

Replacement Parts List

Frame 4 - Issue 7 (H)

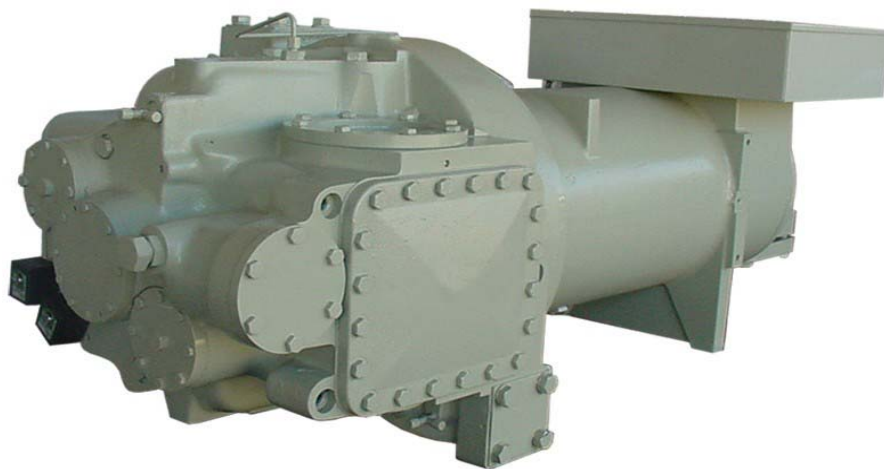
Date: June - 2006

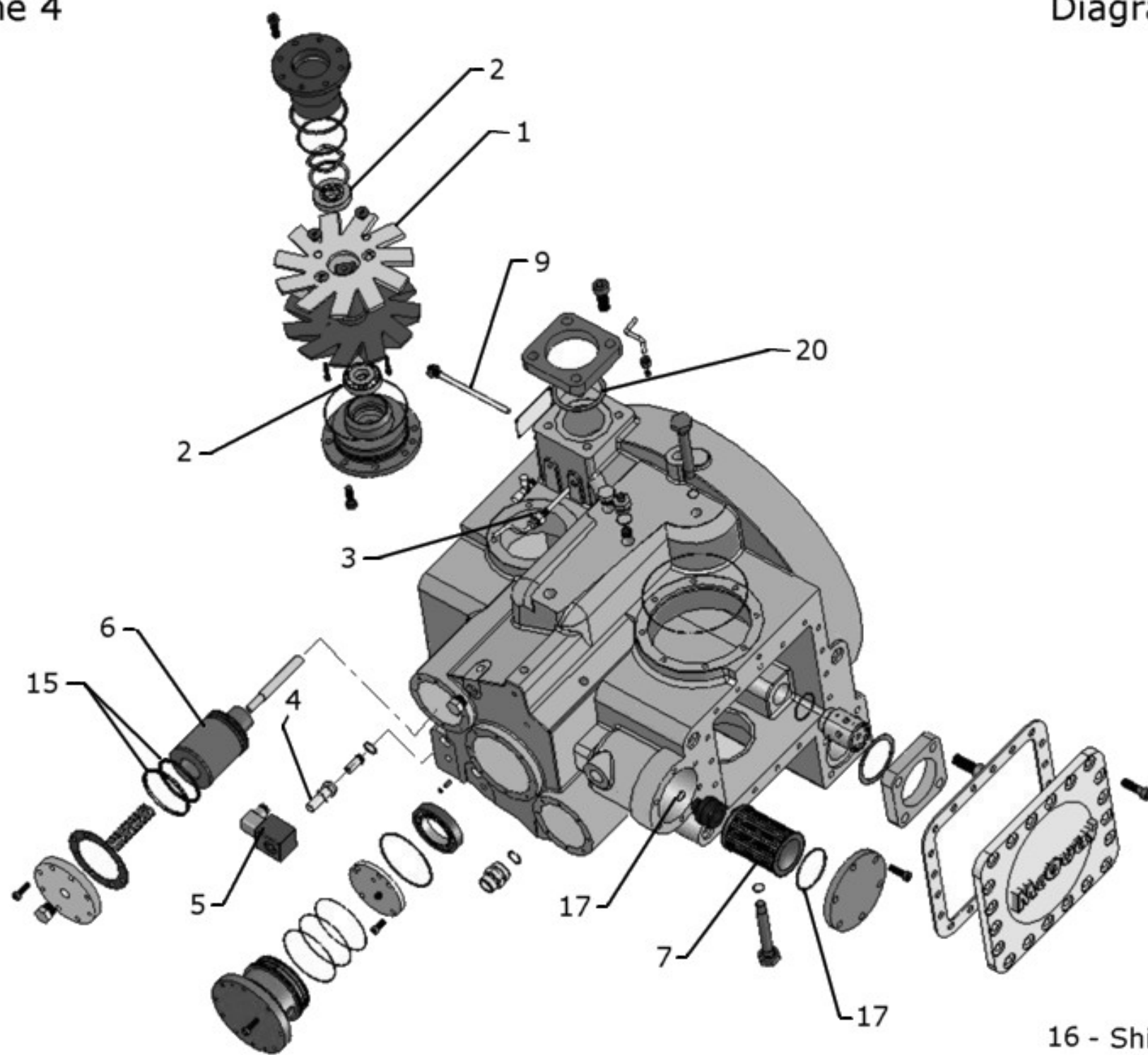
Supersedes: Frame 4 - Issue 6 (H)

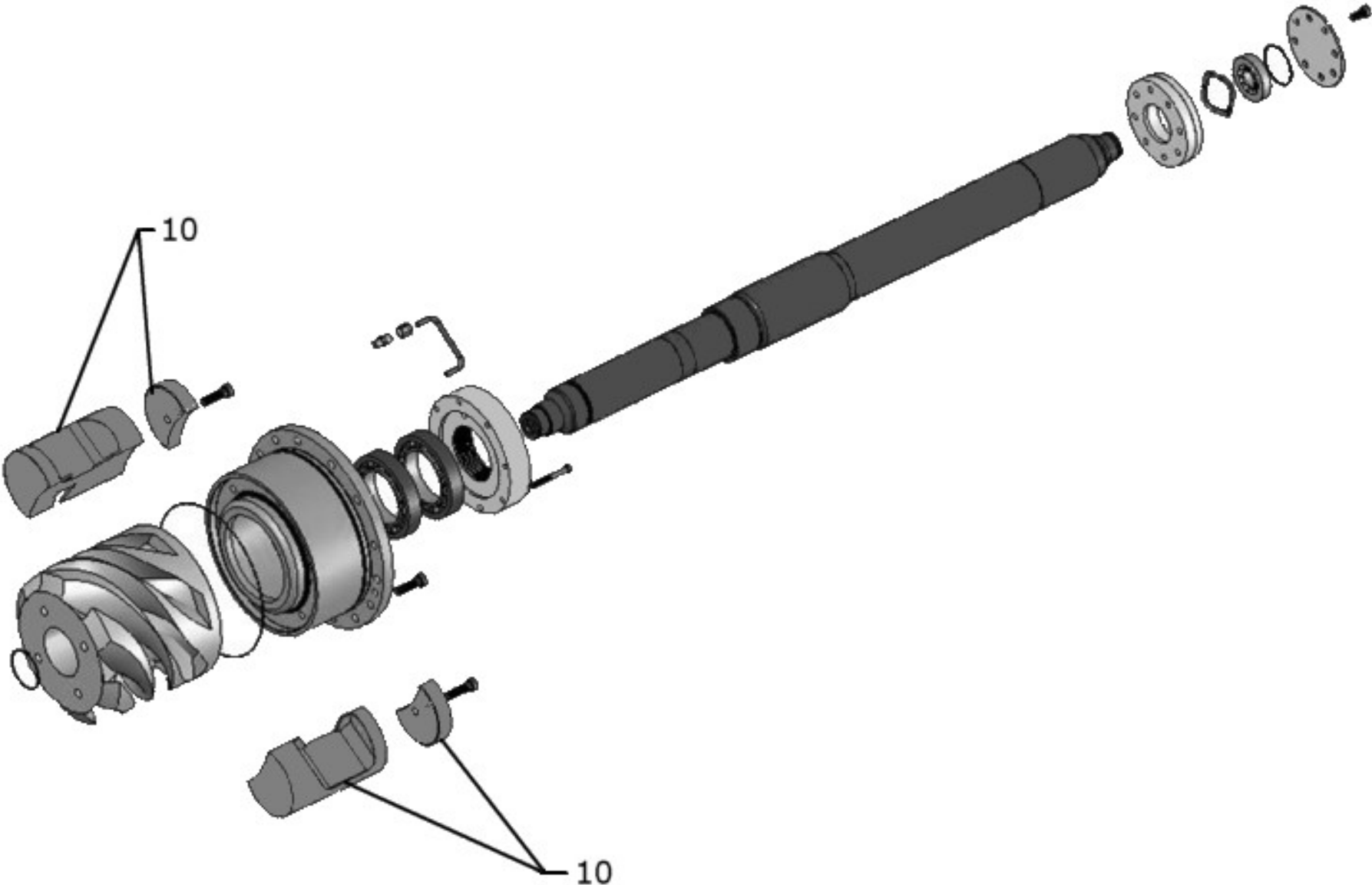


Frame 4

Semi-Hermetic Single Screw Compressors

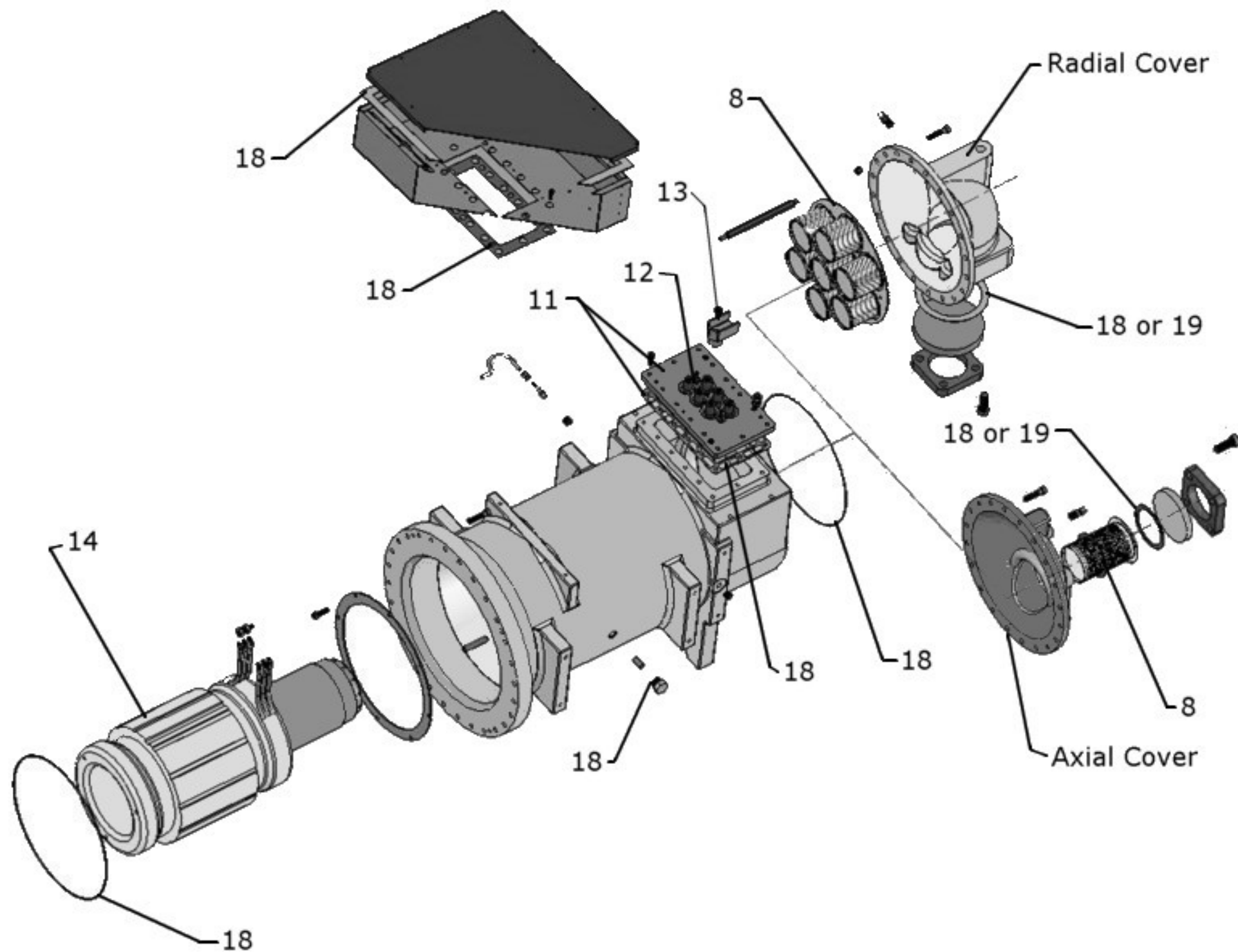






Frame 4

Diagram 3



Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Stars					
1	1	Hallplas Star Kit (also require items 16 & 21)	N02280007	95813-401	1		
1	1	Hallplas Star Kit (also require items 16 & 21)	N02280008	95814-401		1	
1	1	Hallplas Star Kit (also require items 16 & 21)	N02280009	95815-401			1
		Bearings					
2	1	Star Bearing Kit (also require items 16 & 21)	N02050049	95813-404	1	1	1
		Thermostats					
3	1	Discharge Thermostat 100oC	N05060031	95814-502	1	1	1
		Solenoid Valves 115v 50/60Hz					
4 & 5	1	Capacity Control Solenoid Valve Kit (Asco) (kit includes 2 valves & 2 coils)	N30010038	95823-415	1	1	1
4 & 5	1	Capacity Control Solenoid Valve Kit (Sporlan) (kit includes 2 valves & 2 coils)	N30010041	95823-417	1	1	1
5	1	Capacity Control Solenoid Valve Coil (Asco)	N30020034	131066074	2	2	2
5	1	Capacity Control Solenoid Valve Coil (Sporlan)	N30020039	131066072	2	2	2
		Solenoid Valves 230v 50/60Hz					
4 & 5	1	Capacity Control Solenoid Valve Kit (Asco) (kit includes 2 valves & 2 coils)	N30010039	95823-416	1	1	1
4 & 5	1	Capacity Control Solenoid Valve Kit (Sporlan) (kit includes 2 valves & 2 coils)	N30010042	95823-418	1	1	1
5	1	Capacity Control Solenoid Valve Coil (Asco)	N30020047	131066073	2	2	2
5	1	Capacity Control Solenoid Valve Coil (Sporlan)	N30020045	131066071	2	2	2
		Capacity Control Pistons					
6	1	Capacity Control Piston Kit (also require item 15)	N02630006	95814-407	1	1	1
		Filters					
7	1	Oil Filter (also require item 17 or 21)	N02370008	95816-401	1	1	1
8	3	Refrigerant Suction Filter (axial suction) (also require 18 or 21)	N12010011	87211-301	1	1	1
8	3	Refrigerant Suction Filter (radial suction) (also require 18 or 21)	N02490009	132004007	1	1	1

Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Heaters 115v					
9	1	Compressor Oil Heater 400W (direct immersion)	N19030041	2858-642	1	1	1
N/S	N/S	Oil Separator Heater 150W	N19030016	132012025	1	1	1
		Heaters 230v					
9	1	Compressor Oil Heater 400W (direct immersion)	N19030042	2858-643	1	1	1
N/S	N/S	Oil Separator Heater 150W	N19030015	132012001	1	1	1
		Heater Pockets					
N/S	N/S	Oil Separator Heater Pocket	N13390001	131506010	1	1	1
		Capacity Control Slides					
10	2	Capacity Control Slide Kit 2.2VR (also require items 16 & 21)	N02860008	95823-403	1		
10	2	Capacity Control Slide Kit 2.6VR (also require items 16 & 21)	N02860009	95823-404	1		
10	2	Capacity Control Slide Kit 3.5VR (also require items 16 & 21)	N02860010	95823-405	1		
10	2	Capacity Control Slide Kit 4.9VR (also require items 16 & 21)	N02860011	95823-406	1		
10	2	Capacity Control Slide Kit 2.2VR (also require items 16 & 21)	N02860012	95823-407		1	1
10	2	Capacity Control Slide Kit 2.6VR (also require items 16 & 21)	N02860013	95823-408		1	1
10	2	Capacity Control Slide Kit 3.5VR (also require items 16 & 21)	N02860014	95823-409		1	
10	2	Capacity Control Slide Kit 4.9VR (also require items 16 & 21)	N02860015	95823-410		1	
10	2	Capacity Control Slide Kit 3.5VR (also require items 16 & 21)	N02860016	95823-411			1
10	2	Capacity Control Slide Kit 4.9VR (also require items 16 & 21)	N02860017	95823-412			1

Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Motor Terminals					
11	3	Terminal Plate Kit (Europe & China) (also require item 18 or 21)	N02470010	95812-423	1	1	1
12	3	Motor Terminal (USA Only) (also require item 18 or 21)	N02480006	95812-424	6	6	6
13	3	Motor Terminal Plastic Cap	N13060020	131083020	As Req	As Req	As Req
		Stators					
14	3	Stator 400V 50Hz 145kW - 460V 60Hz 174kW (also require item 18 or 21)	N02330008	95813-410	1	1	1
14	3	Stator 400V 50Hz 232kW - 460V 60Hz 280kW (also require item 18 or 21)	N02330033	95813-416	1	1	1
14	3	Stator 500V 50Hz 145kW - 575V 60Hz 174kW (also require item 18 or 21)	N02330009	95813-411	1	1	1
14	3	Stator 230V 60Hz 174kW (also require item 18 or 21)	N02330010	95813-412	1	1	1
14	3	Stator 208V 60Hz 174kW (also require item 18 or 21)	N02330011	95813-413	1	1	1
14	3	Stator 380V 60Hz 174kW (also require item 18 or 21)	N02330012	95813-414	1	1	1
		Capacity Indicators					
N/S	N/S	Capacity Indicator (HBLVDT) (not self setable)	N05390002	95822-413	1	1	1
N/S	N/S	Capacity Indicator (HBLVDT) (self setable)	N05390006	95822-415	1	1	1
		Capacity Indicator Protective Covers					
N/S	N/S	Capacity Indicator (HBLVDT) Protective Cover	N02080030	119403516	1	1	1
		Oil Tubes					
N/S	N/S	Bearing Oil supply Tube Kit	N02210015	95822-411	1	1	1

Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Piston Rings					
15	1	Piston Ring (Glyd Ring) Set	N02630005	95814-405	1	1	1
		Shims					
16	1	Shim Set	N02260012	92848-405	1	1	1
		Gaskets					
17	1	Oil Filter Replacement Gasket & O-Ring Set	N33010027	128810988	1	1	1
18	3	Motor Replacement Gasket & O-Ring Set	N33010037	128810983	1	1	1
19	3	Suction Connection Gasket (axial suction)	N33070011	M350233902	1	1	1
19	3	Suction Connection Gasket (radial suction)	N33100006	130609266	1	1	1
20	1	Discharge Connection Gasket	N33070010	M350233901	1	1	1
21	1	Full Gasket & O-Ring Set	N33010040	128810989	1	1	1
		Oils					
N/S	N/S	McQuay Ester Oil (20 litre can)	N23020054	132901028	19L	19L	19L
N/S	N/S	McQuay Mineral Oil	N/A	N/A	19L	19L	19L
		Compressor Net Weights - Air Cooled					
N/S	N/S	HSA Compressors R134a (axial suction)	N/A	N/A	750Kg	788Kg	788Kg
N/S	N/S	HSA Compressors R407c (axial suction)	N/A	N/A	870Kg	870Kg	870Kg
		Compressor Net Weights - Water Cooled					
N/S	N/S	HSW Compressors R134a (axial suction)	N/A	N/A	750Kg	788Kg	788Kg
N/S	N/S	HSW Compressors R134a (radial suction)	N/A	N/A	750Kg	750Kg	750Kg
N/S	N/S	HSW Compressors R407c (radial suction)	N/A	N/A	750Kg	750Kg	750Kg
N/S	N/S	HSW Compressors R410a (axial suction)	N/A	N/A	870Kg	870Kg	870Kg
N/S	N/S	HSW Compressors R410a (radial suction)	N/A	N/A	880Kg	880Kg	880Kg

Frame 4 Issue 7 (H) Page 9 Frame 4 Spare Parts List Semi-Hermetic Compressors					Quantity for Each Compressor		
Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Air Cooled Replacement Compressors 115v Aux - New					
N/S	N/S	HSA205 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030007	M350234033-15	N/A	N/A	N/A
N/S	N/S	HSA205 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01030015	M330480103-15	N/A	N/A	N/A
N/S	N/S	HSA220 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030006	M350234032-15	N/A	N/A	N/A
N/S	N/S	HSA220 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01030016	M330480102-15	N/A	N/A	N/A
N/S	N/S	HSA235 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030005	M350234031-15	N/A	N/A	N/A
N/S	N/S	HSA235 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01030017	M330480101-15	N/A	N/A	N/A

****Chillers built before serial number 021531 (November 2002) use compressors with external oil filter and oil tubing. The current production compressors now have these items fitted internally. When replacing one of these old compressors with the new type please advise the model number and serial number of the chiller along with the serial number of the compressor and the circuit it is used on**

Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Air Cooled Replacement Compressors 115v Aux - Overhauled					
N/S	N/S	HSA205 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530050	RT50234033	N/A	N/A	N/A
N/S	N/S	HSA205 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01530055	N/A	N/A	N/A	N/A
N/S	N/S	HSA220 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530047	RT50234032	N/A	N/A	N/A
N/S	N/S	HSA220 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01530056	N/A	N/A	N/A	N/A
N/S	N/S	HSA235 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530048	RT50234031	N/A	N/A	N/A
N/S	N/S	HSA235 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01530057	N/A	N/A	N/A	N/A

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Frame 4 Issue 7 (H) Page 11					Frame 4 Spare Parts List Semi-Hermetic Compressors			Quantity for Each Compressor		
Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235			
		Air Cooled Replacement Compressors 230v Aux - New								
N/S	N/S	HSA205 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030022	N/A	N/A	N/A	N/A			
N/S	N/S	HSA205 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01030023	N/A	N/A	N/A	N/A			
N/S	N/S	HSA220 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030024	N/A	N/A	N/A	N/A			
N/S	N/S	HSA220 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01030025	N/A	N/A	N/A	N/A			
N/S	N/S	HSA235 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030026	N/A	N/A	N/A	N/A			
N/S	N/S	HSA235 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01030027	N/A	N/A	N/A	N/A			

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Frame 4 Issue 7 (H) Page 12 Frame 4 Spare Parts List Semi-Hermetic Compressors					Quantity for Each Compressor		
Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Air Cooled Replacement Compressors 230v Aux - Overhauled					
N/S	N/S	HSA205 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530059	N/A	N/A	N/A	N/A
N/S	N/S	HSA205 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01530060	N/A	N/A	N/A	N/A
N/S	N/S	HSA220 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530061	N/A	N/A	N/A	N/A
N/S	N/S	HSA220 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01530062	N/A	N/A	N/A	N/A
N/S	N/S	HSA235 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530063	N/A	N/A	N/A	N/A
N/S	N/S	HSA235 Compressor R407c 400-460/3/50-60 Axial Suct Cover	N01530064	N/A	N/A	N/A	N/A

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Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Water Cooled Replacement Compressors 115v Aux - New					
N/S	N/S	HSW205 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030007	M350234033-15	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01030028	M350234046-15	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01030029	M330480146	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01030030	M330560203	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030006	M350234032-15	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01030031	M350234045-15	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01030032	M330480145	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01030033	M330560202	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030005	M350234031-15	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01030034	M350234044-15	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01030035	M330480144	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01030036	M330560201	N/A	N/A	N/A

Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Water Cooled Replacement Compressors 115v Aux - Overhauled					
N/S	N/S	HSW205 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530050	RT50234033	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01530065	RT50234046	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01530066	N/A	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01530067	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530047	RT50234032	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01530068	RT50234045	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01530069	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01530070	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530048	RT50234031	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01530071	RT50234044	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01530072	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01530073	N/A	N/A	N/A	N/A

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Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Water Cooled Replacement Compressors 230v Aux - New					
N/S	N/S	HSW205 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030037	N/A	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01030038	N/A	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01030039	N/A	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01030040	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030041	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01030042	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01030043	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01030044	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01030045	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01030046	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01030047	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01030048	N/A	N/A	N/A	N/A

Frame 4 Spare Parts List Semi-Hermetic Compressors

Quantity for Each
Compressor

Item	Diagram	Description	JEH P/No	McQ P/No	205	220	235
		Water Cooled Replacement Compressors 230v Aux - Overhauled					
N/S	N/S	HSW205 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530075	N/A	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01530076	N/A	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01530077	N/A	N/A	N/A	N/A
N/S	N/S	HSW205 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01530078	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530079	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01530080	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01530081	N/A	N/A	N/A	N/A
N/S	N/S	HSW220 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01530082	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R134a 400-460/3/50-60 Axial Suct Cover	N01530083	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R134a 400-460/3/50-60 Radial Suct Cover	N01530084	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R407c 400-460/3/50-60 Radial Suct Cover	N01530085	N/A	N/A	N/A	N/A
N/S	N/S	HSW235 Compressor R410a 400-460/3/50-60 Radial Suct Cover	N01530086	N/A	N/A	N/A	N/A

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The compressor design and construction is subject to change without prior notice

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