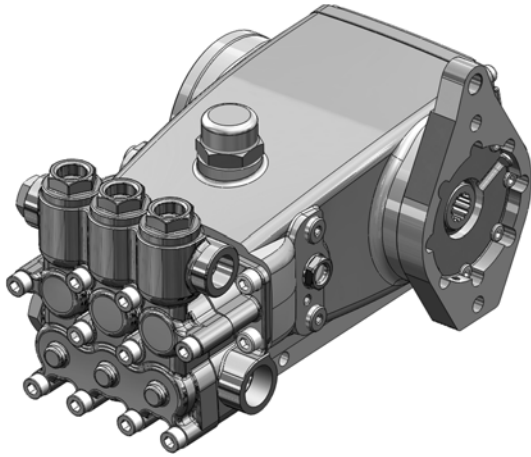




15 FRAME PLUNGER PUMP

**Cast Iron Crankcase
with SAE female splined shaft**

1540DFVH

Specifications

	1540DFVH		Brass
Specific Data:	A	B *	
Discharge Pressure	7 - 85	7 - 30	bar
Flow	68	85 max.	l/min
RPM	1100	1375	min ⁻¹
Stroke	30	30	mm
Bore	30	30	mm
General Data:			
Crankcase Capacity	1,26	1,26	L
Fluid Temperature **	60	60	° C max.
Max. Inlet Pressure	20	5,5	bar
Inlet Ports (2)	1"	1"	NPT female
Discharge Ports (2)	3/4"	3/4"	NPT female
Drive	single end	single End	
Crankshaft	SAE 22-4 J744 (splined shaft)	SAE 22-4 J744 (splined shaft)	mm
Weight	37	37	kg

* Operating the pump under this condition,

** Above 70°C call CAT PUMPS for inlet conditions and elastomer recommendations.

CAUTION!

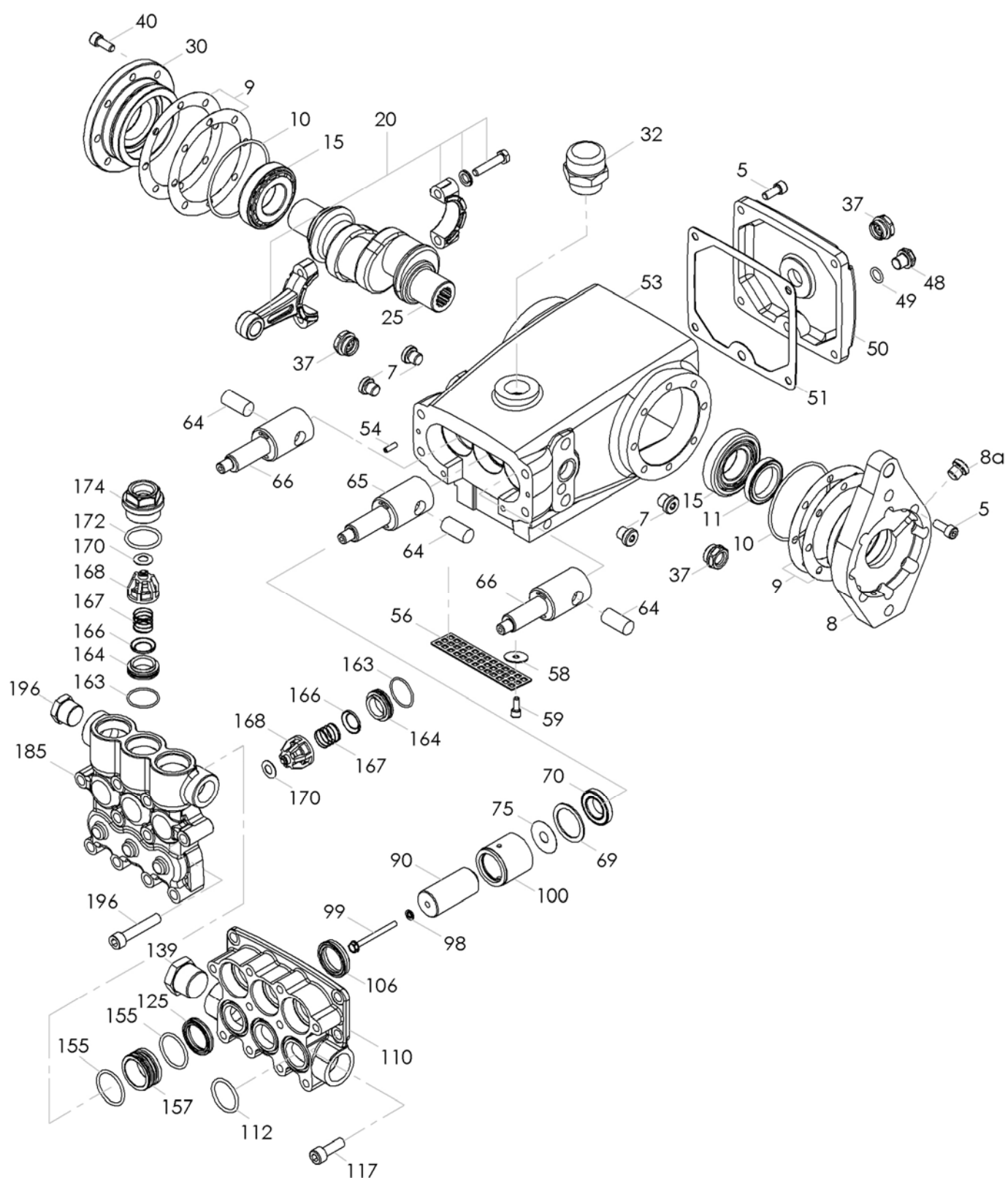
All High Pressure Systems require both a primary pressure regulating device (i.e., regulator, unloader) and a secondary pressure safety relief device (i.e., pop-off valve, safety valve). Failure to install such relief devices could result in personal injury or damage to the pump or to system components. CAT PUMPS does not assume any liability or responsibility for the operation of a customer's high pressure system.

Read all CAUTIONS and WARNINGS before commencing service or operation of any high pressure system. The CAUTIONS and WARNINGS are included in each service manual and with each Accessory Data sheet.

CAUTIONS and WARNINGS can also be viewed online at www.catpumps.de or can be requested directly from CAT PUMPS.

"Customer confidence is our greatest asset"

EXPLODED VIEW



Model
1540DFVH

PARTS LIST

ITEM	DESCRIPTION	PART-NO.	QTY	ITEM	DESCRIPTION	PART-NO.	QTY
				each Pump			

1540DFVH

1540DFVH

5	Screw, M8x20, Hex socket Cap	703345	12
7	Plug	002594G14	4
8	Flange, Hydraulic motor	703567	1
8a	Plug	703494	1
9	Shim Bearing, FBR	704425	0-6
10	O-Ring, Bearing Cover, NBR	11340	2
11	Seal, Oil, NBR	43495	1
15	Bearing	39060	2
20	Rod, Connecting assembly, HS	126805	3
25	Crankshaft, Splined, FCM	703572	1
30	Cover, Bearing, blind, C-iron	703569	1
32	Cap, Oil Filler	703640	1
37	Gauge, Oil	703639	3
40	Screw, countersink, M8x25	704557	8
48	Plug, Oil Drain, 1/4"	25625	1
49	O-Ring, NBR	23170	1
50	Cover, Rear	703566	1
51	Gasket, Rear Cover	704407	1
53	Crankcase	703565	1
56	Guard, Plunger	703654	1
58	Washer	700960	2
59	Screw	702869	2
64	Pin, Crosshead, CM	43507	3
65	Rod, Plunger (centre)	48933	1
66	Rod, Plunger (off centre)	48931	2
69	Washer, Oil Seal	126596	3
70	Seal, Oil	43500	3
75	Slinger Barrier	48937	3
90	Plunger, Ceramik	48938	3
98	Washer Seal, NBR	46730	3
99	Retainer, Plunger	48201	3
100	Retainer, Seal	703605	3
106	Seal, Low Pressure, PTFE	703612	3
110	Manifold, Inlet, BB	48940	1
112	O-Ring, Inlet Manifold, NBR	123903	3
117	Screw, M10x25	49044	4

125	Seal, High Pressure, SNG	48944	3
139	Plug, Inlet Manifold, 1" NPT, BB	704443	1
155	O-Ring, Spacer, NBR	123903	6
157	Spacer, BB	48946	3
163	O-Ring, Seat, NBR	26143	6
164	Seat	48951	6
166	Valve	48686	6
167	Spring, Valve	48687	6
168	Retainer, Spring, PVDF	48994	6
170	Washer, Spring Retainer	123764	6
172	O-Ring, Valve Plug, NBR	17629	3
174	Plug, Valve	48952	3
185	Manifold, Discharge	48948	1
188	Screw, HSH, M10x55	87952	10
196	Plug, Discharge, 3/4" NPT, BB	704444	1
299	Head, complete	816863	1
300*	Kit, Seal, NBR	704440	1
300a*	Kit, Seal, NBR	703673	1
310*	Kit, Valve, NBR	31775	2

* Kit Seal, Pos. 300.: (Inclds: 98; 106; 112; 125; 155)

* Kit, Seal, Pos. 300a.: (Inclds: 300; 70)

* Kit, Valve, Pos. 310.: (Inclds: 163; 164; 166; 167; 168; 170; 172)

Italics are optional Items.

subject to modifications
Rev.-No.: 4a Date: 16.11.2017 (JF)

Model: 1540DFVH



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