

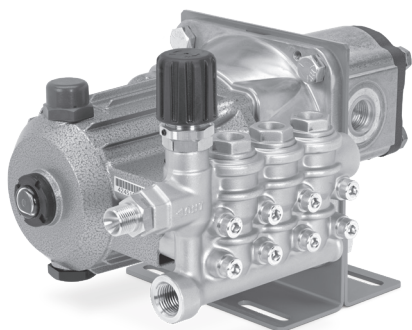
DATA SHEET

DIRECT DRIVE PLUNGER PUMP



**Brass Model
Assemblies:**

67DX40HUDHYD



FEATURES

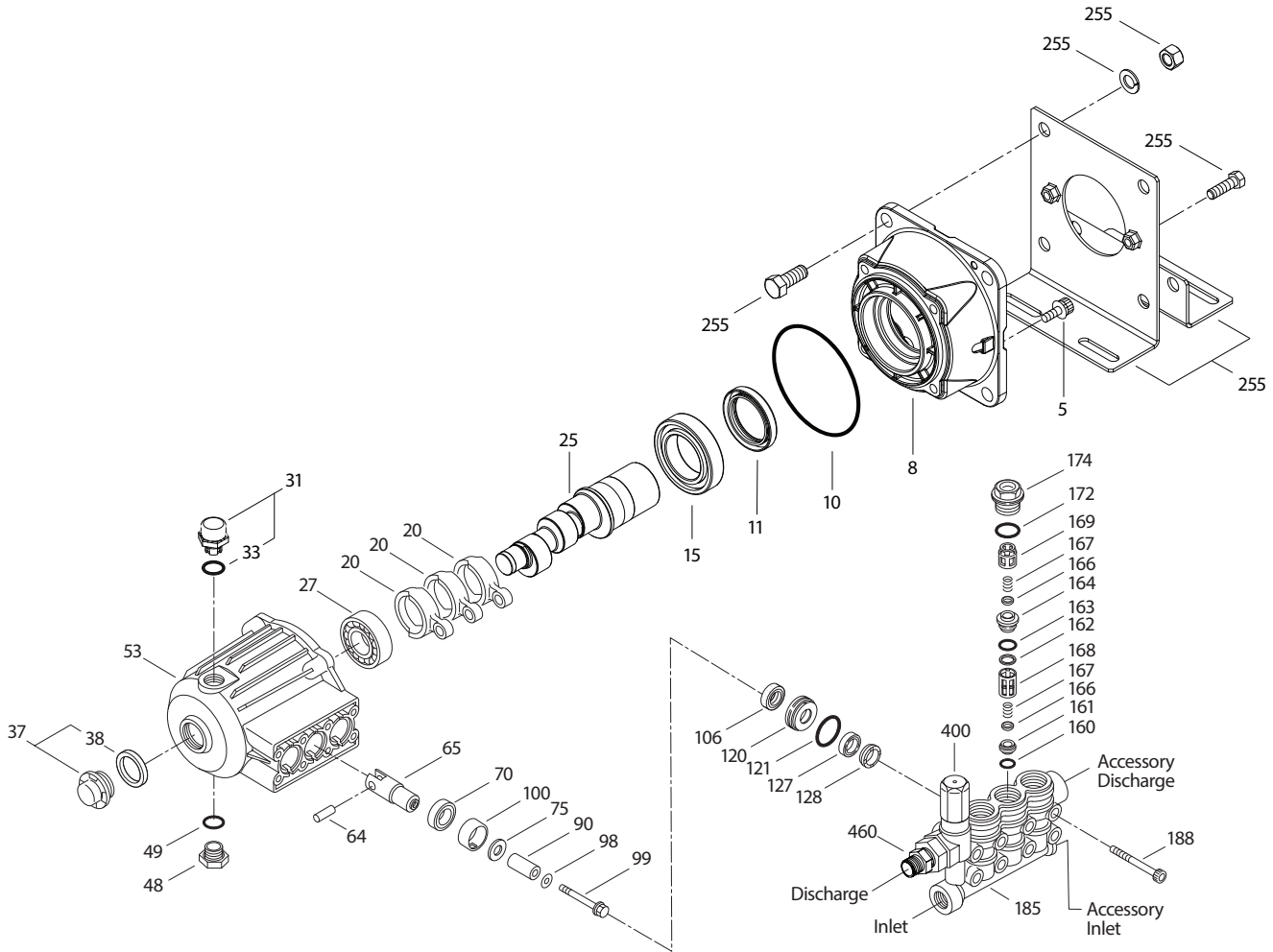
- High-Pressure pump is driven by a standard SAE "A" 2-bolt hydraulic motor.
- Compact, direct mounting minimizes space requirements.
- The integral unloader bypasses water internally when the downstream trigger is closed, or the maximum pressure setting is reached, ensuring effective pressure control and protecting the pump.
- Multiple accessory ports provide flexibility for plumbing options.
- Pump and unloader can be repaired in the field without special tools.
- Available either as a standalone pump or as a complete assembly with the motor.
- Includes pump crankcase oil.

SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.0 gpm	11.4 lpm
Pressure Range	3000–4000 psi	207–275 bar
Pump RPM	3200 rpm	3200 rpm
Inlet Pressure Range	Flooded to 60 psi	Flooded to 4.1 bar
Max. Liquid Temperature	140° F	60° C
Bore	0.551"	14 mm
Stroke	0.433"	11 mm
Crankcase Capacity	13.5 oz	0.4 l
Inlet Port	½" NPT(F)	½" NPT(F)
Discharge Port	¾" NPT(F)	¾" NPT(F)
Accessory Port (Inlet)	¼" NPT(F)	¼" NPT(F)
Accessory Port (Discharge)	¾" NPT(F)	¾" NPT(F)
Shaft Diameter	⅝"	15.8 mm
Weight (Pump Only)	20.5 lbs	9.3 kg
Weight (Pump and Motor Assembly)	28.0 lbs	12.7 kg
Dimensions	13.88 x 9.37 x 9.14"	353 x 238 x 232 mm

Above 140° F call Cat Pumps for inlet conditions and elastomer recommendations.

EXPLODED VIEW



PARTS LIST

ITEM	P/N	MATL	DESCRIPTION	QTY
5	127285	STCP R	Screw, HH, Sems (M8 x 25) (See Tech Bulletin 074)	4
8	134123	AL	Cover, Bearing	1
10	14043	NBR	O-Ring, Bearing Cover	1
11	134797	NBR	Seal, Oil, Crankshaft	1
15	134331	STL	Bearing, Ball, Inner	1
20	49364	TNM	Rod, Connecting	3
24	549608	LDPE	Plug, Oil Cap	1
25	31210	CM	Crankshaft, 5/8", (11 mm)	1
27	49363	STL	Bearing, Ball – Outer	1
31	549726	—	Cap, Vented with O-Ring (Rain Cap)	1
33	14179	NBR	O-Ring, Filler Cap	1
37	92241	PC	Gauge, Oil Bubble with Gasket (See Tech Bulletin 074)	1
38	44428	NBR	Gasket, Flat, Oil Gauge	1
48	44842	NY	Plug, Drain	1
49	14179	NBR	O-Ring, Drain Plug	1
53	49352	AL	Crankcase	1
64	49366	CM	Pin, Crosshead	3
65	49368	BB	Rod, Plunger	3
70	47215	NBR	Seal, Oil Crankcase	3
75	49370	S	Slinger, Barrier	3
90	49367	CC	Plunger (M14 x 28)	3
98	46730	NBR	Washer, Seal	3
99	49369	S	Retainer, Plunger (See Tech Bulletin 074)	3
100	49371	NY	Retainer, Seal	3

106	45188	NBR	Seal, Low-Pressure with S-Spring	3
120	49374	BB	Case, Seal	3
121	13977	NBR	O-Ring, Seal Case	3
127	49606	PTFE	V-Packing (Black)	3
128	49605	D	Adapter, Male	3
160	26129	NBR	O-Ring, Inlet Valve Seat	3
161	49378	S	Seat, Inlet	3
162	48361	D	Backup Ring, Discharge Seat	3
163	43358	NBR	O-Ring, Discharge Seat	3
164	49376	S	Seat, Discharge	3
166	547098	S	Valve	6
167	49354	S	Spring	6
168	49377	PVDF	Retainer, Spring, Inlet	3
169	547441	PVDF	Retainer, Spring, Discharge	3
172	49382	NBR	O-Ring, Valve Plug	3
174	49380	BB	Plug, Valve (See Tech Bulletin 074)	3
185	49372	BB	Head, Manifold	1
188	126512	STCP R	Screw, HSH (M8 x 65) (See Tech Bulletin 074)	8
255	76SAEA2.5SP	STL	Mount, 5SP, SAE-A	1
300	76262	NBR	Kit, Seal (Includes: 98, 106, 121, 127, 128)	1
310	76260	NBR	Kit, Valve Pre-Assembled (Includes: 160–164, 166, 167, 168, 169, 172)	1
400	—	—	Unloader, Integral (See Individual Parts)	1
460	126974	BB	Fitting, Discharge (3/8" NPT[M])	1
469	7367	BB	Injector, Chemical Fixed (2.1 mm)	1

Italics are optional items. R Components comply with RoHS Directive. For additional technical information see www.catpumps.com/literature/tech-bulletins

MATERIAL CODES (Not Part of Part Number): AL=Aluminum BB=Brass CC=Ceramic CM=Chrome-moly D=Acetal LDPE=Low Density Polyethylene

NBR=Medium Nitrile (Buna-N) NY=Nylon PC=Poly Carbonate PTFE=Pure Polytetrafluoroethylene PVDF=Polyvinylidene Fluoride

RTP=Reinforced Composite S=304SS STCP=Steel/Chrome Plated STL=Steel STZP=Steel/Zinc Plated TNM=Special High Strength

INTEGRAL UNLOADER

SPECIFICATIONS	U.S.	Metric
Flow	4.0 gpm	15.1 lpm
PSI Range	100–4000 psi	6.9–275 bar
Inlet Port	½" NPT(F)	½" NPT(F)
Discharge Port	¾" NPT(M)	¾" NPT(M)

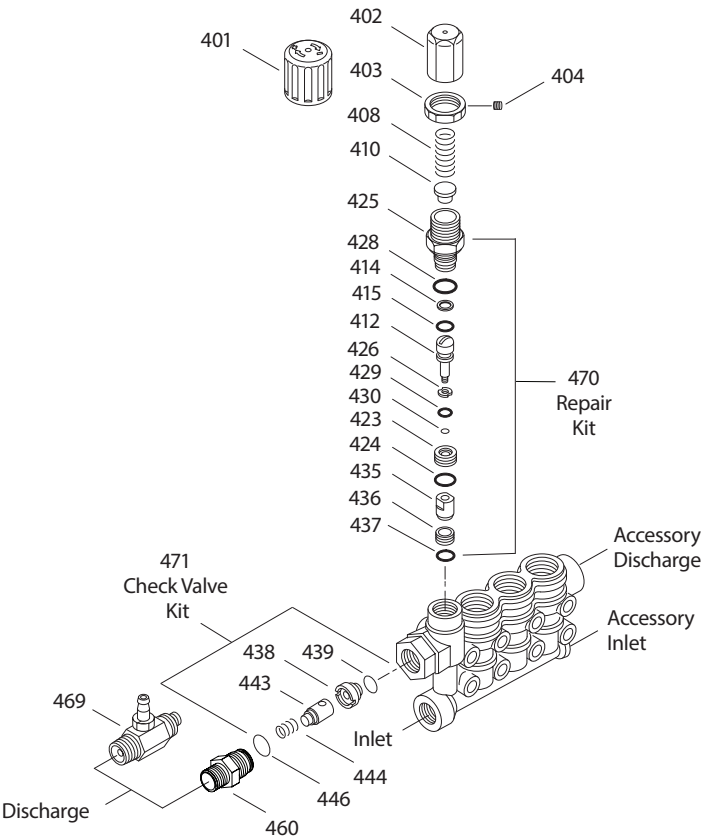
PARTS LIST

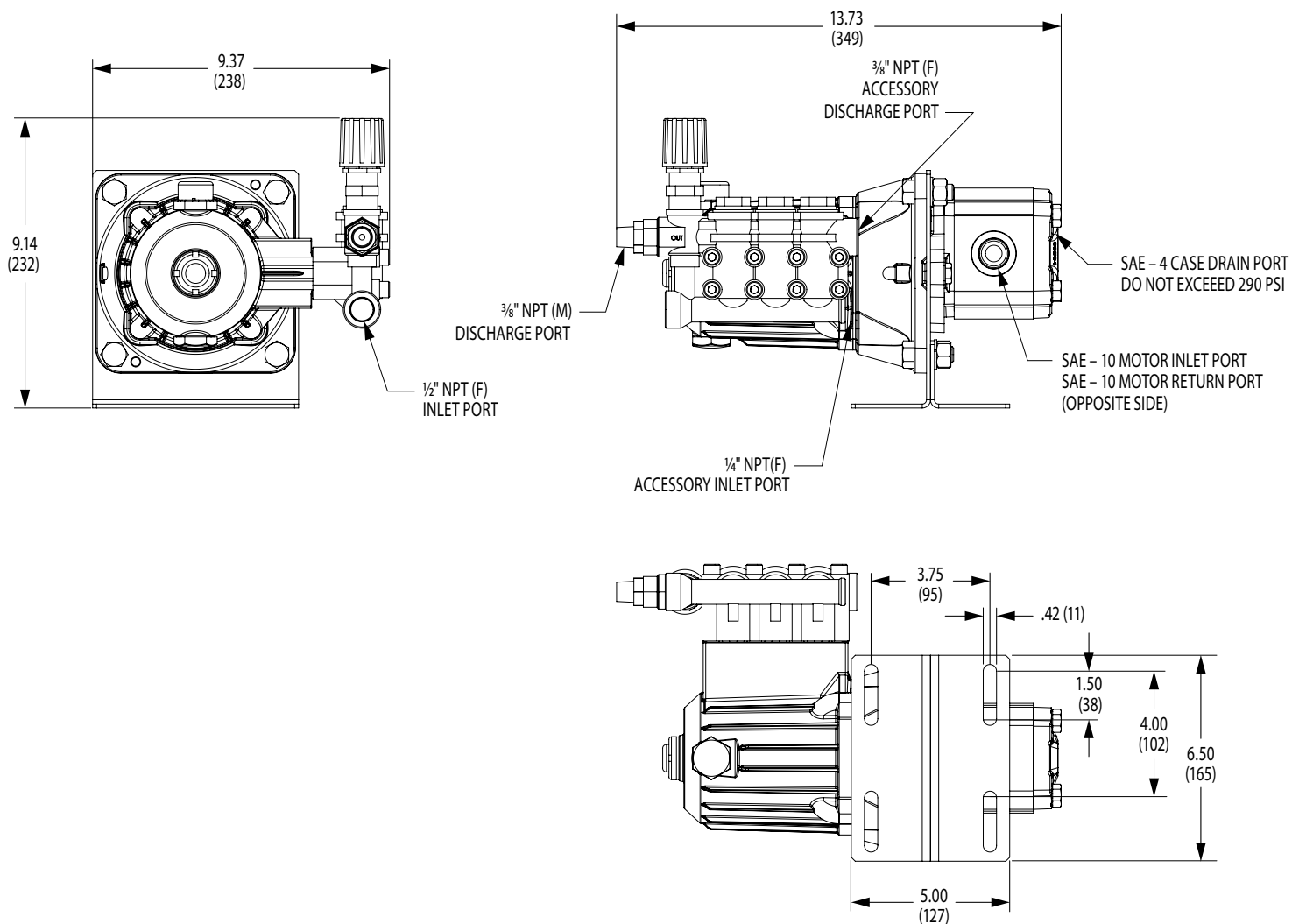
ITEM	P/N	MATL	DESCRIPTION	QTY
401	49100	NY	Handle, Adjusting (Black)	1
402	49099	BB	Cap, Adjusting	1
403	125521	BB	Nut, Locking (M25 x 1)	1
404	88953	S	Screw, Set (M4 x 4)	1
408	45198	ZP R	Spring, Pressure	1
410	49101	STZP R	Retainer, Spring	1
412	49103	S	Stem, Piston	1
414	129638	PTFE	Backup Ring, Piston Stem	1
415	49104	NBR	O-Ring, Piston Stem–90D	1
423	49105	BB	Retainer, Valve	1
424	49106	NBR	O-Ring, Valve Retainer–70D	1
425	49102	BB	Retainer, Piston	1
426	49107	S	Washer	1
428	26133	NBR	O-Ring, Piston Retainer–80D	1
429	22056	NBR	O-Ring, Valve Retainer–70D	1
430	49123	D	Backup Ring, Valve Retainer	1
435	49383	S	Valve/Ball Assembly	1
436	49384	S	Seat	1
437	13965	NBR	O-Ring, Seat–70D	1
438	49386	D	Seat, Check Valve	1
439	13963	NBR	O-Ring, Check Valve Seat–70D	1
443	49245	BB	Valve, Check with NBR O-Ring	1
444	117275	S	Spring, Check Valve	1
446	26133	NBR	O-Ring, Body–80D	1
460	126974	BB	Fitting, Discharge (¾" NPT(M))	1
468	76708	NBR	Kit, O-Ring (Includes: 414, 415, 424, 428, 429, 430, 437, 439, 446)	1
469	7367	BB	Injector, Chemical Fixed (2.1 mm)	1
470	31556	NBR	Kit, Repair (Includes: 412, 414, 415, 423–426, 428–430, 435–437)	1
471	76188	NBR	Kit, Check Valve (Includes: 438–446)	1

Italics are optional items. R Components comply with RoHS Directive.

MATERIAL CODES (Not Part of Part Number): BB=Brass D=Acetal NBR=Medium Nitrile (Buna-N) NY=Nylon PTFE=Pure Polytetrafluoroethylene S=304SS
STZP=Steel/Zinc Plated ZP=Zinc Plated

EXPLODED VIEW





HYDRAULIC REQUIREMENTS

Pump Flow And Pressure	67DX40HUDHYD With 0.68 in ³ Hydraulic Motor	
	Flow	Pressure
4 gpm at 3000 psi	10 gpm	2050 psi
4 gpm at 2000 psi	10 gpm	1550 psi

Hydraulic Motor Inlet/Discharge Ports	SAE-10
Hydraulic Motor Case Drain Port	SAE-4
Maximum Case Drain Pressure	290 psi

Alternative displacement motors are available upon request to meet existing hydraulic system capabilities.

⚠ CAUTIONS AND WARNINGS

All high-pressure systems require a primary pressure regulating device (e.g. regulator, unloader) and a secondary pressure relief device (e.g. 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 online at www.catpumps.com/literature/cat-pumps-limited-warranty