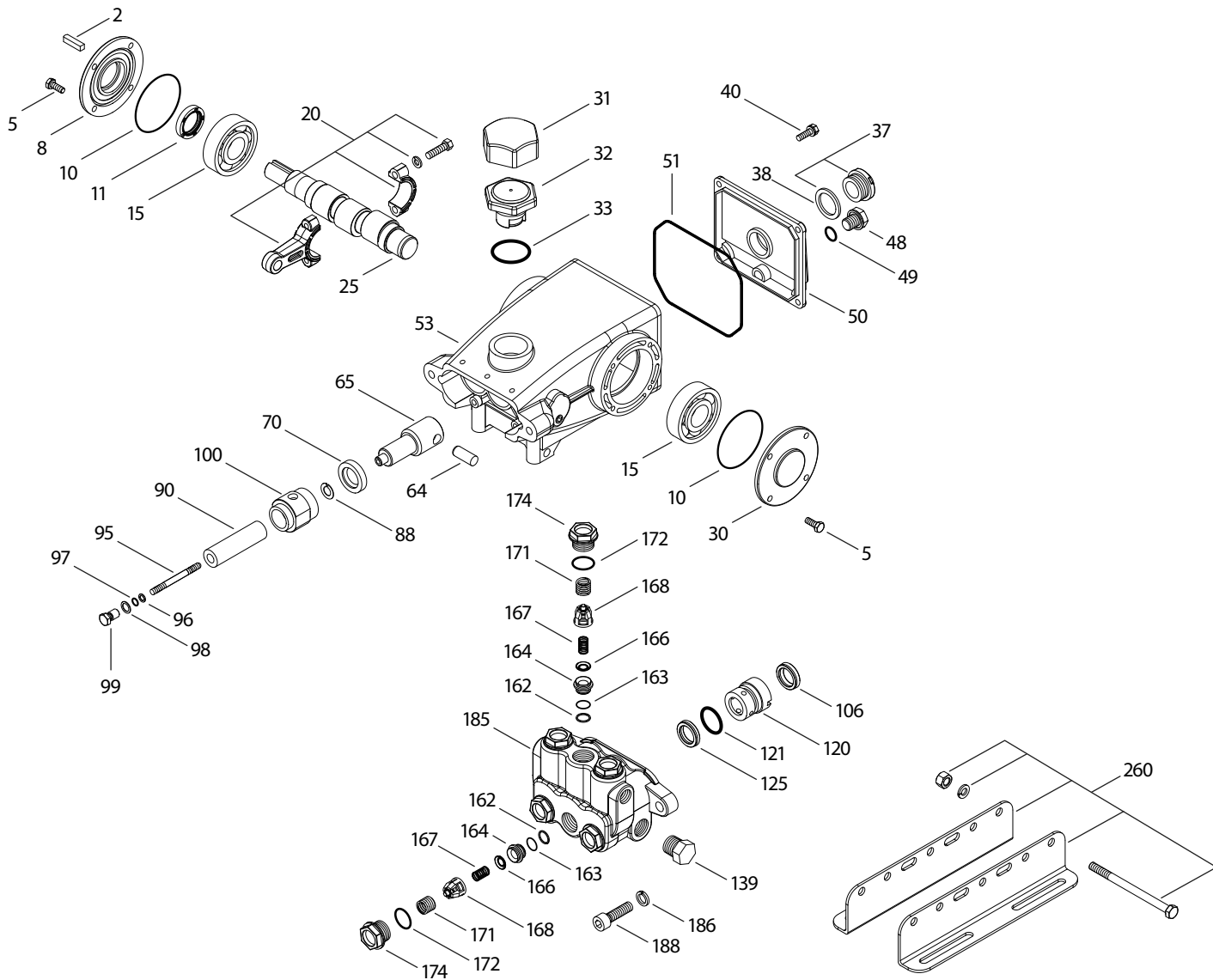


MODEL 301.KHT

SPECIFICATIONS	U.S. Measure	Metric Measure
Flow	1.32 gpm	5.0 lpm
Pressure Range	400 to 2175 psi	27.5 to 150 bar
Max. RPM	1450	1450
*Inlet Pressure	300 to 725 psi	21 to 50 bar
Crankcase Capacity	18 oz.	0.551 l
Dimensions	11.73 x 10.0 x 5.24"	298 x 254 x 133 mm
Weight	19.8 lbs.	9 kg

* Temperature and pressure must be maintained to keep incoming CO₂ in a liquid state.

EXPLODED VIEW



PARTS LIST

ITEM	PN	MATL	DESCRIPTION	QTY	ITEM	PN	MATL	DESCRIPTION	QTY
2	30057	STL	Key (M6x6x25)	1	99	44031	SS	Retainer, Plunger	3
5	92538	S	Screw, HHC Sems (M6 x 16)	8	100	701765	SS	Retainer, Seal	3
8	43344	AL	Covering, Bearing	1	106	50100	PTFC	Seal, LPS	3
10	43343	NBR	O-Ring, Bearing Cover - 70D	2	120	45680	SS	Case, Seal	3
11	43222	NBR	Seal, Oil, Crankshaft	1	121	11719	FPM	O-Ring, Seal Case	3
15	14480	STL	Bearing, Ball	2	125	50102	PTFC	Seal, HPS	3
20	45883	HS	Rod, Connecting Assy	3	139	45156	SS	Plug, Inlet [1/2"NPT(M)]	1
25	701430	FCM	Crankshaft, Single End (M4)	1	162	48361	D	Back-up-Ring, Seat	6
30	44949	AL	Cover, Blind	1	163	44938	FPM	O-Ring, Seat - 70D	6
31	828710	PE	Protector, Oil Cap w/Polyurethane Gasket	1	164	44128	SS	Seat	6
32	43211	ABS	Cap, Oil Filler	1	166	44057	SS	Valve	6
33	14177	NBR	O-Ring, Oil Filler Cap - 70D	1	167	44056	SS	Spring	6
37	92241	—	Gauge, Oil, Bubble w/Gasket	1	168	44565	PVDF	Retainer, Spring	6
38	44428	NBR	Gasket, Flat, Oil Gauge	1	171	44832	S	Spring, Coil	6
40	92542	S	Screw, HHC Sems (M6 x 20)	4	172	15855	FPM	O-Ring, Valve Plug - 70D	6
48	25625	STCP	Plug, Drain (1/4" x 19BSP)	1	174	49296	SS	Plug, Valve	6
49	23170	NBR	O-Ring, Drain Plug - 70D	1	185	45151	SS	Head, Manifold	1
50	48772	AL	Cover, Rear	1	186	15847	S	Lockwasher (M10)	2
51	48773	NBR	O-Ring, Rear Cover - 70D	1	188	87950	S	Screw, HSH Sems (M10 x 35)	2
53	48769	AL	Crankcase	1	260	30611	STZP R	Mount, Rail Assembly	1
64	43351	CM	Pin, Crosshead	3	275	30944	STL	Hub, "H" (20mm w/keyway) (Not Shown)	1
65	45256	SSZZ	Rod, Plunger	3	300	702507	FPM *	Kit, Seal (Incls: 97, 106, 121, 125)	1
70	43228	NBR	Seal, Oil, Crankcase	3	310	34152	FPM	Kit, Valve Preassembled (Incls: 162-164, 166-168, 172)	2
88	45697	S	Washer, Keyhole (M18 x 10)	3	—	6107	—	Oil, Bottle (21 oz.) ISO-68 Hydraulic	1
90	43367	CC	Plunger (M20 x 72)	3				(Fill to specified crankcase capacity prior to start-up)	
95	89653	SS	Stud, Plunger (M6 x 58)	3					
96	43235	PTFE	Backup-ring, Plunger Retainer	3					
97	14160	FPM	O-Ring, Plunger Retainer - 80D	3					
98	44041	SS	Gasket, Plunger Retainer	3					

Italics are optional items. [] Date of latest production change.

**Review individual parts in each kit for material code identification. Italics are optional items. R Components comply with RoHS Directive.*

See Tech Bulletins 003, 024, 036, 074, and 083.

MATERIAL CODES (Not Part of Part Number):

ABS=ABS Plastic AL=Aluminum CC=Ceramic CM=ChromeMoly D=Acetal FCM=Forged Chrome-Moly FPM=Fluorocarbon HS=High Strength NBR=Medium Nitrile (Buna-N)
 NIH= High Nickle Alloy PE=Polyethylene PTFC=Pure Polytetrafluoroethylene - C type PTFE=Pure Polytetrafluoroethylene PVDF=Polyvinylidene Fluoride S=304SS SS=316SS
 SSZZ=316SS/Zamak STCP=Steel/Chrome Plated STL=Steel STZP=Steel/Zinc Plated

⚠ CAUTIONS AND WARNINGS

All High-Pressure Systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. 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.com/cautions-warnings or can be requested directly from Cat Pumps.

WARRANTY

View the Limited Warranty on-line at www.catpumps.com/warranty.



CAT PUMPS

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