

FUSSEN®

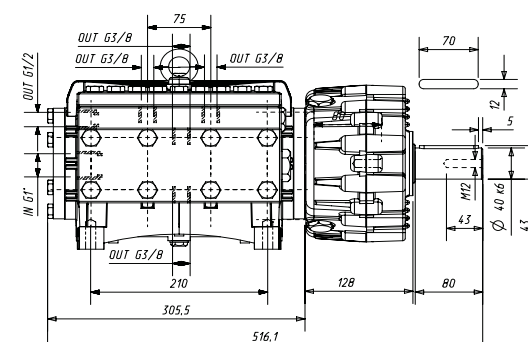


SPECIFICATIONS

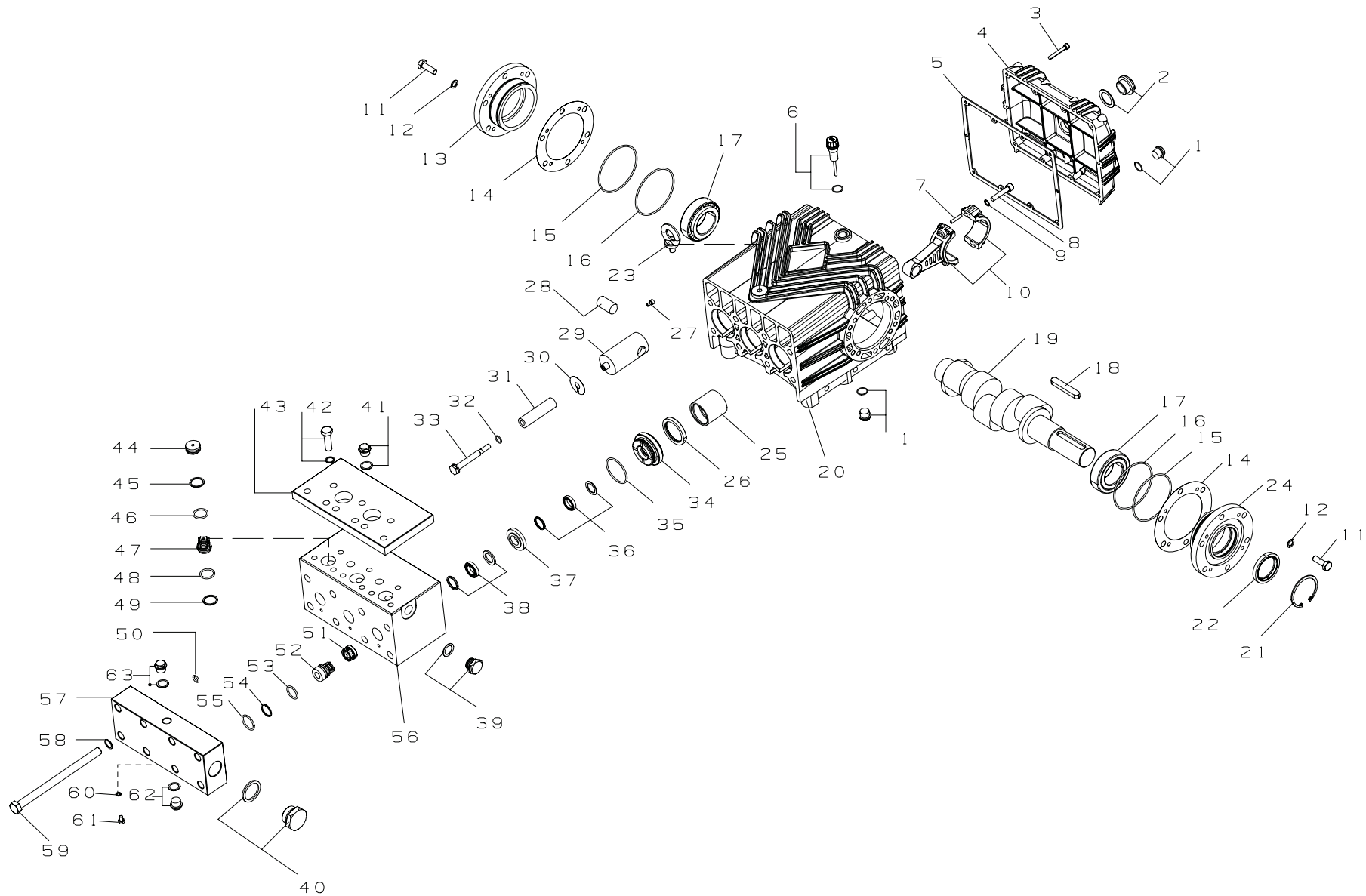
Pump Model	FEK-G 3075	FEK-G 3665	FEK-G 4060	FEK-G 4850	FEK-G 5045	FEK-G 2275	FEK-G 2765	FEK-G 3060	FEK-G 3650	FEK-G 3745
Flow Rate (L/min)	30	36	40	48	50	22.5	27	30	36	37.5
Pressure (bar)	750	650	600	500	450	750	650	600	500	450
Power (kw)	43.3	45	46.2	46.2	43.3	32.5	33.8	34.6	34.6	32.5
RPM	1000	1000	1000	1000	1000	750	750	750	750	750
Shaft Diameter (mm)	40									
Plunger Stroke (mm)	35	42	45	42	45	35	42	45	42	45
Plunger Diameter (mm)	20	20	20	22	22	20	20	20	22	22
Oil Capacity (ml)	3450									
Inlet Thread	G 1"									
Outlet Thread	G 1/2									
Weight (kg)	68									
Dimensions (mm)	493X517X260									

- 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.

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	43	7.906-057.1	High Pressure Cover	1
2	7.906-160	Oil Sight Glass	1	23	7.301-016	Hanging Ring	1	44	7.906-067	High Pressure Valve Copper Seat	3
3	7.301-013	Rear Cover Screw	10	24	7.906-060.1	Side Cover	1	45	7.906-050	HP Valve Copper Seat Slotted Washer	3
4	7.906-011.3	Rear Cover	1	25	7.906-062	Crankcase Copper Sleeve	3	46	7.906-049.4	Copper Seat Sealing Ring	3
5	7.906-010.2	Rear Cover Oil Gasket	1	26	7.906-051.2	Crankcase Oil Seal	3	47	7.906-086	High Pressure Valve	3
6	7.903-035	Dipstick	1	27	7.301-017	Plunger Rod Screw	6	48	7.906-049.4	High Pressure Valve Seal Ring	3
7	7.301-014	Connecting Rod Pin	6	28	7.906-033.3	Plunger Rod Pin	3	49	7.906-050	High Pressure Valve Slotted Washer	3
8	7.301-020	Connecting Rod Screw	6	29	7.906-024	Plunger Rod	3	50	7.906-005.1	Cooling Water Sealing Ring	3
9	7.301-031	Connecting Rod Screw Washer	6	30	7.906-012.7	Water Seal Washer	3	51	7.406-080	Copper Support	3
10	7.906-001.2	Copper Connecting Rod	3	31	7.906-003.9	Ceramic Plunger	3	52	7.906-087	Low-Pressure Valve	3
11	7.301-015	End Cap Screws	12	32	7.906-049.3	Plunger Seal	3	53	7.906-049.4	Low Pressure Valve Seal Ring	3
12	7.906-145	End Cover Screw Washer	12	33	7.906-088	Plunger Screw	3	54	7.906-050	Low Pressure Valve Slotted Washer	3
13	7.906-060	Side Cover	1	34	7.906-089	Guide Seat	3	55	7.906-049.1	Low Pressure Cover Seal Ring	3
14	7.906-048	Bearing Adjustment Shim	1	35	7.906-049	Guide Seat Seal Ring	3	56	7.906-057.2	Stainless Steel Pump Head	1
15	7.906-019.9	End Cover Seal	2	36	7.906-036.6	Low Pressure Water Seal	3	57	7.906-057	Low Pressure Cover Plate	1
16	7.906-019.9	End Cover Seal	2	37	7.906-081	Copper Pressure Ring	3	58	7.906-147	Double-Sided Toothed Washer	8
17	7.906-014.1	Bearing	2	38	7.906-036.5	High Pressure Water Seal	3	59	7.301-022	Stud	8
18	7.906-035.2	Parallel Key	1	39	7.400-001.2	High Pressure Plug	1	60	7.906-046	Combination Gasket	2
19	7.906-177	Crankshaft	1	40	7.906-168	Low Pressure Plug	1	61	7.301-011	Cooling Water Screw	2
20	7.906-011.3	Crankcase	1	41	7.400-011	High Pressure Plug	2	62	7.400-011	High Pressure Plug	1
21	7.906-043.1	Shaft Retaining Ring	1	42	7.301-021	High Pressure Cover Screw	9	63	7.400-011	High Pressure Plug	1

REPAIR KITS

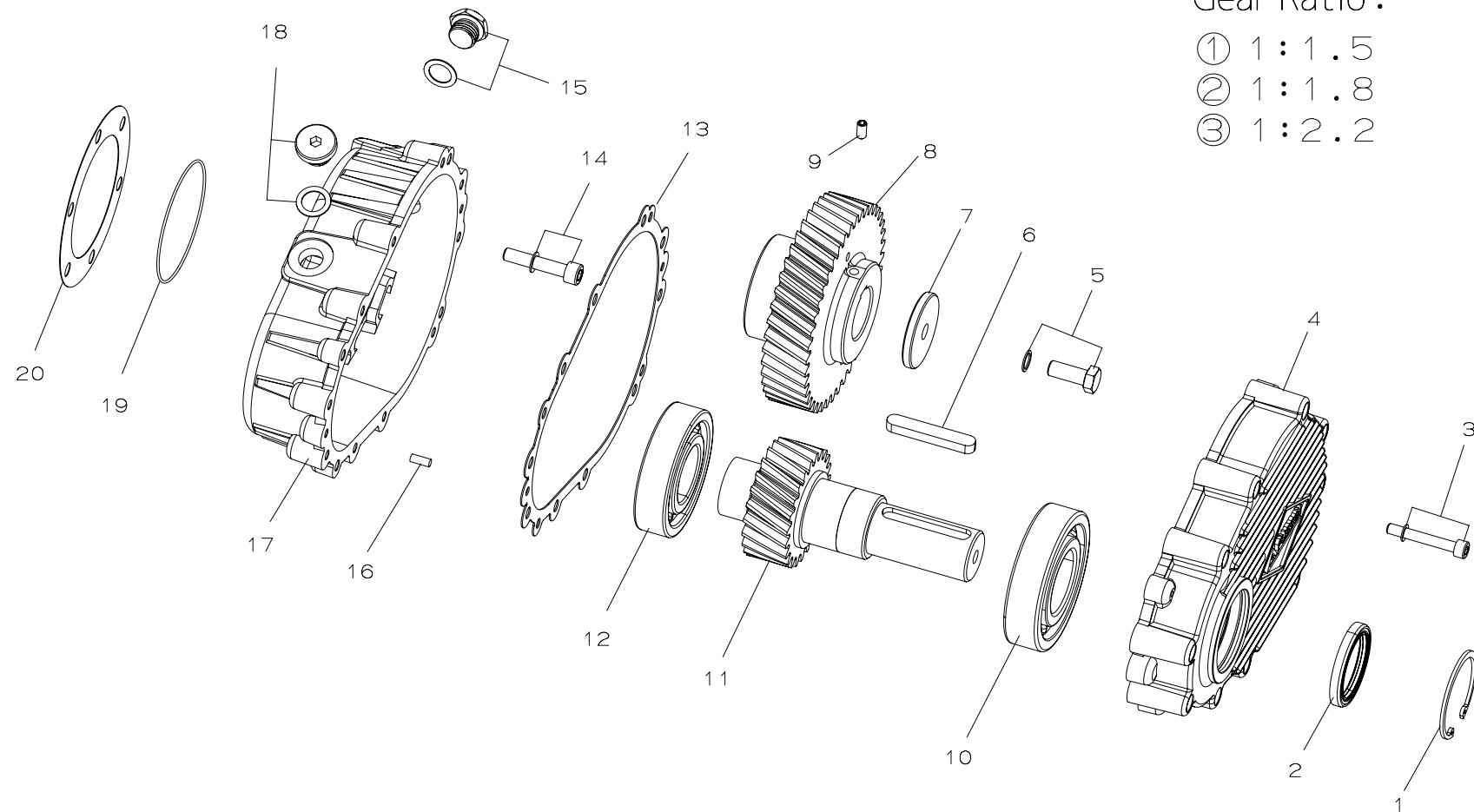
Water Seal Kit		
Index	36	38
Part Number	7.906-036.6	7.906-036.5
Name	Low Pressure Water Seal	High Pressure Water Seal
Quantity	3	3

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 Ring	High Pressure Valve Slotted Washer	Low Pressure Valve	Low Pressure Valve Seal Ring	Low Pressure Valve Slotted Washer
Quantity	3	3	3	3	3	3

Plunger Kit	
Index	31
Part Number	7.906-003.9
Name	Ceramic Plunger
Quantity	3

EXPLODED VIEW (GEARBOX)



Gear Ratio :

① 1 : 1.5

② 1 : 1.8

③ 1 : 2.2

COMPONENTS (GEARBOX)

ITEM	PART NO.	Name	QTY
1	7.905-053	Internal Circlip	1
2	7.905-039	Output Shaft Oil Seal	1
3	7.310-054	M8×55 Hex Socket Screw	10
4	7.140-007	Front Housing Cover	1
5	7.301-056	M12×30 Hex Head Screw	1
6	7.905-054	Parallel Key	1
7	7.905-057	Driven Gear Retainer	1
8	7.400-260	Driven Gear	1
9	7.301-057	M8×15 Set Screw	1
10	7.905-041	Output Shaft Bearing	1

ITEM	PART NO.	Name	QTY
11	7.400-254	Driving Gear	1
12	7.905-042	Inner Crankcase Bearing	1
13	7.905-051	Crankcase Oil Baffle Gasket	1
14	7.301-055	Hexagon Socket Bolt	6
15	7.905-052	G1/2 Oil Sight Glass With Gasket	1
16	7.905-055	Dowel Pin	2
17	7.140-008	Crankcase Rear Cover	1
18	7.905-056	G1/2 Plug With Gasket	2
19	7.905-040	Rear Cover O-Ring	1
20	7.905-050	Rear Cover Oil Baffle Gasket	1

DIMENSIONS (GEARBOX)

