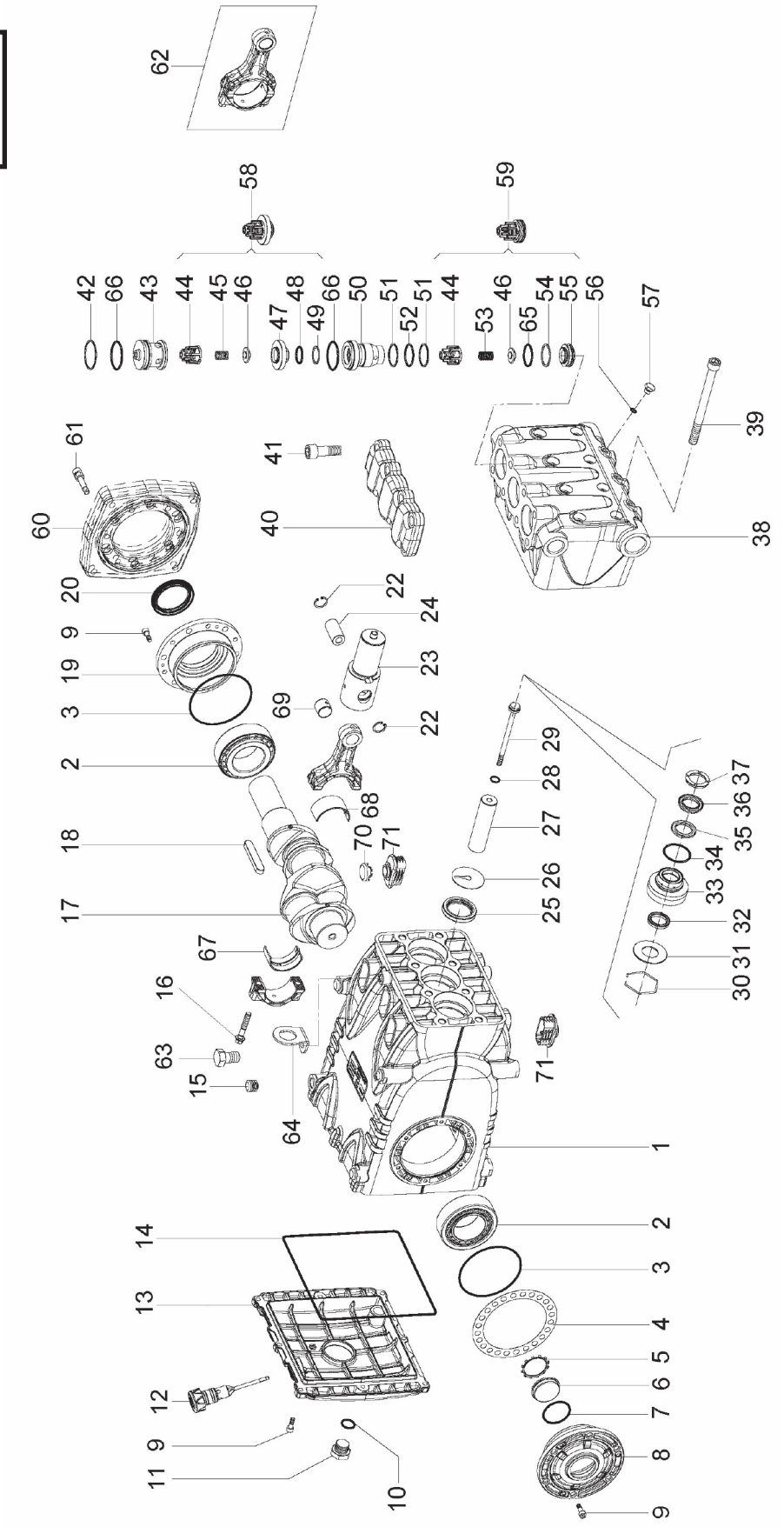
16. EXPLODED VIEW AND PARTS LIST

HF



GENERAL PUMP *A member of the Interpump Group*

HF SERIES

Serial #10127003 and Later

Item	Part #	Description	QTY.
1	71010022	Pump Crankcase	1
2	91859000	Roller Bearing 33210/Q	2
3	90391800	O-ring, Ø 97.92 x 2.62	2
4	F71220081	Shim, 0.1	
	F71220381	Shim, 0.25	
	F71220581	Shim, 0.35	
5	90075600	Ring, ZJ45	1
6	70211801	Oil Level Indicator	1
7	90387700	O-ring, Ø 39.34 x 2.62	4
8	F71150122	Oil Level Indicator, Bearing Cover Side	1
9	99186700	Screw, TCEI M6 x 18 UNI 5931, Zinc	20
10	F90384100	O-ring, Ø 17.19 x 2.62	1
11	F98218300	Plug, G1/2" x 13, Nickel	1
12	98212000	Dipstick	1
13	F71160022	Crankcase Cover	1
14	F90400000	O-ring, Ø 215 x 3	1
15	98206000	Plug for Ø 15 Port	7
16	F99313800	Connecting Rod Screw	6
17	F71020035	Crankshaft	1
18	F91500000	Crankshaft Key	1
19	F71150022	Motor Side Bearing Cover	1
20	90170000	Oil Seal, 50 x 65 x 8, Viton	1
21	F71030701	Connecting Rod	3
22	F90060600	Ring, Ø 20 UNI 7437	6
23	71050015	Piston Guide	3
24	F97743000	Pin, Ø 20 x 38	3
25	90167800	Seal, 38 x 52 x 7	3
26	96714000	Wiper	3
27	F71040009	Plunger, Ø 18 (HF18A)	3
	F71041509	Plunger, Ø 20 (HF20A)	3
	F71040109	Plunger, Ø 22 (HF22A)	3
	F71040209	Plunger, Ø 25 (HF25A)	3
28	90367100	O-ring, Ø 11 x 2 - 90 Sh.	3
29	71219566	Plunger Bolt	3
30	F90079700	Ring, Ø 52 UNI7437	3
31	F71217070	Packing Ring, Ø 18 (HF18A)	3
	F71224770	Packing Ring, Ø 20 (HF20A)	3
	F71217270	Packing Ring, Ø 22 (HF22A)	3
	F71217470	Packing Ring, Ø 25 (HF25A)	3
32	F90264800	Packing, Ø 18 L.P. (HF18A)	3
	F90268800	Packing, Ø 20 L.P. (HF20A)	3
	F90271300	Packing, Ø 22 L.P. (HF22A)	3
	F90274600	Packing, Ø 25 L.P. (HF25A)	3
33	F71214070	Packing Support, Ø 18 (HF18A)	3
	F71224870	Packing Support, Ø 20 (HF20A)	3
	F71215170	Packing Support, Ø 22 (HF22A)	3
	F71215270	Packing Support, Ø 25 (HF25A)	3
34	F90387500	O-ring, Ø 37.77 x 2.62	3
35	F90268700	Restop, Ø 18 (HF18A)	3
	90270400	Restop, Ø 20 (HF20A)	3
	90273000	Restop, Ø 22 (HF22A)	3
	F90274800	Restop, Ø 25 (HF25A)	3

Item	Part #	Description	QTY.
36	F90268600	Packing, Ø 18 H.P. (HF18A)	
	90270500	Packing, Ø 20 H.P. (HF20A)	
	90272500	Packing, Ø 22 H.P. (HF22A)	
	F90274900	Packing, Ø 25 H.P. (HF25A)	
37	F71100051	Front Ring, Ø 18 (HF18A)	
	F70100051	Front Ring, Ø 20 (HF20A)	
	F70100151	Front Ring, Ø 22 (HF22A)	
	F71100151	Front Ring, Ø 25 (HF25A)	
38	F71124036	Manifold for Plunger Ø 18, NPT(HF18A)	1
	F71124136	Manifold for Plunger Ø 22, NPT (HF20A, HF22A)	1
	F71124236	Manifold for Plunger Ø 25, NPT (HF25A)	1
39	F99448000	Screw TCEI M12 x 150 UNI 5931	8
40	F71210036	Valve Cover	1
41	F99485000	Screw TCEI M14 x 40 UNI5931	8
42	F90522000	Back-up Ring, OR Ø 40.9 x 45 x 5	3
43	F71211070	Valve Plug	3
44	F36210305	Suction/Delivery Valve Guide	6
45	F94740100	Valve Spring, Delivery Kit	3
46	F36205066	Spherical Valve (HF18A)	6
	F36203966	Spherical Valve (HF20A, 22A, 25A)	6
47	F36204366	Valve Seat, Delivery	3
48	F90385100	O-ring, Ø 21.89 x 2.62	3
49	F90514500	Back-up Ring, Ø 22.9 x 27 x 1.5	3
50	F71211566	Valve Spacer	3
51	F90517900	Back-up ring, Ø 31.4 x 35.5 x 1.5	6
52	F90386600	O-ring, Ø 29.82 x 2.62	6
53	F94739700	Valve Spring, Suction	3
54	91515500	Back-up Ring, Ø23.9 x 28 x 2 (HF18A)	3
	F90517700	Back-up Ring, Ø30 x 34 x 1.5 (HF20A, 22A, 25A)	3
55	F36204966	Valve Seat, Suction (HF18A)	3
	F36204266	Valve Seat, Suction (HF20A, 22A, 25A)	3
56	90357600	O-ring, Ø 6.75 x 1.78	3
57	F98197200	Plug, G 1/8" x 8	3
58	F36713901	Valve Assembly, Delivery	3
59	F36714401	Valve Assembly, Suction (HF18A)	3
	F36713801	Valve Assembly, Suction (HF20A, 22A, 25A)	3
60	F10067720	Hydraulic Motor Flange	1
61	99309900	Screw TCEI M8 x 35 UNI 5931	6
63	F99512000	Screw, TE M16 x 1.5 UNI 5470	1
64	F71223074	Lifting Eyebolt	1
65	F90385600	O-ring, Ø 23.47 x 2.62 (HF18A)	3
	F90386600	O-ring, Ø 29.82 x 2.62 (HF20A, 22A, 25A)	3
66	F90387800	O-ring, Ø39.34 x 2.62	6
67	F90924300	Babbitt Bearing, Non-load Side, with groove	3
	F90924400	Babbitt Bearing, Non-load Side, with groove, +0.25	3
	F90924500	Babbitt Bearing, Non-load Side, with groove, +0.50	3
68	F90924000	Babbitt Bearing, Load Side, smooth	3
	F90924100	Babbitt Bearing, Load Side, smooth, +0.25	3
	F90924200	Babbitt Bearing, Load Side, smooth, +0.50	3
69	F90911000	Bronze Bushing	3
70	F71225851	Crankcase Plug	6
71	F71225951	Crankcase Plug Cover	3

REPAIR KITS

F2024 (Plunger Packing Kit-HF18A)	**F2071** (Plunger Packing Kit-HF20A)	**F2026** (Plunger Packing Kit-HF22A)	**F2028** (Plunger Packing Kit-HF25A)	**F2031** (Inlet Valves Kit HF18A)	**F2022** (Inlet Valves Kit HF20A,22A, 25A)	**F2023** (Outlet Valves Kit)	**F2025** (Complete Seals Kit-HF18A)	**F2072** (Complete Seals Kit-HF20A)	**F2027** (Complete Seals Kit-HF22A)	**F2029** (Complete Seals Kit-HF25AA)	**F2135** (Babbit Bearing Set)	**F2154** (Babbit Bearing Set, +0.25)	**F2155** (Babbit Bearing Set, +0.50)
32, 34, 35, 36,	32, 34, 35, 36,	32, 34, 35, 36,	32, 34, 35, 36,	59	59	58	3, 5, 7, 10, 14, 20, 25, 28, 32, 34, 35, 36, 37, 42, 48, 49, 51, 52, 54, 65, 66	3, 5, 7, 10, 14, 20, 25, 28, 32, 34, 35, 36, 37, 42, 48, 49, 51, 52, 54, 65, 66	3, 5, 7, 10, 14, 20, 25, 28, 32, 34, 35, 36, 37, 42, 48, 49, 51, 52, 54, 65, 66	3, 5, 7, 10, 14, 20, 25, 28, 32, 34, 35, 36, 37, 42, 48, 49, 51, 52, 54, 65, 66	67, 68	67, 68	67, 68