

FEK Series

STAINLESS STEEL PUMP



Soild Shaft Ø40mm

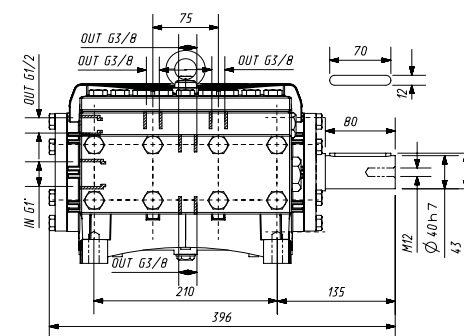
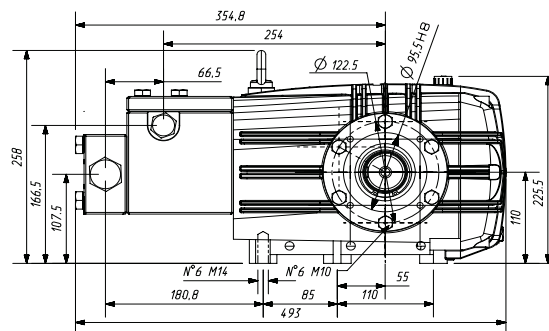
FEATURES

- Stainless-steel high-flow pump head provides corrosion resistance and stability for high-flow operation.
- Forged crankshaft with surface nitriding improves strength and wear resistance.
- The connecting rod is made of a Zn–Cu alloy, improving wear resistance and helping reduce operating noise.
- Tapered roller bearings improve load capability and durability.
- Ceramic plungers with smooth surface finish for long service life.

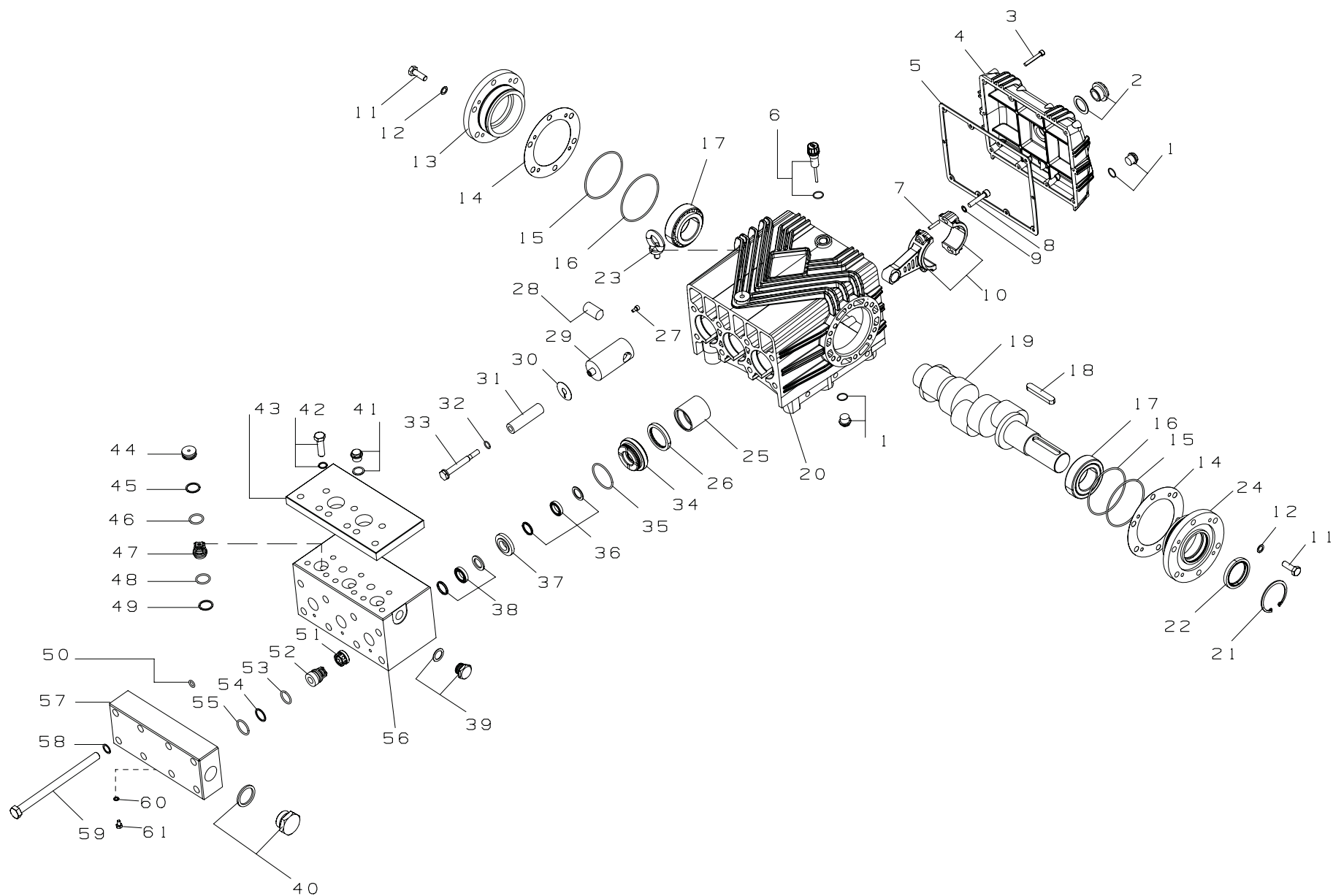
SPECIFICATIONS

Pump Model	FEK 3075	FEK 3665	FEK 4060	FEK 4850	FEK 5045
Flow Rate (L/min)	30	36	40	48	50
Pressure (bar)	750	650	600	500	450
Power (kw)	43.3	45	46.2	46.2	43.3
RPM	1000	1000	1000	1000	1000
Shaft Diameter (mm)	40				
Plunger Stroke (mm)	35	35	45	42	45
Plunger Diameter (mm)	20	22	20	22	22
Oil Capacity (ml)	3450				
Inlet Thread	G 1"				
Outlet Thread	G 1/2				
Weight (kg)	68				
Dimensions (mm)	493x396x226				

DIMENSIONS(mm)



EXPLODED VIEW



COMPONENTS

ITEM	PART NO.	Name	QTY	ITEM	PART NO.	Name	QTY	ITEM	PART NO.	Name	QTY
1	7.400-011	Plug	2	22	7.906-051.1	Shaft Oil Seal	1	42	7.301-021	High Pressure Cover Screw	9
2	7.906-160	Oil Sight Glass	1	23	7.301-016	Hanging Ring	1	43	7.906-126	High Pressure Cover	1
3	7.301-013	Rear Cover Screw	10	24	7.906-060.1	Side Cover	1	44	7.906-067	High Pressure Valve Copper Seat	3
4	7.906-011.3	Rear Cover	1	25	7.906-062	Crankcase Copper Sleeve	3	45	7.906-050	HP Valve Copper Seat Slotted Washer	3
5	7.906-010.2	Rear Cover Oil Gasket	1	26	7.906-051.2	Crankcase Oil Seal	3	46	7.906-049.4	Copper Seat Sealing Ring	3
6	7.903-035	Dipstick	1	27	7.301-017	Plunger Rod Screw	6	47	7.906-086	High Pressure Valve	3
7	7.301-014	Connecting Rod Pin	6	28	7.906-033.3	Plunger Rod Pin	3	48	7.906-049.4	High Pressure Valve Seal	3
8	7.301-020	Connecting Rod Screw	6	29	7.906-024	Plunger Rod	3	49	7.906-050	High Pressure Valve Slotted Washer	3
9	7.301-031	Connecting Rod Screw Washer	6	30	7.906-012.7	Water Seal Washer	3	50	7.906-005.1	Cooling Water Sealing Ring	3
10	7.906-001.2	Copper Connecting Rod	3	31	7.906-161	Ceramic Plunger	3	51	7.406-080	Copper Support	3
11	7.301-015	End Cap Screws	12	32	7.906-049.3	Plunger Seal	3	52	7.906-087	Low Pressure Valve	3
12	7.906-145	End Cover Screw Washer	12	33	7.906-088	Plunger Screw	3	53	7.906-049.4	Low Pressure Valve Seal	3
13	7.906-060	Side Cover	1	34	7.906-128	Guide Seat	3	54	7.906-050	Low Pressure Valve Slotted Washer	3
14	7.906-048	Bearing Adjustment Shim	1	35	7.906-049	Guide Seat Seal Ring	3	55	7.906-049.1	Low Pressure Cover Seal	3
15	7.906-019.9	Bearing Seal	2	36	7.906-007.9	Low Pressure Water Seal	3	56	7.906-125	Stainless Steel Pump Head	1
16	7.906-019.9	Bearing Seal	2	37	7.906-127	Copper Pressure Ring	3	57	7.906-057	Low Pressure Cover Plate	1
17	7.906-014.1	Bearing	2	38	7.906-007.8	High Perssure Water Seal	3	58	7.906-147	Double-Sided Toothed Washer	8
18	7.906-035.2	Parallel Key	1	39	7.400-001.2	High Pressure Plug	1	59	7.301-022	Stud	8
19	7.906-025.14	Crankshaft	1	40	7.906-168	Low Pressure Plug	1	60	7.906-046	Combination Gasket	2
20	7.906-011.3	Crankcase	1	41	7.400-011	High Pressure Plug	4	61	7.301-011	Cooling Water Screw	2
21	7.906-043.1	Shaft Retaining Ring	1								

REPAIR KITS

Water Seal Kit		
Index	36	38
Part Number	7.906-007.9	7.906-007.8
Name	Low Pressure Water Seal	High Perssure Water Seal
Quantity	3	3

Oil Seal Kit		
Index	22	26
Part Number	7.906-051.1	7.906-051.2
Name	Shaft Oil Seal	Crankcase Oil Seal
Quantity	1	3

Valve Kit						
Index	47	48	49	52	53	54
Part Number	7.906-086	7.906-049.4	7.906-050	7.906-087	7.906-049.4	7.906-050
Name	High Pressure Valve	High Pressure Valve Seal	High Pressure Valve Slotted Washer	Low Pressure Valve	Low Pressure Valve Seal	Low Pressure Valve Slotted Washer
Quantity	3	3	3	3	3	3

Plunger Kit	
Index	31
Part Number	7.906-161
Name	Ceramic Plunger
Quantity	3