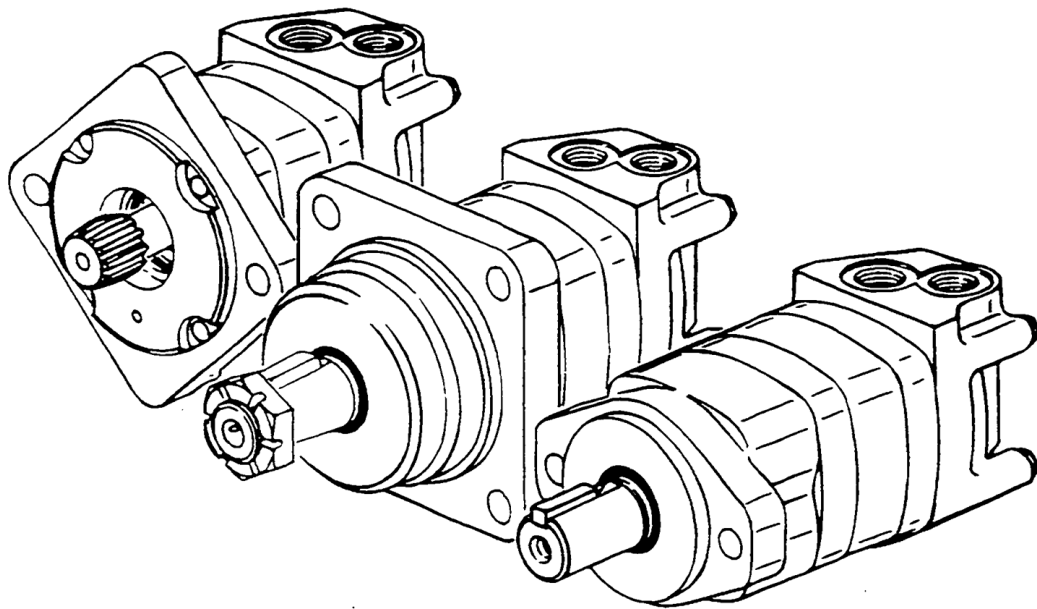


Parts Manual

Danfoss Char-Lynn Hydraulic Motors

2000 series Geroler motors 003, 004, 005



Revision history*Table of revisions*

Date	Changed	Rev
November 2023	First edition	0101

Contents

2000 series exploded view

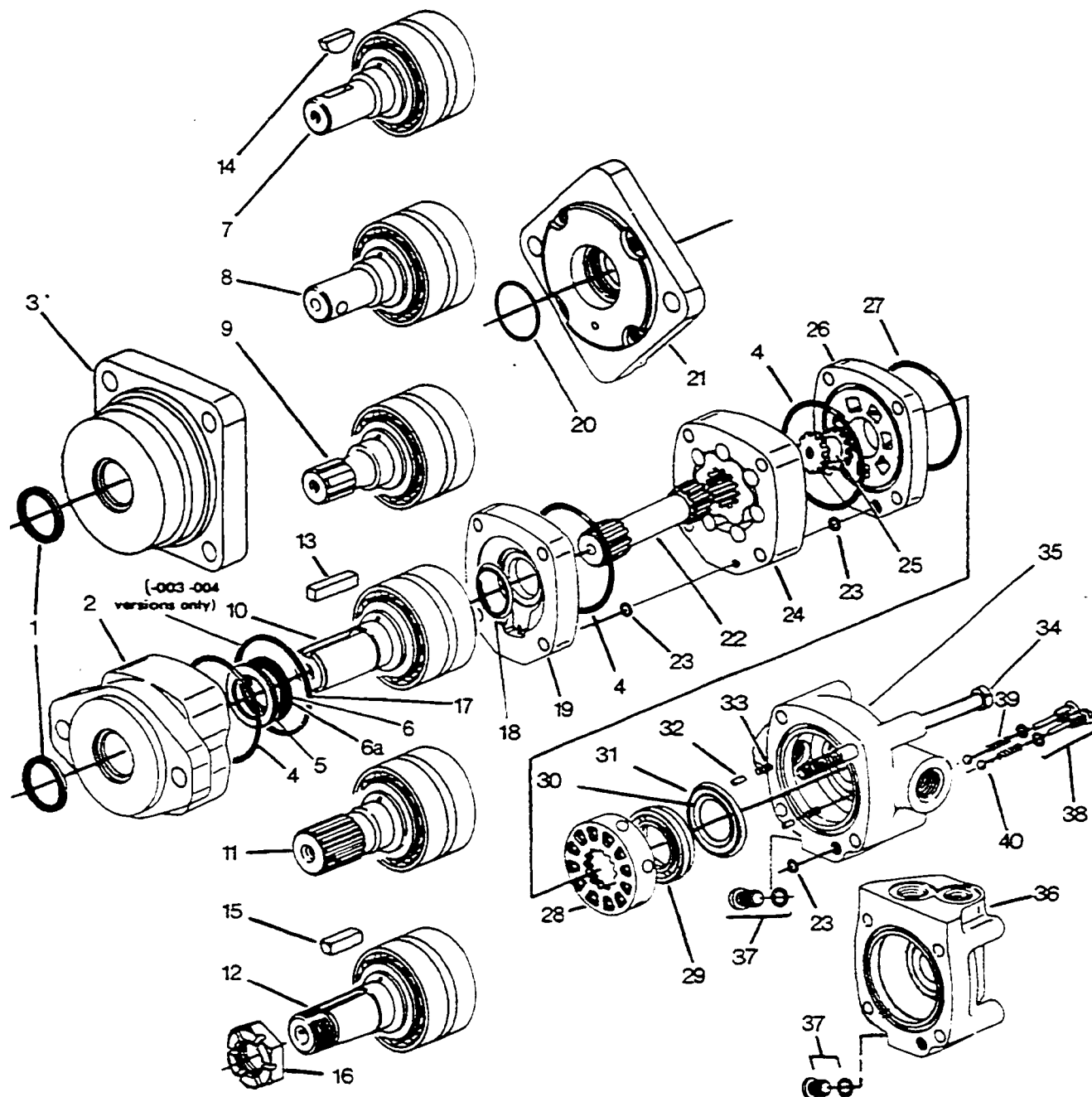
2000 series part numbers

O-ring part numbers

Ordering replacement parts for Char-Lynn motors

2000 series exploded view

2000 series exploded view



2000 series part numbers

Displacement (in ³ /rev)	Drive (no. 22)			Geroler (no. 24)		Bolt (no. 34)			
	Design code and part number			Part no.	Length (in)	Standard and wheel motors		Bearingless motors	
	003	004	005			Part no.	Length (in)	Part no.	Length (in)
4.9	-	-	21371-9	8789-1	0.701	14384-7	5.45	14384-2	4.26
6.2	-	-	21371-10	8789-2	0.884	14384-7	5.45	14384-2	4.26
8.0	-	-	21371-4	8789-3	1.137	14384-9	5.95	14384-3	4.77
9.6	8289	21371-4	21371-4	8789-4	1.137	14384-9	5.95	14384-3	4.77
11.9	8359	21371-5	21371-5	8789-5	1.402	14384-9	5.95	14384-4	5.01
14.9	8360	21371-6	21371-6	8789-6	1.758	14384-11	6.41	14384-7	5.45
18.7	8361	21371-7	21371-7	8789-7	2.206	14384-13	6.97	14384-9	5.95
24.0	-	21371-8	21371-8	8789-8	2.833	14384-15	7.54	14384-11	6.41

This parts list covers versions 003, 004, and 005 of the 2000 series motor. Major design changes are indicated by the design code which is the last 3 digits of the product number. The current design code is 005. Not all parts are interchangeable. See table below for the correct part numbers.

Number	Design code part numbers			Description	Qty. per unit		
	003	004	005		Standard	Wheel	Bearingless
1	9121-1	9121-1	9121-1	Dust seal	1	1	
2	8537 ³	8537 ³	8537	Bearing housing	1		
3	8536 ³	8536 ³	8536	Bearing housing		1	
4	9022-6	9022-6	9022-6	Seal, 3in ID	3	3	2
5	7382	7382	7382	Back-up washer	1	1	
6	9057-9	9057-9	9057-9	Shaft seal	1	1	
6a	9117-4	9117-4	9117-4	Shaft seal, Viton	1	1	
7	7404-1	7404-1	7404-1	Shaft and bearing kit (1in straight) ²	1	1	
8	7404-6	7404-6	7404-6	Shaft and bearing kit (1in w/crosshole) ²	1	1	
9	7404-2	7404-2	7404-2	Shaft and bearing kit (1in splined) ²	1	1	
10	7404-3	7404-3	7404-3	Shaft and bearing kit (1-1/4in straight) ²	1	1	
11	7404-4	7404-4	7404-4	Shaft and bearing kit (1-1/4in splined) ²	1	1	
12	7404-5	7404-5	7404-5	Shaft and bearing kit (1-1/4in tapered) ²	1	1	
13	14392-8	14392-8	14392-8	Key (for straight shaft no. 10)	1	1	
14	14193	14193	14193	Key (for straight shaft no. 7)	1	1	
15	14392-6	14392-6	14392-6	Key (for tapered shaft no. 12)	1	1	
16	14163	14163	14163	Hex nut (for tapered shaft no. 12)	1	1	
17	61203	61203	DNA	Spacer bearing kit ³	1	1	
18	9050	9050	9050	Shaft face seal	1	1	
19	7390	7390	7390	Wear plate	1	1	
20	15127	15127	15127	O-ring seal, 1-1/2in ID			1
21	8055	8055	8055	Mounting flange			1
22	1	1	1	Drive	1	1	1
23	15006	15006	15006	O-ring seal, 5/16in ID	3	3	3
24	1	1	1	Geroler	1	1	1
25	8038	8433	8433	Valve drive	1	1	1
26	7370-2	8432	8432	Valve plate	1	1	1
27	9022-2	9022-2	9022-2	Seal, 2-5/8in ID	1	1	1
28	21466	8435	8435	Valve	1	1	1

2000 series part numbers

Number	Design code part numbers			Description	Qty. per unit		
	003	004	005		Standard	Wheel	Bearingless
29	8915	8915	8915	Balance ring	1	1	1
30	9049-1	9049-1	9049-1	Inner face seal	1	1	1
31	9048-1	9048-1	9048-1	Outer face seal	1	1	1
32	14351	14351	14351	Pin	2	2	2
33	7383	7383	7383	Spring	2	2	2
34	1	1	1	Bolt	4	4	4
35	DNA	8159-2	8159-2	Valve housing (1-1/16in-12 180° ports)	1	1	1
36	8355	8355	8355	Valve housing (7/8in-14 staggered ports)	1	1	1
37	9072-3	9072-3	9072-3	Plug assembly	1	1	1
	25000-904	25000-904	25000-904	O-ring	1	1	1
38	8350	8350	8350	Check plug assembly	2	2	2
	250003-903	250003-903	25000-903	O-ring	2	2	2
39	6464	6464	6464	Spring	2	2	2
40	18026	18026	18026	Steel ball	2	2	2

³ When replacing the bearing housing on the 003 and 004 versions, remove the bearing spacer.

² Order 61203 bearing spacer kit when replacing the shaft and bearing kit.

¹ See prior table.

61252 seal kit

Contains all seals for standard and wheel motors

61202 bearingless motor seal kit

Contains all seals except shaft seal and dust seal

61247 Viton seal kit

Contains all seals for standard and wheel motors

DNA

Does not apply

NSS

Not sold separately

O-ring part numbers

7/8-14 O-ring staggered ports

Mounting	Shaft	Displacement							
		80 [4.9]	100 [6.2]	130 [8.0]	160 [9.6]	195 [11.9]	245 [14.9]	306 [18.7]	395 [24.0]
2-bolt SAE A flange	1 in straight	104-1001	104-1002	104-1003	104-1004	104-1005	104-1006	104-1007	104-1143
	1 in SAE 6B splined	104-1015	104-1016	104-1017	104-1018	104-1019	104-1020	104-1021	104-1227
	1-1/4 in straight	104-1022	104-1023	104-1024	104-1025	104-1026	104-1027	104-1028	104-1228
	1-1/4 14T splined	104-1029	104-1030	104-1031	104-1032	104-1033	104-1034	104-1035	104-1229
	1-1/4 in tapered	104-1008	104-1009	104-1010	104-1011	104-1012	104-1013	104-1014	104-1226
Wheel motor	1 in straight	105-1008	105-1009	105-1010	105-1011	105-1012	105-1013	105-1014	105-1061
	1 in SAE 6B splined	105-1015	105-1016	105-1017	105-1018	105-1019	105-1020	105-1021	105-1062
	1-1/4 in straight	105-1022	105-1023	105-1024	105-1025	105-1026	105-1027	105-1028	105-1063
	1-1/4 in 14T splined	105-1029	105-1030	105-1031	105-1032	105-1033	105-1034	105-1035	105-1096
	1-1/4 in tapered	105-1001	105-1002	105-1003	105-1004	105-1005	105-1006	105-1007	105-1060
Bearingless	-	106-1008	106-109	106-1010	106-1011	106-1012	106-1013	106-1014	106-1015

1-1/16 - 12 O-ring 180° apart

Mounting	Shaft	Displacement							
		80 [4.9]	100 [6.2]	130 [8.0]	160 [9.6]	195 [11.9]	245 [14.9]	306 [18.7]	395 [24.0]
2-bolt SAE A flange	1 in straight	104-1037	104-1038	104-1039	104-1040	104-1041	104-1042	104-1043	104-1044
	1 in straight with crosshole	104-1045	104-1046	104-1047	104-1048	104-1049	104-1050	104-1051	104-1052
	1 in SAE 6B splined	104-1053	104-1054	104-1055	104-1056	104-1057	104-1058	104-1059	104-1060
	1-1/4 in straight	104-1061	104-1062	104-1063	104-1064	104-1065	104-1066	104-1067	104-1068
	1-1/4 14T splined	104-1087	104-1088	104-1089	104-1090	104-1091	104-1092	104-1093	104-1094
	1-1/4 in tapered	104-1095	104-1096	104-1097	104-1098	104-1099	104-1100	104-1101	104-1102
Wheel motor	1 in straight	105-1036	105-1037	105-1038	105-1039	105-1040	105-1041	105-1042	105-1043
	1 in SAE 6B splined	105-1044	105-1045	105-1046	105-1047	105-1048	105-1049	105-1050	105-1051
	1-1/4 in straight	105-1052	105-1053	105-1054	105-1055	105-1056	105-1057	105-1058	105-1059
	1-1/4 in 14T splined	105-1079	105-1080	105-1081	105-1082	105-1083	105-1084	105-1085	105-1086
	1-1/4 in tapered	105-1071	105-1072	105-1073	105-1074	105-1075	105-1076	105-1077	105-1078
Bearingless	-	106-1030	106-1031	106-1032	106-1033	106-1034	106-1035	106-1036	106-1037

Ordering replacement parts for Char-Lynn motors

For additional information or help, visit danfoss.com

When requesting replacement parts, you must include the following in each order:

- Product Number
- Date Code
- Part Name
- Part Number
- Quantity of Parts

Product label reference



1. Country of origin
2. Product family
3. Product number
4. Serial number
5. Date code
6. Address

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Daikin-Sauer-Danfoss

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**Danfoss
Power Solutions (US) Company**
2800 East 13th Street
Ames, IA 50010, USA
Phone: +1 515 239 6000

**Danfoss
Power Solutions GmbH & Co. OHG**
Krokamp 35
D-24539 Neumünster, Germany
Phone: +49 4321 871 0

**Danfoss
Power Solutions ApS**
Nordborgvej 81
DK-6430 Nordborg, Denmark
Phone: +45 7488 2222

**Danfoss
Power Solutions Trading
(Shanghai) Co., Ltd.**
Building #22, No. 1000 Jin Hai Rd
Jin Qiao, Pudong New District
Shanghai, China 201206
Phone: +86 21 2080 6201

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