Control (5)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (6)	motor in special voltage and/or frequency	
Type	EUR	Part no.																	
SHG12P/60-4SL	2.572,00	14571	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	402,00	3.041,00	2.889,00	On request	
SHGX12P/60-4SL	2.590,00	14579																	
SHG12P/75-4L	2.572,00	14572	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	402,00	3.041,00	2.889,00	On request	
SHGX12P/75-4L	2.590,00	14580																	
SHG12P/75-4SL	2.600,00	14573	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	402,00	3.041,00	2.889,00	On request	
SHGX12P/75-4SL	2.618,00	14581																	
SHG12P/90-4L	2.712,00	14574	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	402,00	3.041,00	2.889,00	On request	
SHGX12P/90-4L	2.730,00	14582																	
SHG12P/90-4SL	2.776,00	14575	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	402,00	3.041,00	2.889,00	On request	
SHGX12P/90-4SL	2.794,00	14583																	
SHG12P/110-4L	2.776,00	14576	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	402,00	3.041,00	2.889,00	On request	
SHGX12P/110-4L	2.794,00	14584																	
SHG12P/110-4SL	2.978,00	14577	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	402,00	3.041,00	2.889,00	On request	
SHGX12P/110-4SL	2.996,00	14585																	
SHG22e/125-4L	3.368,00	14808	●	345,00	-	696,00	734,00	184,00	40,00	66,30	137,00	-	672,00	-	424,50	3.606,00	3.454,00	On request	
SHGX22e/125-4L	3.388,00	14814																	
SHG22e/125-4SL	3.659,00	14811	●	345,00	-	696,00	734,00	184,00	40,00	66,30	137,00	-	672,00	-	424,50	3.606,00	3.454,00	On request	
SHGX22e/125-4SL	3.679,00	14817																	
SHG22e/160-4L	3.581,00	14809	●	345,00	-	696,00	734,00	184,00	40,00	66,30	137,00	-	672,00	-	424,50	3.606,00	3.454,00	On request	
SHGX22e/160-4L	3.601,00	14815																	
SHG22e/160-4SL	3.672,00	14812	●	345,00	-	696,00	734,00	184,00	40,00	66,30	137,00	-	672,00	-	424,50	3.606,00	3.454,00	On request	
SHGX22e/160-4SL	3.692,00	14818																	
SHG22e/190-4L	3.951,00	14810	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	-	672,00	-	424,50	3.606,00	3.454,00	On request	
SHGX22e/190-4L	3.971,00	14816																	
SHG22e/190-4SL	4.049,00	14813	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	-	672,00	-	424,50	3.606,00	3.454,00	On request	
SHGX22e/190-4SL	4.069,00	14819																	

**scope of supply:**

semi-hermetic motor compressor HG(X) P or HG(X) e (Extent of delivery see page 4) installed with rubber anti-vibration pads on unit. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).

Air-cooled finned tube condensing with 1 fan:

- ventilator 230 V -1- 50/60 Hz, with bimetal winding protection, phase control for speed adjustment (regulator not included in scope of supplies)

with piping on discharge and liquid side. Inert gas charge.

4 rubber plates enclosed for installation of the condensing unit.

- (1) 230 V Δ /400 V Y -3- 50/60 Hz.
- (2) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (3) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (4) 230 V Δ /400 V Y -3- 50 Hz, 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54

- (5) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA, incl. noise-muting unit in the discharge line
- (6) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order) incl. noise-muting unit in the discharge line

SHG Series condensing units air-cooled			Surcharges EUR (● = standard)																	
Oil charge SHG: Fuchs Reniso SP46 Oil charge SHGX: Fuchs Reniso Triton SE55			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	weather-proof housing -enclosed-	Oil separator	speed controll for the ventilator	ventilator three-phase (1)	Oilsump heater (2)	Thermal protection thermostat (PTC)	Capacity regulator (3)	Start unloader by means of Bock ESS (4) -enclosed-	Oil pressure safety switch MP 55 (5)	Cylinder cover prepared for capacity regulator	Additional fan (6) -enclosed-	Continuous speed control by means of Bock EFC, Electronic Frequency Control (7)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (8)	motor in special voltage and/or frequency	
Type	EUR	Part no.																		
SHG34e/215-4L	4.233,00	14464	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.314,00	4.162,00	On request	
SHGX34e/215-4L	4.260,00	14472																		
SHG34e/215-4SL	4.751,00	14468	●	345,00	324,00	696,00	734,00	184,00	110,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.314,00	4.162,00	On request	
SHGX34e/215-4SL	4.778,00	14476																		
SHG34e/255-4L	4.290,00	14465	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.314,00	4.162,00	On request	
SHGX34e/255-4L	4.317,00	14473																		
SHG34e/255-4SL	4.923,00	14469	●	345,00	324,00	696,00	801,00	184,00	110,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.314,00	4.162,00	On request	
SHGX34e/255-4SL	4.950,00	14477																		
SHG34e/315-4L	4.830,00	14466	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.314,00	4.162,00	On request	
SHGX34e/315-4L	4.857,00	14474																		
SHG34e/315-4SL	5.749,00	14470	●	345,00	324,00	-	801,00	-	80,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.314,00	4.162,00	On request	
SHGX34e/315-4SL	5.776,00	14478																		
SHG34e/380-4L	5.999,00	14467	●	345,00	324,00	-	734,00	-	80,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.314,00	4.162,00	On request	
SHGX34e/380-4L	6.026,00	14475																		
SHG34e/380-4SL	6.436,00	14471	●	345,00	324,00	-	801,00	-	80,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.314,00	4.162,00	On request	
SHGX34e/380-4SL	6.463,00	14479																		

**scope of supply:**

semi-hermetic motor compressor HG(X) e (Extent of delivery see page 5)  
 installed with rubber anti-vibration pads on unit. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).

Air-cooled finned tube condensing with 1 or 2 fans:

- ventilator 230 V -1- 50/60 Hz, with bimetal winding protection, phase control for speed adjustment (regulator not included in scope of supplies)

with piping on discharge and liquid side. Inert gas charge.

4 rubber plates enclosed for installation of the condensing unit.

(1) 230 V Δ /400 V Y -3- 50/60 Hz.

(2) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable

(3) 230 V -1- 50/60 Hz, IP65  
 1 capacity regulator = 50% residual power

(4) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet

(5) 230 V -1- 50/60 Hz, IP20

(6) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54

(7) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA, incl. noise-muting unit in the discharge line

(8) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order), incl. noise-muting unit in the discharge line

SHG Series			Surcharges EUR (● = standard)																		
condensing units			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Instrument panel with gauges for high, low, oil pressure	Oil separator	ventilator three-phase (1)	Oilsump heater (2)	Thermal protection thermostat (PTC) (3) price for 1 piece	Capacity regulator (4)	Start unloader (5)	Start unloader by means of Bock ESS (6) -enclosed-	Oil pressure safety switch MP 54 (7)	Differential oil pressure switch, Δp-switch make Kriwan (8)	Oil service valve	Additional fan (9) -enclosed-	Bock Compressor Management BCM2000 (10)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	motor in special voltage and/or frequency
Type	EUR	Part no.																			
SHG4/465-4L	7.404,00	14027	●	345,00	324,00	786,00	1.178,00	80,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	On request
SHGX4/465-4L	7.461,00	14072																			
SHG4/465-4SL	8.835,00	14032	●	345,00	324,00	786,00	1.178,00	160,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	On request
SHGX4/465-4SL	8.892,00	14077																			
SHG4/555-4L	7.594,00	14028	●	345,00	324,00	786,00	1.178,00	80,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	On request
SHGX4/555-4L	7.651,00	14073																			
SHG4/555-4SL	10.578,00	14033	●	345,00	324,00	786,00	1.178,00	160,00	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	On request
SHGX4/555-4SL	10.635,00	14078																			
SHG4/650-4L	9.664,00	14029	●	345,00	324,00	786,00	1.178,00	160,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	On request
SHGX4/650-4L	9.721,00	14074																			
SHG4/650-4SL	11.202,00	14034	●	345,00	324,00	786,00	1.178,00	160,00	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	On request
SHGX4/650-4SL	11.259,00	14079																			
SHG5/725-4L	12.856,00	14876	●	345,00	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.027,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX5/725-4L	12.932,00	14882																			
SHG5/725-4SL	13.676,00	14877	●	345,00	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX5/725-4SL	13.752,00	14883																			
SHG5/830-4L	12.874,00	14878	●	345,00	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.027,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX5/830-4L	12.950,00	14884																			
SHG5/830-4SL	13.882,00	14879	●	345,00	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX5/830-4SL	13.958,00	14885																			
SHG5/945-4L	13.769,00	14880	●	345,00	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX5/945-4L	13.845,00	14886																			
SHG5/945-4SL	14.738,00	14881	●	345,00	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX5/945-4SL	14.814,00	14887																			

**scope of supply:**

semi-hermetic motor compressor HG(X) (Extent of delivery see page 6) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection.  
 Tank is provided (appropriate pressure appliance guideline).  
 Air-cooled finned tube condensing with 2 or 4 ventilators:  
 - ventilators 230 V -1- 50/60 Hz, with bimetal winding protection, phase control for speed adjustment (regulator not included in scope of supplies) with piping on discharge and liquid side. Inert gas charge.  
 4 rubber plates enclosed for installation of the condensing unit.

- (1) 230 V Δ /400 V Y -3- 50/60 Hz.
- (2) 220-240 V -1- 50/60 Hz, 80 W at SHG(X)4, 140 W at SHG(X)5 per compressor 2 x possible
- (3) 230 V -1- 50/60 Hz, IP65
- (4) 1 Capacity regulator = 50% residual power
- (5) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (6) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (7) 230 V -1- 50/60 Hz, IP20
- (8) 220-240 V -1- 50/60 Hz
- (9) 230 V Δ /400 V Y -3- 50 Hz, 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz, 190 W, IP54 including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover
- (10)

SHG Series			Surcharges EUR (● = standard)																		
condensing units air-cooled			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Instrument panel with gauges for high, low, oil pressure	Oil separator	ventilator three-phase (1)	Oilsump heater (2)	Thermal protection thermostat (PTC) (3) price for 1 piece	Capacity regulator (4)	Start unloader (5)	Start unloader by means of Bock ESS (6) -enclosed-	Oil pressure safety switch MP 54 (7)	Differential oil pressure switch, Δp-switch make Kriwan (8)	Oil service valve	Additional fan (9) -enclosed-	Bock Compressor Manage- ment BCM2000 (10)	Water-cooled cylinder covers	Sea water resistant water- cooled cylinder covers	motor in special voltage and/or frequency
Type	EUR	Part no.																			
SHG6/1080-4L	15.473,00	14888	●	-	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX6/1080-4L	15.549,00	14894																			
SHG6/1080-4SL	15.910,00	14889	●	-	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX6/1080-4SL	15.986,00	14895																			
SHG6/1240-4L	15.746,00	14890	●	-	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX6/1240-4L	15.822,00	14896																			
SHG6/1240-4SL	18.635,00	14891	●	-	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX6/1240-4SL	18.711,00	14897																			
SHG6/1410-4L	17.023,00	14892	●	-	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX6/1410-4L	17.099,00	14898																			
SHG6/1410-4SL	19.656,00	14893	●	-	324,00	786,00	2.178,00	440,00	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	On request
SHGX6/1410-4SL	19.732,00	14899																			

**scope of supply:**

semi-hermetic motor compressor HG(X) (Extent of delivery see page 7) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection.  
 Tank is provided (appropriate pressure appliance guideline).  
 Air-cooled finned tube condensing with 4 ventilators:  
 - Ventilators 230 V -1- 50/60 Hz, with bimetal winding protection, phase control for speed adjustment (regulator not included in scope of supplies) with piping on discharge and liquid side. Inert gas charge.  
 4 rubber plates enclosed for installation of the condensing unit.

- (1) 230 V Δ /400 V Y -3- 50/60 Hz, 140 W
- (2) 220-240 V -1- 50/60 Hz,
- (3) per compressor 2 x possible
- (4) 230 V -1- 50/60 Hz, IP65  
1 Capacity regulator = 50% residual power
- (5) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (6) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (7) 230 V -1- 50/60 Hz, IP20
- (8) 220-240 V -1- 50/60 Hz
- (9) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz, IP54
- (10) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

SHGZ Series two stage condensing units air-cooled			Surcharges EUR (● = standard)												
Oil charge SHGZ: Fuchs Reniso SP46			oil pump	Liquid supercooler, reinjection valve, solenoid valve (2), two sightglasses, filter dryer, direct built, piped and insulated onto the compressor.	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	High-low pressure control	Oil separator	ventilator three-phase (1)	Oilsump heater (3)	Thermal protection thermostat (PTC)	Oil pressure safety switch MP 54 (4)	Differential oil pressure switch (Δp-switch make Kriwan) (5)	Oil service valve	Bock Compressor Management BCM2000 (6)	motor in special voltage and/or frequency
Type	EUR	Part no.													
SHGZ7/1620-4L R22	27886,00	14624	●	●	324,00	345,00	2178,00	440,00	77,60	137,00	315,00	242,00	48,00	1037,00	On request
SHGZX7/1620-4L R404A/R507	27972,00	14627	●	●	324,00	345,00	2178,00	440,00	77,60	137,00	315,00	242,00	48,00	1037,00	On request
SHGZ7/1860-4L R22	28213,00	14625	●	●	324,00	345,00	2178,00	440,00	77,60	137,00	315,00	242,00	48,00	1037,00	On request
SHGZX7/1860-4L R404A/R507	28299,00	14628	●	●	324,00	345,00	2178,00	440,00	77,60	137,00	315,00	242,00	48,00	1037,00	On request
SHGZ7/2110-4L R22	29109,00	14626	●	●	324,00	345,00	2178,00	440,00	77,60	137,00	315,00	242,00	48,00	1037,00	On request
SHGZX7/2110-4L R404A/R507	29195,00	14629	●	●	324,00	345,00	2178,00	440,00	77,60	137,00	315,00	242,00	48,00	1037,00	On request

**scope of supply:**

semi-hermetic motor compressor HGZ(X) (Extent of delivery see page 11) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection.

Tank is provided (appropriate pressure appliance guideline).

Air-cooled finned tube condensing with 4 ventilators:

- Ventilators 230 V -1- 50/60 Hz, with bimetal winding protection, phase control for speed adjustment (regulator not included in scope of supplies)

with piping on discharge and liquid side. Inert gas charge.

4 rubber plates enclosed for installation of the condensing unit.

- (1) 230 V Δ /400 V Y -3- 50/60 Hz.
- (2) 230 V -1- 50/60 Hz
- (3) 220-240 V -1- 50/60 Hz, 140 W
- (4) 230 V -1- 50/60 Hz, IP20
- (5) 220-240 V -1- 50/60 Hz
- (6) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

SHA Series			Surcharges EUR (● = standard)														
condensing units air-cooled			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	weather-proof housing -enclosed-	Oil separator	speed control for the ventilator -enclosed-	ventilator three-phase (1)	Oilsump heater (2)	Thermal protection thermostat (PTC)	Capacity regulator (3)	Start unloader by means of Bock ESS (4) -enclosed-	Cylinder cover prepared for capacity regulator	Continuous speed control by means of Bock EFC, Electronic Frequency Control (5)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (6)	motor in special voltage and/or frequency
Type	EUR	Part no.															
SHA12P/60-4L	2.891,00	14586	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	3.041,00	2.889,00	On request
SHAX12P/60-4L	2.909,00	14590															
SHA12P/75-4L	2.932,00	14587	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	3.041,00	2.889,00	On request
SHAX12P/75-4L	2.950,00	14591															
SHA12P/90-4L	3.068,00	14588	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	3.041,00	2.889,00	On request
SHAX12P/90-4L	3.086,00	14592															
SHA12P/110-4L	3.133,00	14589	●	345,00	-	633,00	734,00	184,00	40,00	66,30	203,00	-	-	-	3.041,00	2.889,00	On request
SHAX12P/110-4L	3.151,00	14593															
SHA22P/125-4L	3.698,00	14526	●	345,00	-	696,00	734,00	184,00	40,00	66,30	137,00	-	672,00	-	3.606,00	3.454,00	On request
SHAX22P/125-4L	3.718,00	14529															
SHA22P/160-4L	3.912,00	14527	●	345,00	-	696,00	734,00	184,00	40,00	66,30	137,00	-	672,00	-	3.606,00	3.454,00	On request
SHAX22P/160-4L	3.932,00	14530															
SHA22P/190-4L	4.283,00	14528	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	-	672,00	-	3.606,00	3.454,00	On request
SHAX22P/190-4L	4.303,00	14531															
SHA34P/215-4L	4.757,00	14488	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	371,50	672,00	56,60	4.314,00	4.162,00	On request
SHAX34P/215-4L	4.784,00	14492															
SHA34P/255-4L	4.814,00	14489	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	371,50	672,00	56,60	4.314,00	4.162,00	On request
SHAX34P/255-4L	4.841,00	14493															
SHA34P/315-4L	5.445,00	14490	●	345,00	-	696,00	734,00	184,00	110,00	66,30	137,00	371,50	672,00	56,60	4.314,00	4.162,00	On request
SHAX34P/315-4L	5.472,00	14494															
SHA34P/380-4L	6.517,00	14491	●	345,00	324,00	-	734,00	-	80,00	66,30	137,00	371,50	672,00	56,60	4.314,00	4.162,00	On request
SHAX34P/380-4L	6.544,00	14495															

**scope of supply:**

semi-hermetic motor compressor HA(X) (Extent of delivery see page 22) installed on the unit with rubber anti-vibration pads. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).

Air-cooled finned tube condensing with 1 or 2 fan:

- ventilator 230 V -1- 50/60 Hz, with bimetal winding protection, phase control for speed adjustment (regulator not included in scope of supplies) with piping on discharge and liquid side. Inert gas charge.

4 rubber plates enclosed for installation of the condensing unit.

- (1) 230 V Δ /400 V Y -3- 50/60 Hz.
- (2) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (3) 230 V -1- 50/60 Hz, IP65  
1 capacity regulator = 50% residual power
- (4) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet

- (5) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA, incl. noise-muting unit in the discharge line
- (6) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order), incl. noise-muting unit in the discharge line

SHA Series			Surcharges EUR (● = standard)																		
condensing units air-cooled			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Instrument panel with gauges for high, low, oil pressure	Oil separator	ventilator three-phase (1)	Oilsump heater (2)	Thermal protection thermostat (PTC) (3) price for 1 piece	Capacity regulator (4)	Start unloader (5)	Start unloader by means of Bock ESS (6) -enclosed-	Oil pressure safety switch MP 54 (7)	Differential oil pressure switch, Δp-switch make Kriwan (8)	Oil service valve	Bock Compressor Manage- ment BCM2000 (9)	Water-cooled cylinder covers	Sea water resistant water- cooled cylinder covers	motor in special voltage and/or frequency	
Type	EUR	Part no.																			
SHA4/465-4L	7.664,00	14007	●	345,00	324,00	786,00	1.178,00	80,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	
SHAX4/465-4L	7.721,00	14052																			
SHA4/555-4L	8.012,00	14008	●	345,00	324,00	786,00	1.178,00	80,00	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	
SHAX4/555-4L	8.069,00	14053																			
SHA4/650-4L	10.004,00	14009	●	345,00	324,00	786,00	1.178,00	160,00	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	
SHAX4/650-4L	10.061,00	14054																			

**scope of supply:**

semi-hermetic motor compressor HA(X) (Extent of delivery see page 23) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).

Air-cooled finned tube condensing with 2 or 4 ventilators:

- ventilators 230 V -1- 50/60 Hz, with bimetal winding protection, phase control for speed adjustment (regulator not included in scope of supplies)

with piping on discharge and liquid side. Inert gas charge.

4 rubber plates enclosed for installation of the condensing unit.

(1) 230 V Δ /400 V Y -3- 50/60 Hz.

(2) 220-240 V -1- 50/60 Hz, 80 W

(3) per compressor 2 x possible

(4) 230 V -1- 50/60 Hz, IP65  
1 Capacity regulator = 50% residual power

(5) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)

(6) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet

(7) 230 V -1- 50/60 Hz, IP20

(8) 220-240 V -1- 50/60 Hz

(9) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

SHG Series compressor units with receiver Oil charge SHG: Fuchs Reniso SP46 Oil charge SHGX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)												
Type	EUR	Part no.	oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Oil separator	Oil sump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator	Start unloader by means of Bock ESS (2) -enclosed-	Cylinder cover prepared for capacity regulator	Additional fan (3) -enclosed-	Continuous speed control by means of Bock EFC, Electronic Frequency Control (4)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (5)	motor in special voltage and/or frequency
SHG12P/60-4SRU	1.860,00	14601	●	345,00	-	734,00	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
SHGX12P/60-4SRU	1.878,00	14609													
SHG12P/75-4RU	1.860,00	14602	●	345,00	-	734,00	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
SHGX12P/75-4RU	1.908,00	14612													
SHG12P/75-4SRU	1.890,00	14603	●	345,00	-	734,00	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
SHGX12P/75-4SRU	1.908,00	14611													
SHG12P/90-4RU	1.890,00	14604	●	345,00	-	734,00	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
SHGX12P/90-4RU	1.908,00	14612													
SHG12P/90-4SRU	1.953,00	14605	●	345,00	-	734,00	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
SHGX12P/90-4SRU	1.971,00	14613													
SHG12P/110-4RU	1.953,00	14606	●	345,00	-	734,00	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
SHGX12P/110-4RU	1.971,00	14614													
SHG12P/110-4SRU	2.022,00	14607	●	345,00	-	734,00	66,30	203,00	-	-	-	402,00	2.789,00	2.637,00	On request
SHGX12P/110-4SRU	2.040,00	14615													
SHG22e/125-4RU	2.558,00	14796	●	345,00	-	734,00	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
SHGX22e/125-4RU	2.578,00	14802													
SHG22e/125-4SRU	2.718,00	14799	●	345,00	-	734,00	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
SHGX22e/125-4SRU	2.738,00	14805													
SHG22e/160-4RU	2.639,00	14797	●	345,00	-	734,00	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
SHGX22e/160-4RU	2.659,00	14803													
SHG22e/160-4SRU	2.730,00	14800	●	345,00	-	734,00	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
SHGX22e/160-4SRU	2.750,00	14806													
SHG22e/190-4RU	2.718,00	14798	●	345,00	-	734,00	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
SHGX22e/190-4RU	2.738,00	14804													
SHG22e/190-4SRU	2.816,00	14801	●	345,00	-	734,00	66,30	137,00	-	672,00	-	424,50	3.354,00	3.202,00	On request
SHGX22e/190-4SRU	2.836,00	14807													

**scope of supply:**

semi-hermetic motor compressor HG(X) P or HG(X) e (Extent of delivery see page 4) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).  
4 rubber plates enclosed for installation of the compressor unit.

- (1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (2) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (3) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54

- (4) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA
- (5) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order)

SHG Series compressor units with receiver			Surcharges EUR (● = standard)													
Oil charge SHG: Fuchs Reniso SP46			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Oil separator	Oilsump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator	Start unloader by means of Bock ESS (2) -enclosed-	Oil pressure safety switch MP 55 (3) -enclosed-	Cylinder cover prepared for capacity regulator	Additional fan (4) -enclosed-	Continuous speed control by means of Bock EFC, Electronic Frequency Control (5)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (6)	motor in special voltage and/or frequency
Type	EUR	Part no.														
SHG34e/215-4RU	2.912,00	14448	●	345,00	-	734,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
SHGX34e/215-4RU	2.939,00	14456														
SHG34e/215-4SRU	3.438,00	14452	●	345,00	324,00	734,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
SHGX34e/215-4SRU	3.465,00	14460														
SHG34e/255-4RU	2.968,00	14449	●	345,00	-	734,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
SHGX34e/255-4RU	2.995,00	14457														
SHG34e/255-4SRU	3.587,00	14453	●	345,00	324,00	801,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
SHGX34e/255-4SRU	3.614,00	14461														
SHG34e/315-4RU	3.485,00	14450	●	345,00	-	734,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
SHGX34e/315-4RU	3.512,00	14458														
SHG34e/315-4SRU	3.960,00	14454	●	345,00	324,00	801,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
SHGX34e/315-4SRU	3.987,00	14462														
SHG34e/380-4RU	3.899,00	14451	●	345,00	-	734,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
SHGX34e/380-4RU	3.926,00	14459														
SHG34e/380-4SRU	4.407,00	14455	●	345,00	324,00	801,00	66,30	137,00	371,50	672,00	627,00	56,60	424,50	4.062,00	3.910,00	On request
SHGX34e/380-4SRU	4.434,00	14463														

**scope of supply:**

semi-hermetic motor compressor HG(X) e (Extent of delivery see page 5) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).

4 rubber plates enclosed for installation of the compressor unit.

- (1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (2) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (3) 230 V Δ / 400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (4) 230 V -1- 50/60 Hz, IP20

- (5) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA
- (6) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order)

SHG Series compressor units with receiver Oil charge SHG: Fuchs Reniso SP46 Oil charge SHGX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)																		
Type	EUR	Part no.	oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Instrument panel with gauges for high, low, oil pressure	Oil separator	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3)	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (7) -enclosed-	Oil service valve	Additional fan (8) -enclosed-	Bock Compressor Management BCM2000 (9)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	motor in special voltage and/or frequency
SHG4/465-4RU	5.572,00	14017	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request
SHGX4/465-4RU	5.629,00	14062																			
SHG4/465-4SRU	5.704,00	14022	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request
SHGX4/465-4SRU	5.761,00	14067																			
SHG4/555-4RU	5.762,00	14018	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request
SHGX4/555-4RU	5.819,00	14063																			
SHG4/555-4SRU	6.224,00	14023	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request
SHGX4/555-4SRU	6.281,00	14068																			
SHG4/650-4RU	6.503,00	14019	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request
SHGX4/650-4RU	6.560,00	14064																			
SHG4/650-4SRU	6.847,00	14024	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	424,50	908,00	182,00	342,00	151,50	On request
SHGX4/650-4SRU	6.904,00	14069																			
SHG5/725-4RU	8.316,00	14103	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.027,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX5/725-4RU	8.392,00	14113																			
SHG5/725-4SRU	8.865,00	14106	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX5/725-4SRU	8.941,00	14116																			
SHG5/830-4RU	8.334,00	14104	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.027,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX5/830-4RU	8.410,00	14114																			
SHG5/830-4SRU	8.885,00	14107	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX5/830-4SRU	8.961,00	14117																			
SHG5/945-4RU	9.229,00	14105	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX5/945-4RU	9.305,00	14115																			
SHG5/945-4SRU	9.741,00	14108	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX5/945-4SRU	9.817,00	14118																			

**scope of supply:**

semi-hermetic motor compressor HG(X) (Extent of delivery see page 6) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).  
4 rubber plates enclosed for installation of the compressor unit.

- (1) 220-240 V -1- 50/60 Hz, 80 W at SHG(X)4, 140 W at SHG(X)5
- (2) per compressor 2 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
1 Capacity regulator = 50% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (9) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

SHG Series compressor units with receiver Oil charge SHG: Fuchs Reniso SP46 Oil charge SHGX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)																		
Type	EUR	Part no.	oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Instrument panel with gauges for high, low, oil pressure	Oil separator	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3)	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (7) -enclosed-	Oil service valve	Additional fan (8) -enclosed-	Bock Compressor Management BCM2000 (9)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Intermediate adapter for discharge line valve	motor in special voltage and/or frequency
SHG6/1080-4RU	10.038,00	14123	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX6/1080-4RU	10.114,00	14133																			
SHG6/1080-4SRU	10.913,00	14126	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX6/1080-4SRU	10.989,00	14136																			
SHG6/1240-4RU	10.312,00	14124	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX6/1240-4RU	10.388,00	14134																			
SHG6/1240-4SRU	11.225,00	14127	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX6/1240-4SRU	11.301,00	14137																			
SHG6/1410-4RU	11.589,00	14125	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX6/1410-4RU	11.665,00	14135																			
SHG6/1410-4SRU	12.246,00	14128	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	2.174,00	315,00	242,00	48,00	424,50	908,00	204,00	420,00	151,50	On request
SHGX6/1410-4SRU	12.322,00	14138																			

**scope of supply:**

semi-hermetic motor compressor HG(X) (Extent of delivery see page 7) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).  
4 rubber plates enclosed for installation of the compressor unit.

- (1) 220-240 V -1- 50/60 Hz, 140 W
- (2) per compressor 2 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
1 Capacity regulator = 50% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (9) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

SHA Series compressor units with receiver Oil charge SHA: Fuchs Reniso SP46 Oil charge SHAX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)											
			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Oil separator	Oilsump heater (1)	Thermal protection thermostat (PTC)	Capacity regulator	Start unloader by means of Bock ESS (2) -enclosed-	Cylinder cover prepared for capacity regulator	Continuous speed control by means of Bock EFC, Electronic Frequency Control (3)	Continuous speed control by means of Bock EFC, Electronic Frequency Control (4)	motor in special voltage and/or frequency
Type	EUR	Part no.												
SHA12P/60-4RU	2.203,00	14616	●	345,00	-	734,00	66,30	203,00	-	-	-	2.789,00	2.637,00	On request
SHAX12P/60-4RU	2.221,00	14620												
SHA12P/75-4RU	2.216,00	14617	●	345,00	-	734,00	66,30	203,00	-	-	-	2.789,00	2.637,00	On request
SHAX12P/75-4RU	2.234,00	14621												
SHA12P/90-4RU	2.244,00	14618	●	345,00	-	734,00	66,30	203,00	-	-	-	2.789,00	2.637,00	On request
SHAX12P/90-4RU	2.262,00	14622												
SHA12P/110-4RU	2.309,00	14619	●	345,00	-	734,00	66,30	203,00	-	-	-	2.789,00	2.637,00	On request
SHAX12P/110-4RU	2.327,00	14623												
SHA22P/125-4RU	2.889,00	14520	●	345,00	-	734,00	66,30	137,00	-	672,00	-	3.354,00	3.202,00	On request
SHAX22P/125-4RU	2.909,00	14523												
SHA22P/160-4RU	2.970,00	14521	●	345,00	-	734,00	66,30	137,00	-	672,00	-	3.354,00	3.202,00	On request
SHAX22P/160-4RU	2.990,00	14524												
SHA22P/190-4RU	3.050,00	14522	●	345,00	-	734,00	66,30	137,00	-	672,00	-	3.354,00	3.202,00	On request
SHAX22P/190-4RU	3.070,00	14525												
SHA34P/215-4RU	3.437,00	14480	●	345,00	-	734,00	66,30	137,00	371,50	672,00	56,60	4.062,00	3.910,00	On request
SHAX34P/215-4RU	3.464,00	14484												
SHA34P/255-4RU	3.492,00	14481	●	345,00	-	734,00	66,30	137,00	371,50	672,00	56,60	4.062,00	3.910,00	On request
SHAX34P/255-4RU	3.519,00	14485												
SHA34P/315-4RU	4.126,00	14482	●	345,00	-	734,00	66,30	137,00	371,50	672,00	56,60	4.062,00	3.910,00	On request
SHAX34P/315-4RU	4.153,00	14486												
SHA34P/380-4RU	4.456,00	14483	●	345,00	-	734,00	66,30	137,00	371,50	672,00	56,60	4.062,00	3.910,00	On request
SHAX34P/380-4RU	4.483,00	14487												

**scope of supply:**

semi-hermetic motor compressor HA(X) P (Extent of delivery see page 22) installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).  
4 rubber plates enclosed for installation of the compressor unit.

- (1) 110-240 V -1- 50/60 Hz, 50-120 W, PTC heater, self adjustable
- (2) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet

- (3) for single compressors, compactly built onto compressor and connected ready-to-operate, with pressure transducer control signal 4-20 mA
- (4) for single compressors, compactly built onto compressor and connected ready-to-operate, without pressure transducer external control signal 4-20 mA or 0-10 V (please mention for every order)

SHA Series compressor units with receiver Oil charge SHA: Fuchs Reniso SP46 Oil charge SHAX: Fuchs Reniso Triton SE55			Surcharges EUR (● = standard)																	
			oil pump	High-low pressure control	Safety valve for receiver (avail. as from 14,5 l cont.) -enclosed-	Instrument panel with gauges for high, low, oil pressure	Oil separator	Oilsump heater (1)	Thermal protection thermostat (PTC) (2) price for 1 piece	Capacity regulator (3)	Start unloader (4)	Start unloader by means of Bock ESS (5) -enclosed-	Oil pressure safety switch MP 54 (6) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (7) -enclosed-	Oil service valve	Bock Compressor Management BCM2000 (8)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Connection piece suction and discharge valve in welding design	motor in special voltage and/or frequency
Type	EUR	Part no.																		
SHA4/465-4RU	5.833,00	14002	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.027,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	On request
SHAX4/465-4RU	5.890,00	14047																		
SHA4/555-4RU	6.183,00	14003	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	On request
SHAX4/555-4RU	6.240,00	14048																		
SHA4/650-4RU	6.879,00	14004	●	345,00	324,00	786,00	1.178,00	77,60	137,00	343,00	508,00	1.435,00	315,00	242,00	48,00	908,00	182,00	342,00	On request	On request
SHAX4/650-4RU	6.936,00	14049																		
SHA5/725-4RU	8.673,00	14100	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
SHAX5/725-4RU	8.749,00	14110																		
SHA5/830-4RU	8.716,00	14101	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
SHAX5/830-4RU	8.792,00	14111																		
SHA5/945-4RU	9.732,00	14102	●	345,00	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.435,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
SHAX5/945-4RU	9.808,00	14112																		
SHA6/1080-4RU	10.508,00	14120	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
SHAX6/1080-4RU	10.584,00	14130																		
SHA6/1240-4RU	10.681,00	14121	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
SHAX6/1240-4RU	10.757,00	14131																		
SHA6/1410-4RU	11.886,00	14122	●	-	324,00	786,00	2.178,00	77,60	137,00	343,00	534,00	1.804,00	315,00	242,00	48,00	908,00	204,00	420,00	On request	On request
SHAX6/1410-4RU	11.962,00	14132																		

**scope of supply:**

semi-hermetic motor compressor HA(X) (Extent of delivery see page 23)  
 installed with rubber anti-vibration pads on liquid receiver. The liquid receivers with sight glass and Rotalock shut-off valve with brazing connection. Tank is provided (appropriate pressure appliance guideline).  
 4 rubber plates enclosed for installation of the compressor unit.

- (1) 220-240 V -1- 50/60 Hz, 80 W at HA(X)4, 140 W at HA(X)5+6
- (2) per compressor 2 x possible
- (3) 230 V -1- 50/60 Hz, IP65  
1 Capacity regulator = 50% residual power
- (4) 230 V -1- 50/60 Hz, IP65, without check valve, including thermal protection thermostat (PTC)
- (5) Electronic Soft Start, 400 V -3- 50/60 Hz, IP20, (connection clamps IP00) for installation in switch cabinet
- (6) 230 V -1- 50/60 Hz, IP20
- (7) 220-240 V -1- 50/60 Hz
- (8) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover
- (9) 230 V -1- 50/60 Hz, IP44, 140 W, 0,71 A

AM Series			Surcharges EUR (● = standard)									
Open type motor compressors												
Oil charge AM: Fuchs Reniso SP46												
Oil charge AMX: Fuchs Reniso Triton SE55												
Type	EUR	Part no.	oil pump	Oilsump heater (1)	Thermal protection thermostat (bimetal tracer)	Capacity regulator	Start unloader (2)	Oil pressure safety switch MP 54 (3) -enclosed-	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Time delay relay for start unloader	motor in special voltage and/or frequency
AM2/58-4	2.572,00	11025	●	77,60	80,20	-	-	-	-	-	-	110,00
AMX2/58-4	2.588,00	12178										
AM2/58-4S	2.572,00	11030	●	77,60	80,20	-	-	-	-	-	-	110,00
AMX2/58-4S	2.588,00	12179										
AM2/73-4	2.598,00	11035	●	77,60	80,20	-	-	-	-	-	-	110,00
AMX2/73-4	2.614,00	12180										
AM2/73-4S	2.662,00	11040	●	77,60	80,20	-	-	-	-	-	-	110,00
AMX2/73-4S	2.678,00	12181										
AM2/95-4	2.662,00	11045	●	77,60	80,20	-	-	-	-	-	-	110,00
AMX2/95-4	2.678,00	12182										
AM2/95-4S	2.949,00	11050	●	77,60	80,20	-	-	-	-	-	-	110,00
AMX2/95-4S	2.965,00	12183										
AM2/121-4	2.725,00	11055	●	77,60	80,20	-	-	-	-	-	-	110,00
AMX2/121-4	2.741,00	12184										
AM2/121-4S	3.261,00	11060	●	77,60	80,20	-	-	-	-	-	-	110,00
AMX2/121-4S	3.277,00	12185										
AM3/153-4	3.735,00	11065	●	77,60	80,20	-	676,00	315,00	87,30	167,00	192,00	206,00
AMX3/153-4	3.762,00	12186										
AM3/153-4S	3.735,00	11070	●	77,60	80,20	-	676,00	315,00	87,30	167,00	192,00	206,00
AMX3/153-4S	3.762,00	12187										
AM3/185-4	3.852,00	11075	●	77,60	80,20	-	676,00	315,00	87,30	167,00	192,00	206,00
AMX3/185-4	3.879,00	12188										
AM3/185-4S	4.209,00	11080	●	77,60	80,20	-	676,00	315,00	87,30	167,00	192,00	206,00
AMX3/185-4S	4.236,00	12189										
AM3/233-4	4.072,00	11085	●	77,60	80,20	-	676,00	315,00	87,30	167,00	192,00	206,00
AMX3/233-4	4.099,00	12190										
AM3/233-4S	4.366,00	11090	●	77,60	80,20	-	676,00	315,00	87,30	167,00	192,00	206,00
AMX3/233-4S	4.393,00	12191										

**scope of supply:**

Open type motorcompressor with flange-mounted 3-phase motor  
 220-240 V Δ / 380-420 V Y -3- 50 Hz  
 265-290 V Δ / 440-480 V Y -3- 60 Hz

Motor protection (end-winding thermostats), Sight glass, Suction and discharge shut-off valve, Inert gas filling, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 40 W at AM(X)2, 60 W at AM(X)3
- (2) 230 V -1- 50/60 Hz, IP65, without check valve, including Thermal protection thermostat (bimetal tracer)
- (3) 230 V -1- 50/60 Hz, IP20

AM Series			Surcharges EUR (● = standard)									
Open type motor compressors			oil pump	Oilsump heater (1)	Thermal protection thermostat (bimetal tracer)	Capacity regulator (2)	Start unloader (3)	Oil pressure safety switch MP 54 (4) -enclosed-	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Time delay relay for start unloader	motor in special voltage and/or frequency
Type	EUR	Part no.										
AM4/306-4	6.232,00	11095	●	●	80,20	398,00	530,00	315,00	188,00	343,00	192,00	206,00
AMX4/306-4	6.278,00	12192										
AM4/306-4S	6.786,00	11100	●	●	80,20	398,00	530,00	315,00	188,00	343,00	192,00	206,00
AMX4/306-4S	6.832,00	12193										
AM4/370-4	7.044,00	11105	●	●	80,20	398,00	530,00	315,00	188,00	343,00	192,00	206,00
AMX4/370-4	7.090,00	12194										
AM4/370-4S	7.414,00	11110	●	●	80,20	398,00	530,00	315,00	188,00	343,00	192,00	206,00
AMX4/370-4S	7.460,00	12195										
AM4/466-4	7.712,00	11115	●	●	80,20	398,00	530,00	315,00	188,00	343,00	192,00	206,00
AMX4/466-4	7.758,00	12196										
AM4/466-4S	7.791,00	11120	●	●	80,20	398,00	530,00	315,00	188,00	343,00	192,00	206,00
AMX4/466-4S	7.837,00	12197										
AM5/601-4	9.957,00	11125	●	●	80,20	415,50	530,00	315,00	188,00	343,00	192,00	206,00
AMX5/601-4	10.023,00	12198										
AM5/601-4S	10.421,00	11130	●	●	80,20	415,50	530,00	315,00	188,00	343,00	192,00	206,00
AMX5/601-4S	10.487,00	12199										
AM5/724-4	10.496,00	11135	●	●	80,20	415,50	530,00	315,00	188,00	343,00	192,00	206,00
AMX5/724-4	10.562,00	12200										
AM5/724-4S	10.859,00	11140	●	●	80,20	415,50	530,00	315,00	188,00	343,00	192,00	206,00
AMX5/724-4S	10.925,00	12201										
AM5/847-4	10.876,00	11145	●	●	80,20	415,50	530,00	315,00	188,00	343,00	192,00	206,00
AMX5/847-4	10.942,00	12202										
AM5/847-4S	11.139,00	11150	●	●	80,20	415,50	530,00	315,00	188,00	343,00	192,00	206,00
AMX5/847-4S	11.205,00	12203										

**scope of supply:**

open type motorcompressor with flange-mounted 3-phase motor  
 380-420 V Y/YY -3- 50 Hz  
 440-480 V Y/YY -3- 60 Hz

Motor protection (end-winding thermostats), sight glass, Suction and discharge shut-off valve, Oilsump heater, Decompression valve, Inert gas filling, 4 anti-vibration pads enclosed

- (1) 220-240 V -1- 50/60 Hz, 80 W
- (2) 230 V -1- 50/60 Hz, IP65  
1 Capacity regulator = 50% residual power
- (3) 230 V -1- 50/60 Hz, IP65, without check valve, including Thermal protection thermostat (bimetal tracer)
- (4) 230 V -1- 50/60 Hz, IP20

F Series			Surcharges EUR (● = standard)													
Open type compressors																
Oil charge F: Fuchs Reniso SP46																
Oil charge FX: Fuchs Reniso Triton SE55																
Type	EUR	Part no.	oil pump	Oil sump heater (1)	Compressor flywheel -enclosed-	Shaft coupling for direct drive (2) -enclosed-	Capacity regulator (3), price for 1 piece	Start unloader (4)	Thermal protection thermostat (bimetal tracer)	Oil pressure safety switch MP-54 (5) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (6) -enclosed-	Oil service valve	two additional sight glasses (both sided)	Elevated base plate (7)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers
F2	1.343,00	12014	●	77,60	243,00	1.224,00	-	-	80,20	-	-	-	-	-	-	-
FX2	1.359,00	12084														
F3	2.233,00	12015	●	77,60	296,00	1.224,00	-	676,00	80,20	315,00	-	-	-	-	87,30	167,00
FX3	2.260,00	12085														
F4	3.464,00	12016	●	77,60	341,00	1.462,00	398,00	530,00	80,20	315,00	-	-	-	-	188,00	343,00
FX4	3.510,00	12086														
F5	5.625,00	12017	●	77,60	425,50	1.462,00	415,50	530,00	80,20	315,00	-	-	-	-	188,00	343,00
FX5	5.691,00	12087														
F14/1166	7.854,00	11695	●	77,60	558,00	2.416,00	432,50	521,00	80,20	315,00	242,00	48,00	217,50	378,50	204,00	420,00
FX14/1166	7.920,00	11697														
F14/1366	8.126,00	11700	●	77,60	558,00	2.416,00	432,50	521,00	80,20	315,00	242,00	48,00	217,50	378,50	204,00	420,00
FX14/1366	8.192,00	11702														
F16/1751	8.754,00	11705	●	77,60	575,00	2.416,00	432,50	521,00	80,20	315,00	242,00	48,00	217,50	378,50	306,00	630,00
FX16/1751	8.837,00	11707														
F16/2051	10.206,00	11710	●	77,60	575,00	2.416,00	432,50	521,00	80,20	315,00	242,00	48,00	217,50	378,50	306,00	630,00
FX16/2051	10.289,00	11712														

**scope of supply:**

Open type compressors with suction and discharge line valves, sight glass, Inert gas charge, Seat front bearing flange

F(X)2+3 = two cylinder, cylinder arrangement in row

F(X)4+5 = four cylinder, cylinder arrangement in V. Decompression valve.

F(X)14 = four cylinder, cylinder arrangement in V. Decompression valve,

Oil pump with screwed connection for differential oil pressure switch

(Δp-switch make Kriwan), with additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil,

Shaft seal with piece of tube for controlled oil collection.

F(X)16 = six cylinder, cylinder arrangement in W. Decompression valve,

Oil pump with screwed connection for differential oil pressure switch

(Δp-switch make Kriwan), with additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil,

Shaft seal with piece of tube for controlled oil collection.

(1) 220-240 V -1- 50/60 Hz, 40 W at F(X)2, 60 W at F(X)3, 80 W at F(X)4+5, 140 W at F(X)14+16,

(2) Please state motor Ø and feather key groove dimensions when ordering shafts

(3) 230 V -1- 50/60 Hz, IP65

F(X)4-14 = 1 Capacity regulator = 50% residual power

F(X)16 = 1-2 Capacity regulator = 66/33% residual power

(4) 230 V -1- 50/60 Hz, without check valve, including Thermal protection thermostat (bimetal tracer)

(5) 230 V -1- 50/60 Hz, IP20

(6) 220-240 V -1- 50/60 Hz

(7) additional 2,5 Ltr. Oil charge and 8 kg more weight

F Series			Surcharges EUR (● = standard)												
<b>Open type compressors</b> Oil charge F: Fuchs Reniso SP46 Oil charge FX: Fuchs Reniso Triton SE55			oil pump	Oilsump heater (1)	Compressor flywheel -enclosed-	Shaft coupling for direct drive (2) -enclosed-	Capacity regulator (4), price for 1 piece	Thermal protection thermostat -enclosed- price for 4 piece	Oil pressure safety switch MP 54 (5) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (6) -enclosed-	Additional fan (7) -enclosed-	Oil service valve	oil temperature control	Electronic triggering unit Bock MP10 to be fitted in switch cupboard -enclosed-	Bock Compressor Management BCM2000 (8)
			Type	EUR	Part no.										
F18/2735	16.231,00	11850	●	94,00	648,00	2.598,00	571,00	548,00	315,00	242,00	424,50	48,00	108,00	122,50	1.166,00
FX18/2735	16.357,00	11852													
F18/3235	17.922,00	11851	●	94,00	648,00	2.598,00	571,00	548,00	315,00	242,00	424,50	48,00	108,00	122,50	1.166,00
FX18/3235	18.048,00	11853													

**scope of supply:**

Open type compressors with suction and discharge line valves. eight cylinder, cylinder arrangement in W. Decompression valve, Oil pump with screwed connection for differential oil pressure switch (Δp-switch make Kriwan), with additional adapter possibility for connection of oil level controllers makes ESK, AC+R, Carly or Traxoil, Shaft seal with piece of tube for controlled oil collection, three sight glasses, Seat front bearing flange, inert gas charge

- (1) 220-240 V -1- 50/60 Hz, 200 W
- (2) Please state motor Ø and feather key groove dimensions when ordering shafts
- (3) for B5/B35 IEC motors, flange diameter Ø 450 and Ø 550
- (4) 230 V -1- 50/60 Hz, IP65  
1-3 Capacity regulator = 75/50/25% residual power
- (5) 230 V -1- 50/60 Hz, IP20
- (6) 220-240 V -1- 50/60 Hz
- (7) 230 V Δ /400 V Y -3- 50 Hz. 120 W, 230-265 V Δ / 400-460 V Y -3- 60 Hz. 190 W, IP54
- (8) including oil pressure control (Δp-switch make Kriwan), oil temperature control, thermal protection thermostat (PTC) per cylinder cover

F Series NH <sub>3</sub> Open type compressors Oil charge F NH <sub>3</sub> : Fuchs Reniso KC 68			Surcharges EUR (● = standard)											
			oil pump	Oilsump heater (1)	Compressor flywheel -enclosed-	Shaft coupling for direct drive (2) -enclosed-	Capacity regulator (3), price for 1 piece	Start unloader (4)	Thermal protection thermostat (bimetal tracer)	Oil pressure safety switch MP-55A für NH <sub>3</sub> (5) -enclosed-	Oil service valve	two additional sight glasses (both sided)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers
Type	EUR	Part no.												
F2 NH <sub>3</sub>	2.053,00	11724	●	77,60	243,00	1.224,00	-	-	80,20	-	-	-	-	-
F3 NH <sub>3</sub>	3.043,00	11725	●	77,60	296,00	1.224,00	-	-	80,20	751,00	-	-	87,30	167,00
F4 NH <sub>3</sub>	4.646,00	11726	●	77,60	341,00	1.462,00	398,00	530,00	80,20	751,00	-	-	188,00	343,00
F5 NH <sub>3</sub>	7.886,00	11727	●	77,60	425,50	1.462,00	415,50	530,00	80,20	751,00	-	-	188,00	343,00
F14/1166 NH <sub>3</sub>	9.939,00	11698	●	77,60	558,00	2.416,00	432,50	521,00	80,20	751,00	48,00	217,50	204,00	420,00
F14/1366 NH <sub>3</sub>	10.126,00	11703	●	77,60	558,00	2.416,00	432,50	521,00	80,20	751,00	48,00	217,50	204,00	420,00
F16/1751 NH <sub>3</sub>	10.574,00	11708	●	77,60	575,00	2.416,00	432,50	521,00	80,20	751,00	48,00	217,50	306,00	630,00
F16/2051 NH <sub>3</sub>	12.383,00	11713	●	77,60	575,00	2.416,00	432,50	521,00	80,20	751,00	48,00	217,50	306,00	630,00

**scope of supply:**

Open type compressors with suction and discharge line valves, sight glass, Inert gas charge, Seat front bearing flange  
 F2+3 NH<sub>3</sub> = two cylinder, cylinder arrangement in row  
 F4+5 NH<sub>3</sub> = four cylinder, cylinder arrangement in V. Decompression valve.  
 F14 NH<sub>3</sub> = four cylinder, cylinder arrangement in V. Decompression valve, Shaft seal with piece of tube for controlled oil collection, Elevated base plate (additional 2,5 Ltr. Oil charge and 8 kg more weight).  
 F16 NH<sub>3</sub> = six cylinder, cylinder arrangement in W. Decompression valve, Shaft seal with piece of tube for controlled oil collection, elevated base plate (additional 2,5 Ltr. Oil charge and 8 kg more weight).

- (1) 220-240 V -1- 50/60 Hz, 40 W at F2 NH<sub>3</sub>, 60 W at F3 NH<sub>3</sub>, 80 W at F4+5 NH<sub>3</sub>, 140 W at F14+16 NH<sub>3</sub>,
- (2) Please state motor Ø and feather key groove dimensions when ordering shafts
- (3) 230 V -1- 50/60 Hz, IP65  
 F4-14 NH<sub>3</sub> = 1 Capacity regulator = 50% residual power  
 F16 NH<sub>3</sub> = 1-2 Capacity regulator = 66/33% residual power

- (4) 230 V -1- 50/60 Hz, without check valve, including Thermal protection thermostat (bimetal tracer)
- (5) 230 V -1- 50/60 Hz, IP20

FDK Series			Surcharges EUR (● = standard)														
Open type compressor unit			oil pump	Oilsump heater (1)	Shaft coupling for direct drive (2)	Capacity regulator (3), price for 1 piece	Start unloader (4)	Thermal protection thermostat (bimetal tracer)	Oil pressure safety switch MP 54 (5) -enclosed-	Differential oil pressure switch, Δp-switch make Kriwan (6) -enclosed-	Oil service valve	two additional sight glasses (both sided)	Elevated base plate (7)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	Instrument panel	drive motor in the following variants mounted, additional charge see left below..
Type	EUR	Part no.															
FDK3	3.784,00	11929	●	77,60	●	-	676,00	80,20	315,00	-	-	-	-	87,30	167,00	994,00	4,0 - 5,5 kW
FDKX3	3.811,00	13481															
FDK4	5.054,00	11931	●	77,60	●	398,00	530,00	80,20	315,00	-	-	-	-	188,00	343,00	994,00	5,5 - 15,0 kW
FDKX4	5.100,00	13482															
FDK5	7.338,00	11933	●	77,60	●	415,50	530,00	80,20	315,00	-	-	-	-	188,00	343,00	994,00	7,5 - 18,5 kW
FDKX5	7.404,00	13483															
FDK14/1166	10.573,00	12270	●	77,60	●	432,50	521,00	80,20	315,00	242,00	48,00	217,50	378,50	204,00	420,00	994,00	11,0 - 30,0 kW
FDKX14/1166	10.639,00	12274															
FDK14/1366	10.841,00	12271	●	77,60	●	432,50	521,00	80,20	315,00	242,00	48,00	217,50	378,50	204,00	420,00	994,00	11,0 - 30,0 kW
FDKX14/1366	10.907,00	12275															
FDK16/1751	11.468,00	12272	●	77,60	●	432,50	521,00	80,20	315,00	242,00	48,00	217,50	378,50	306,00	630,00	994,00	11,0 - 55,0 kW
FDKX16/1751	11.551,00	12276															
FDK16/2051	12.919,00	12273	●	77,60	●	432,50	521,00	80,20	315,00	242,00	48,00	217,50	378,50	306,00	630,00	994,00	11,0 - 55,0 kW
FDKX16/2051	13.002,00	12277															

**scope of supply:**

Open type F(X) compressor (Extent of delivery see page 45) for direct drive, mounted on a profiled base frame. 4 rubber plates enclosed for installation of the compressor unit.

With shaft coupling and coupling protection, without drive motor.

The hub at the motorside of the shaft coupling will be supplied only with a pilot hole, if at the order is not indicated the shaft Ø of the motor and the dimensions of the feather key groove.

- (1) 220-240 V -1- 50/60 Hz, 40 W at F(X)2, 60 W at F(X)3, 80 W at F(X)4+5, 140 W at F(X)14+16,
- (2) Please state motor Ø and feather key groove dimensions when ordering shafts
- (3) 230 V -1- 50/60 Hz, IP65  
FDK(X)4-14 = 1 Capacity regulator = 50% residual power  
FDK(X)16 = 1-2 Capacity regulator = 66/33% residual power

- (4) 230 V -1- 50/60 Hz, without check valve including Thermal protection thermostat (bimetal tracer)
- (5) 230 V -1- 50/60 Hz, IP20
- (6) 220-240 V -1- 50/60 Hz
- (7) additional 2,5 Ltr. Oil charge and 8 kg more weight
- (8) 380-420 V 50 Hz, type 1MB3, protection class IP55, -mounted-

drive motor (8)	EUR
4,0 kW	867,50
5,5 kW	1.137,50
7,5 kW	1.396,50
11,0 kW	1.798,00
15,0 kW	2.255,00
18,5 kW	2.622,00
22,0 kW	3.049,00
30,0 kW	3.564,00
37,0 kW	4.374,00
45,0 kW	5.217,00
55,0 kW	7.698,00

FDK Series NH <sub>3</sub>			Surcharges EUR (● = standard)											
Open type compressor unit														
Oil charge FDK NH <sub>3</sub> : Fuchs Reniso KC 68														
Type	EUR	Part no.	oil pump	oilump heater (1)	Shaft coupling for direct drive (2)	Capacity regulator (3), price for 1 piece	Start unloader (4)	Thermal protection thermostat (bimetal tracer)	Oil pressure safety switch MP 55A for NH <sub>3</sub> (5) -enclosed-	Oil service valve	two additional sight glasses (both sided)	Water-cooled cylinder covers	Sea water resistant water-cooled cylinder covers	drive motor in the following variants mounted, additional charge see left below..
FDK3 NH3	4.597,00	13558	●	77,60	●	-	-	80,20	751,00	-	-	87,30	167,00	4,0 - 5,5 kW
FDK4 NH3	6.232,00	13557	●	77,60	●	398,00	530,00	80,20	751,00	-	-	188,00	343,00	5,5 - 15,0 kW
FDK5 NH3	9.598,00	13518	●	77,60	●	415,50	530,00	80,20	751,00	-	-	188,00	343,00	7,5 - 18,5 kW
FDK14/1166 NH3	12.658,00	13519	●	77,60	●	432,50	521,00	80,20	751,00	48,00	217,50	204,00	420,00	11,0 - 30,0 kW
FDK14/1366 NH3	12.845,00	13520	●	77,60	●	432,50	521,00	80,20	751,00	48,00	217,50	204,00	420,00	11,0 - 30,0 kW
FDK16/1751 NH3	13.288,00	13522	●	77,60	●	432,50	521,00	80,20	751,00	48,00	217,50	306,00	630,00	11,0 - 55,0 kW
FDK16/2051 NH3	15.098,00	13523	●	77,60	●	432,50	521,00	80,20	751,00	48,00	217,50	306,00	630,00	11,0 - 55,0 kW

**scope of supply:**

Open type F NH<sub>3</sub> compressor (Extent of delivery see page 47) for direct drive, mounted on a profiled base frame. 4 rubber plates enclosed for installation of the compressor unit.

With shaft coupling and coupling protection, without drive motor.

The hub at the motorside of the shaft coupling will be supplied only with a pilot hole, if at the order is not indicated the shaft Ø of the motor and the dimensions of the feather key groove.

drive motor (6)	EUR
4,0 kW	867,50
5,5 kW	1.137,50
7,5 kW	1.396,50
11,0 kW	1.798,00
15,0 kW	2.255,00
18,5 kW	2.622,00
22,0 kW	3.049,00
30,0 kW	3.564,00
37,0 kW	4.374,00
45,0 kW	5.217,00
55,0 kW	7.698,00

- (1) 220-240 V -1- 50/60 Hz, 40 W at FDK2 NH<sub>3</sub>, 60 W at FDK3 NH<sub>3</sub>, 80 W at FDK4+5 NH<sub>3</sub>, 140 W at FDK14+16 NH<sub>3</sub>,
- (2) Please state motor Ø and feather key groove dimensions when ordering shafts
- (3) 230 V -1- 50/60 Hz, IP65  
FDK4-14 NH<sub>3</sub> = 1 Capacity regulator = 50% residual power  
FDK16 NH<sub>3</sub> = 1-2 Capacity regulator = 66/33% residual power

- (4) 230 V -1- 50/60 Hz, without check valve including Thermal protection thermostat (bimetal tracer)
- (5) 230 V -1- 50/60 Hz, IP20
- (6) 380-420 V 50 Hz, type IMB3, protection class IP55, -mounted-

FK Series			Surcharges EUR (● = standard)							
Vehicle compressors			oil pump	Oil sump heater 24 V DC, 40 W	Thermal protection thermostat (bimetal tracer)	Capacity regulator	Electromagnetic clutch 24 V DC LA21 -enclosed-	Compressor flywheel -enclosed-	sight glass	Intermediate flange for changing the position of the shut-off valves
Type	EUR	Part no.								
FK20/120N	1.686,00	14315	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/120N	1.700,00	14321								
FK20/120K	1.818,00	14316	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/120K	1.831,00	14322								
FK20/120TK	1.686,00	14327	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/120TK	1.700,00	14330								
FK20/145N	1.711,00	14317	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/145N	1.725,00	14323								
FK20/145K	1.846,00	14318	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/145K	1.857,00	14324								
FK20/145TK	1.711,00	14328	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/145TK	1.725,00	14331								
FK20/170N	1.739,00	14319	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/170N	1.753,00	14325								
FK20/170K	1.871,00	14320	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/170K	1.884,00	14326								
FK20/170TK	1.739,00	14329	●	139,00	203,00	-	718,00	243,00	61,40	-
FKX20/170TK	1.753,00	14332								

**scope of supply:**

Open piston compressor in a light aluminium construction, with suction and discharge valves.  
 Two cylinder, cylinder arrangement in row. Inert gas charge,  
 Fastening possibility for electromagnetic clutch

FK Series			Surcharges EUR (● = standard)						
Vehicle compressors			oil pump	Oilsump heater 24 V DC, 80 W	Thermal protection thermostat (bimetal tracer)	Capacity regulator	Electromagnetic clutch 24 V DC LA30.01 -enclosed-	Compressor flywheel -enclosed-	Intermediate flange for changing the position of the shut-off valves
Type	EUR	Part no.							
FK30/235N	2.417,00	13965	●	139,00	80,20	-	916,00	509,00	On request
FKX30/235N	2.450,00	13971							
FK30/235K	2.584,00	13966	●	139,00	80,20	-	916,00	509,00	On request
FKX30/235K	2.617,00	13972							
FK30/235TK	2.417,00	14333	●	139,00	80,20	-	916,00	509,00	On request
FKX30/235TK	2.450,00	14336							
FK30/275N	2.542,00	13967	●	139,00	80,20	-	916,00	509,00	On request
FKX30/275N	2.575,00	13973							
FK30/275K	2.710,00	13968	●	139,00	80,20	-	916,00	509,00	On request
FKX30/275K	2.743,00	13974							
FK30/275TK	2.542,00	14334	●	139,00	80,20	-	916,00	509,00	On request
FKX30/275TK	2.575,00	14337							
FK30/325N	2.594,00	13969	●	139,00	80,20	-	916,00	509,00	On request
FKX30/325N	2.627,00	13975							
FK30/325K	2.761,00	13970	●	139,00	80,20	-	916,00	509,00	On request
FKX30/325K	2.794,00	13976							
FK30/325TK	2.594,00	14335	●	139,00	80,20	-	916,00	509,00	On request
FKX30/325TK	2.627,00	14338							

**scope of supply:**

Open piston compressor in a light aluminium construction, with suction and discharge valves.  
 Two cylinder, cylinder arrangement in row. Inert gas charge,  
 sight glass, Seat front bearing flange, Fastening possibility  
 for electromagnetic clutch, Decompression  
 valve (only for makes FK(X)30/275+325)  
 Integrated oil collecting system for the shaft seal,  
 Typ with leak oil drain hose.

FK Series			Surcharges EUR (● = standard)						
Vehicle compressors			oil pump	Oilsump heater 24 V DC; 80 W	Thermal protection thermostat (bimetal tracer)	Capacity regulator 24 V DC (1)	Electromagnetic clutch 24 V DC LA16.028 -enclosed-	Compressor flywheel -enclosed-	Intermediate flange for changing the position of the shut-off valves
Type	EUR	Part no.							
FK40/390N	4.886,00	13977	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/390N	4.919,00	13985							
FK40/390K	5.205,00	13978	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/390K	5.238,00	13986							
FK40/390TK	4.886,00	14339	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/390TK	4.919,00	14343							
FK40/470N	4.886,00	13979	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/470N	4.919,00	13987							
FK40/470K	5.205,00	13980	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/470K	5.238,00	13988							
FK40/470TK	4.886,00	14340	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/470TK	4.919,00	14344							
FK40/560N	5.012,00	13981	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/560N	5.045,00	13989							
FK40/560K	5.331,00	13982	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/560K	5.364,00	13990							
FK40/560TK	5.012,00	14341	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/560TK	5.045,00	14345							
FK40/655N	5.122,00	13983	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/655N	5.155,00	13991							
FK40/655K	5.439,00	13984	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/655K	5.472,00	13992							
FK40/655TK	5.122,00	14342	●	139,00	80,20	398,00	854,00	341,00	On request
FKX40/655TK	5.155,00	14346							

**scope of supply:**

Open piston compressor in a light aluminium construction, with suction and discharge valves.  
 Four cylinder, cylinder arrangement in V. Inert gas charge,  
 Two sight glasses, Seat front bearing flange, Fastening possibility  
 for electromagnetic clutch, Decompression valve,  
 Integrated oil collecting system for the shaft seal,  
 Typ with leak oil drain hose.

(1) 1 Capacity regulator = 50 % residual power

FK Series			Surcharges EUR (● = standard)							
Vehicle compressors										
Oil charge FK: Fuchs Reniso SP46										
Oil charge FKX: Fuchs Reniso Triton SE55										
Type	EUR	Part no.	oil pump	Oilsump heater 24 V DC, 80 W	Thermal protection thermostat (bimetal tracer)	Capacity regulator 24 V DC (1) price for 1 piece	Electromagnetic clutch 24 V DC LA16.028 -enclosed-	Electromagnetic clutch 24 V DC LA26.02 -enclosed-	Compressor flywheel -enclosed-	Intermediate flange for changing the position of the shut-off valves
FK50/660N	6.100,00	13867	●	139,00	80,20	398,00	854,00	-	341,00	On request
FKX50/660N	6.143,00	13875								
FK50/660K	6.575,00	13868	●	139,00	80,20	398,00	854,00	-	341,00	On request
FKX50/660K	6.618,00	13876								
FK50/660TK	6.100,00	14349	●	139,00	80,20	398,00	854,00	-	341,00	On request
FKX50/660TK	6.143,00	14353								
FK50/775N	6.241,00	13869	●	139,00	80,20	398,00	854,00	-	341,00	On request
FKX50/775N	6.284,00	13877								
FK50/775K	6.716,00	13870	●	139,00	80,20	398,00	854,00	-	341,00	On request
FKX50/775K	6.759,00	13878								
FK50/775TK	6.241,00	14350	●	139,00	80,20	398,00	854,00	-	341,00	On request
FKX50/775TK	6.284,00	14354								
FK50/830N	6.389,00	13916	●	139,00	80,20	398,00	-	2.197,00	341,00	On request
FKX50/830N	6.432,00	13923								
FK50/830K	6.887,00	13917	●	139,00	80,20	398,00	-	2.197,00	341,00	On request
FKX50/830K	6.930,00	13924								
FK50/980N	6.587,00	13918	●	139,00	80,20	398,00	-	2.197,00	341,00	On request
FKX50/980N	6.630,00	13925								
FK50/980K	7.058,00	13919	●	139,00	80,20	398,00	-	2.197,00	341,00	On request
FKX50/980K	7.101,00	13926								

**scope of supply:**

Open piston compressor in a light aluminium construction, with suction and discharge valves.  
 Six cylinder, cylinder arrangement in W. Inert gas charge,  
 Two sight glasses, Seat front bearing flange, Fastening possibility  
 for electromagnetic clutch, Decompression valve,  
 Integrated oil collecting system for the shaft seal,  
 Typ with leak oil drain hose.

(1) 1-2 Capacity regulator =  
 66/33 % residual power

**Conditions for examination and waste disposal of GEA Bock compressors**

Please arrange return shipments to us freight paid. Freight charges advanced by us will generally be charged to you or will be deducted from the Credit Note, respectively. Return shipments to you will be freight collect.

Information on warranty claims within the legal warranty period can be given only after investigation of the claimed compressor. In case we refuse a warranty, we are sending you a detailed inspection report and are informing you about the reasons for the rejection. In this case we will charge waste disposal costs if necessary.

Outside the legal warranty period after having contacted us you can send us an up to 3 years old compressor for examination against charges. In this case examination costs and possible waste disposal costs will be charged.

The examination and waste disposal costs will be charged according to expense.

Otherwise our valid sales and delivery conditions each are applicable. Subject to change without prior notice.



*We live our values.*

Excellence • Passion • Integrity • Responsibility • GEA-versity

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

## **GEA Refrigeration Technologies**

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