

MODEL 1560M.CO₂



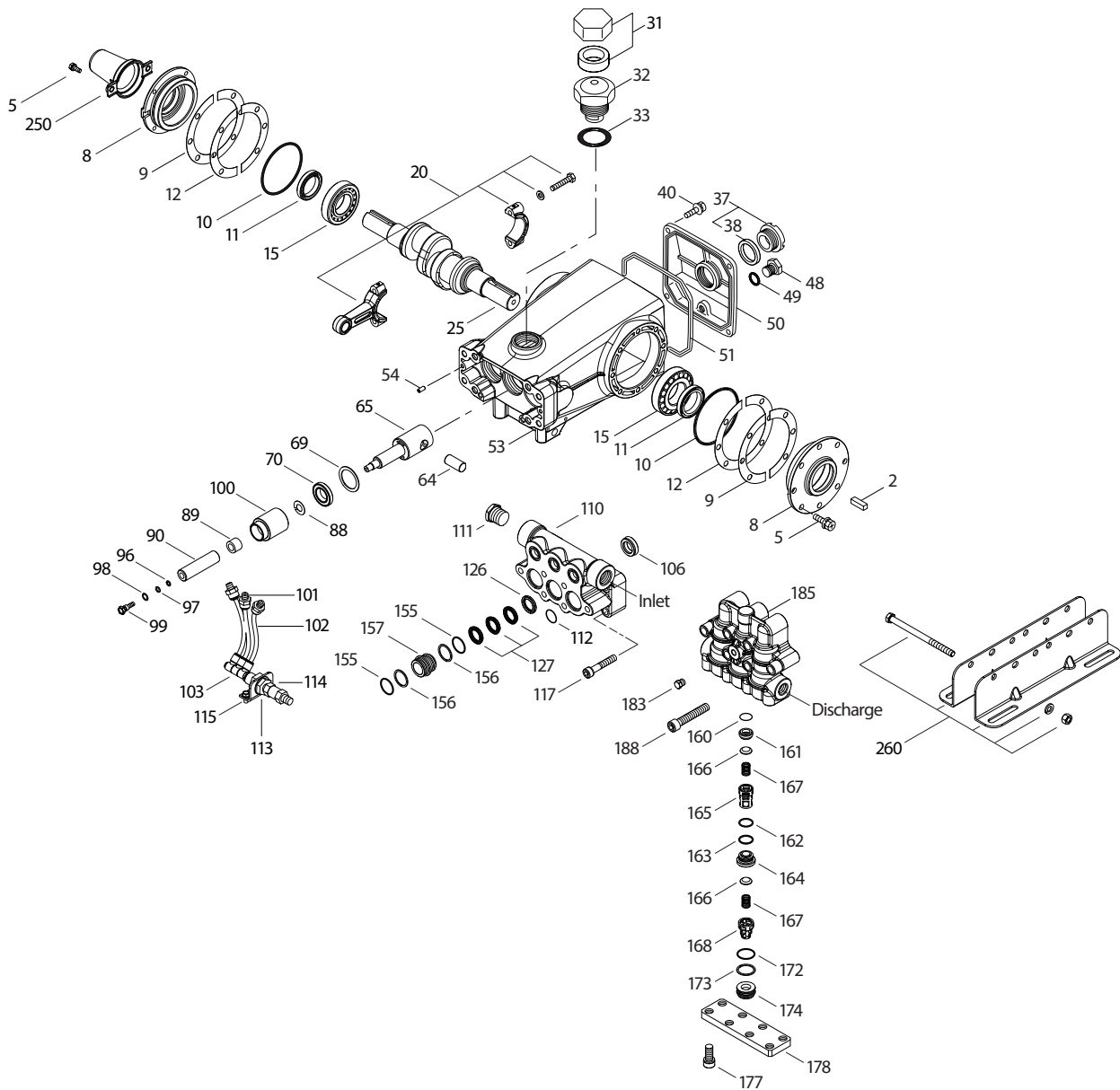
SPECIFICATIONS	U.S. Measure	Metric Measure
Flow	2.5 gpm	9.5 lpm
Pressure Range	400 – 4000 psi	27.5 – 275 bar
Pump RPM*	450	450
Inlet Pressure Range**	300 – 400 psi	21 – 27.5 bar
Min. Liquid Temperature**	-20° F	-29° C
Bore	0.787"	20 mm
Stroke	1.181"	30 mm
Crankcase Capacity	42 oz.	1.26 l

SPECIFICATIONS	U.S. Measure	Metric Measure
Inlet Ports (2)	¾" NPT(F)	¾" NPT(F)
Discharge Ports (2)	½" NPT(F)	½" NPT(F)
Shaft Diameter	1.181"	30 mm
Pulley Mounting	Either Side	Either Side
Weight	59.9 lbs.	27.2 kg
Dimensions	16.93 x 12.99 x 6.44"	430 x 330 x 163.5 mm

*Pump minimum is 100 RPM.

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

EXPLODED VIEW



(Parts List on Reverse Side)

October 2020

PARTS LIST

ITEM	PN	MATL	DESCRIPTION	QTY	ITEM	PN	MATL	DESCRIPTION	QTY
2	990036	STL	Key (M8 x 7 x 40) (Use With 990012 "B" Hub)	1	103	999491	PLM	Manifold	1
	30067	STL	key (M8 x 7.5 x 25) (Use With 30059 "H" Hub)	1	105	33937	SS	Valve, Check [1/4" NPT(M)]	1
5	126540	STCP R	Screw, HHC Sems (M8 x 20) (See Tech Bulletin 074, 128)	8	106	76071	ST2	Seal, LPS, with SS–Spring	3
8	134805	ALE	Covering, Bearing (See Tech Bulletin 118, 128)	2	110	49229	FBB	Manifold, Inlet	1
9	855043	FBR	Shim, Split 2-Piece (See Tech Bulletin 128)	0–2	111	20326	BBCP	Plug, Inlet [3/4" NTP(M)]	1
10	11340	NBR	O-Ring, Bearing Cover – 70D	2	112	14179	NBR	O-Ring, Inlet Manifold – 70D	3
11	43495	NBR	Seal, Oil, Crankshaft	2	113	34338	BB	Union [1/4" NPT(M)]	1
12	855044	S	Shim, Split 2-Piece (See Tech Bulletin 128)	0–2	114	34347	STZP	Bracket	1
15	39060	STL	Bearing, Roller	2	115	990776	STZP R	Screw, HHC (1/4" – 20 x 1/2")	2
20	76805	BZ	Assembly, Connecting Rod (See Tech Bulletin 074)	3	117	126515	STCP R	Screw, HSH (M10 x 55) (See Tech Bulletin 074)	4
25	43494	FCM	Crankshaft, Dual End (M30)	1	126	49231	BB	Adapter, Female	3
31	828710	PE	Protector, Oil Cap with Polyurethane Gasket	1	127	44607	STG	V-Packing	9
32	43211	ABS	Cap, Oil Filler	1	155	14176	NBR	O-Ring, Spacer, V/P – 70D	6
33	14177	NBR	O-Ring, Oil Filler Cap – 70D	1	156	49232	PTFE	Backup Ring, Spacer V/P	6
37	92241	PC	Gauge, Oil, Bubble with Gasket – 80D (See Tech Bulletin 074)	1	157	49230	BB	Spacer, V/P	3
38	44428	NBR	Gasket, Flat, Oil Gauge – 80D	1	160	49238	NBR	O-Ring, Seat, Inlet – 80D	3
40	126541	STCP R	Screw, HHC Sems (M6 x 20) (See Tech Bulletin 074)	4	161	49237	S	Seat, Inlet	3
48	25625	STCP	Plug, Drain (1/4" x 19BSP)	1	162	49235	PTFE	Backup Ring, Seat	3
49	23170	NBR	O-Ring, Drain Plug – 70D	1	163	49236	NBR	O-Ring, Seat, Discharge – 70D	3
50	133576	ALE	Cover, Rear (See Tech Bulletin 118)	1	164	49234	S	Seat, Discharge	3
51	44834	NBR	O-Ring, Rear Cover – 70D	1	165	49198	PVDF	Retainer, Spring, Inlet	3
53	134889	ALE	Crankcase (With Guide Pins) (See Tech Bulletin 118, 128)	1	166	48793	SS	Valve	6
54	27488	S	Pin, Guide	2	167	43751	S	Spring	6
64	763507	CM	Pin, Crosshead	3	168	49199	PVDF	Retainer, Spring, Discharge	3
65	76803	SBZ	Rod, Plunger	3	172	14176	NBR	O-Ring, Valve Plug – 70D	3
69	126596	STCP R	Washer, Oil Seal	3	173	49232	PTFE	Backup Ring, Valve Plug	3
70	43500	NBR	Seal, Oil, Crankcase	3	174	49239	BB	Plug, Valve	3
88	45675	S	Washer, Keyhole	3	177	126783	STCP R	Screw, HSH (M12 x 25) (See Tech Bulletin 074)	8
89	43505	BB	Spacer	3	178	49227	BB	Cover, Valve	1
90	43300	CC	Plunger (M20 x 77)	3	183	49462	BB	Plug, Pulsator Port [1/8" NPT(M)]	1
96	43235	PTFE	Backup Ring, Plunger Retainer	3	185	49197	FBB	Manifold, Discharge	1
97	17399	NBR	O-Ring, Plunger Retainer – 80D	3	188	126519	STCP R	Screw, HSH (M10 x 70) (See Tech Bulletin 074)	6
98	45891	CU	Gasket, Plunger Retainer	3	250	855046	NY	Protector, Shaft (See Tech Bulletin 128)	1
99	104360	S	Retainer with Stud, Plunger (See Tech Bulletin 074)	3	260	30613	STZP R	Mount, Rail Assembly	1
100	765001	AL	Retainer, Seal	3	300	76162	STHT	Kit, Seal (Includes: 97, 106, 112, 127, 155, 156)	1
101	999490	D	Adapter, 1/4"	3	310	31872	NBR	Kit, Valve Preassembled (Includes: 160 - 168, 172, 173)	1
102	999492	NY	Tubing, 1/4"	3	6107	—		Oil, Bottle (21 oz.) ISO-68 Hydraulic (Fill to specified crankcase capacity prior to start-up)	2

Italics are optional items. [] Date of latest production change. R Components comply with RoHS Directive.

* Review material codes for individual items (STG generally may be used as alternate). For additional technical information see www.catpumps.com/literature/tech-bulletins.

MATERIAL CODES (Not Part of Part Number): ABS=ABS Plastic AL=Aluminum ALE=Aluminum Epoxy BB=Brass BBCP=Brass/Chrome Plated BZ=Bronze CC=Ceramic CM=Chrome-moly
CU=Copper D=Acetal FBB=Forged Brass FBR=Fiber FCM=Forged Chrome-moly NBR=Medium Nitrile (Buna-N) NY=Nylon PC=Poly Carbonate PE=Polyethylene PLM=Unspecified Poly
PTFE=Pure Polytetrafluoroethylene PVDF=Polyvinylidene Fluoride S=304SS SBZ=304SS w/Bronze SS=316SS STCP=Steel/Chrome Plated ST2=Special PTFE 2 STG=Special Blend PTFE White
STHT=Special PTFE High Temp 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/dynamic-literature/cautions-and-warnings or can be requested directly from Cat Pumps.

WARRANTY

View the Limited Warranty on-line at www.catpumps.com/literature/cat-pumps-limited-warranty