PUMP CAPACITY

Choosing The Right Pump And Cylinder

The Following guidelines are for general lifting and construction applications. Hydraulic tools, pullers and presses may fall outside these recommendations. Always check to see that the pump's "usable reservoir capacity" exceeds the cylinder(s) oil Capacity.

Generally Recommended	Marginal Check Requirements	Not Recommended for most applications

10,000 psi Maximum Working Pressure

			PRESSURE STAGE	CYLINDER CAPACITY (Tons) 5	10	15	20	25	30	55	75	100	150	200	300	400	500
Hand Pumps*	46	P12‡	Single	14	32	44	65	72	93								
	46	P55‡	Single	6	14	19	28	31	40	71							
	47	P19/ P19L	Low	4	8	10	15	17	21								
			High	13	30	42	59	68	86								
	47	P59F	Low	1.8	4.1	5.7	8	9	12	20	29						
			High	8	17	24	34	48	50	85	122						
	47	P59(L)‡	Low	1.5	3.2	4.7	7	7.7	9.7	16.7	23.9						
	48	P157‡	High	6	14	19	28	31	40	71	101						
	48	P159‡	Low	0.5	1	1.3	1.9	2.2	2.8	5	7	9	13	18			
	48	P300‡	High	7	15	21	30	34	43	77	110	143	200	250			
	48	P460‡	Low	0.1	0.3	0.6	0.6	0.7	0.9	1.5	2.2	2.8	4.2	5.6	8.4	11.2	
			High	3.3	7.7	9	14	17.5	22	37	55	71	105	143	213	284	
Electric/ Hydraulic Pumps†	68	PE10	Low	0.5	1.2	1.6	2.2	2.6	3.2	5.5							
			High	6	13.4	18.9	27	31	39	66.2							
	70	PE17‡	Low	0.2	0.5	0.7	0.9	1.1	1.4	2.3	3.3	4.3	6.5	8.7			
			High	3.5	7.9	10.9	16	18	23	39	56.3	73	109	146			
	72-73	PE18	Low	0.4	0.8	1.2	1.6	1.8	2.3	3.9	5.7	7.3	10.8	14.6	21.9	29.2	
			High	3.3	7.5	10.3	15	17	21	37	53	69	102	136	207	276	
	74-75	PE21‡	Low	0.2	0.5	0.7	1.0	1.1	1.4	2.5	3.6	4.6	6.8	9.2	13.8	18.4	
			High	2.8	6.4	9	13	15	19	32	45.5	59	88	118	177	236	
	76-77	PED25	Low	0.2	0.4	0.6	0.9	1.0	1.3	2.2	3.2	4.1	6.1	8.3	12.0	15.7	19.9
			High	2.4	5.4	7.5	10.6	12.4	15.6	26.5	38.2	49.5	73.6	99.1	144.3	188.5	238.6
	78-79	PE30‡	Low	0.2	0.45	0.6	0.9	1	1.3	2.2	3.2	4.1	6				
			High	2	4.5	6	9	10	13	22	32	41	60				
	80-81	PE46‡	Low	0.1	0.3	0.4	0.5	0.6	0.7	1.3	1.8	2.4	3.5	4.7	7.2	9.6	
			High	1.3	2.9	4.1	5.9	6.8	8.6	14	22	28	42	56	84	112	
	82-83	PE55‡	Low	0.1	0.2	0.3	0.4	0.4	0.6	0.9	1.4	1.8	2.6	3.5	5.4	7.2	
	84-85	PE60‡	High	1.1	2.4	3.4	4.8	5.6	7.1	12	17.8	23	34	45	69	92	
	86-87	PQ60	Low	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.3	1.7	2.5	3.4	5.1	6.8	8.5
			High	1	2.2	3.3	4.4	5.2	6.5	11	16.2	21	31	41	63	84	105
	88-89	PQ120	Low	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.3	1.7	2.5	3.4	5.1	6.8	8.5
			High	0.5	1.1	1.6	2.2	2.6	3.2	5.5	7.7	10	15	21	30	40	50
	90-91-	PE400	Low	0.1	0.1	0.2	0.2	0.3	0.3	0.6	8	1	1.5	2.1	3	4	5
			High	0.1	0.3	0.4	0.6	0.7	0.9	1.6	2.2	2.9	4.4	5.9	8.7	11.6	14.5
Air/ Hydraulic Pumps†	50-51	PA6‡	Single	10	22.4	31	44.4	51.3	65.2	-	-	-	-	-			
	54-55	PA9‡	Single	10	22.4	31	44.4	51.3	65.2	-	-	-	-	-			
	60-61	PA17‡	Low	0.2	0.5	0.7	0.9	1.1	1.4	2.3	3.3	4.3	6.5	8.7	-	-	
			High	3.5	7.9	10.9	16	18	23	39	56	73	109	146			
	62-63	PA46‡	Low	0.1	0.3	0.4	0.5	0.6	0.7	1.3	2	2.4	3.5	4.7	7.2	9.6	
			High	1.3	2.9	4.1	5.9	6.8	8.6	14	22	28	56	42	84	112	
	62-63	PA55‡	Low	0.1	0.3	0.4	0.6	0.7	0.9	1.5	2.2	2.8	4.1	5.5	8.4	11.2	
			High	1.1	2.4	3.4	4.8	5.6	7.1	12	18	23	34	45	69	92	
Gas/Hydraulic Pumps†	94-95	PG30	Low	0.3	0.7	1	1.3	1.6	2	3.3	4.8	6.2	9.3	12.4	18.1	-	
			High	2	4.5	6.3	8.9	10.3	13	22	31.8	41.3	61.4	83	121	-	
	94	PG55‡	Low	0.1	0.3	0.4	0.6	0.7	0.8	1.4	2	2.6	3.9	5.2	7.6	9.9	12.5
			High	1.1	2.5	3.5	4.9	5.6	7.1	12.1	17.3	22.5	33.5	45	66	86	109
	96-97	PG120‡	Low	0.1	0.3	0.4	0.6	0.7	0.8	1.4	2	2.6	3.9	5.2	7.6	9.9	12.5
			High	0.5	1.0	1.5	2.0	2.4	3.0	5.1	7.3	9.5	14.2	19.1	27.8	36.3	46.0
	96-97	PG400	Low	0.1	0.1	0.2	0.2	0.3	0.3	0.6	0.8	1.0	1.5	2.0	3.0	3.8	4.9
			High	0.2	0.3	0.5	0.7	0.8	1.0	1.7	2.4	3.1	4.6	6.2	9.0	11.8	15.0

‡ Some Power Team pumps are available in special configurations not listed in this catalog. Power Team can "Assemble to order" pumps with special seals, voltages, valves, relief valve settings, etc. For your special requirements please consult your local distributor or the Power Team factory.

* Hand Pumps = Number of strokes required to move piston 1".

† Air, Electric and Gasoline Engine/Hydraulic pumps = Number of seconds required to move piston 1".

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	Stroke (in.)	Re-tracted Height (in.)	Order No.	Page No.
2 ton pull	5	9 3/16	RP25	23
5 ton pull	5 1/2	11 7/8	RP55	23
5 Ton	9/16	1 5/8	RLS50	18
	1	4 3/8	C51C	15
	3 1/4	6 1/2	C53C	15
	5 1/4	8 1/2	C55C	15
	5 1/4	10 1/2	C55CBT	16
	7 1/4	10 3/4	C57C	15
	9 1/4	12 3/4	C59C	15
10 Ton	7/16	1 3/4	RLS100	18
	1	3 5/8	C101C	15
	1 1/2	3 1/2	RSS101	19
	2 1/8	4 3/4	C102C	15
	2 1/2	5 1/4	RH102	18
	4 1/8	6 3/4	C104C	15
	6 1/8	9 3/4	C106C	15
	6 1/8	11 1/2	C106CBT	16
	6 1/4	11 11/16	RD106	23
	8	11 5/16	RH108	20
	8 1/8	11 3/4	C108C	15
	10	15 11/16	RD1010	25
	10 1/8	13 3/4	C1010C	15
	10 1/8	15 1/2	C1010CBT	16
	12 1/8	15 3/4	C1012C	15
	14 1/8	17 3/4	C1014C	15
12 Ton	5/16	2 3/16	RH120	20
	1 5/8	4 13/16	RH121	20
	1 5/8	4 13/16	RH121T	20
	3	7 1/4	RH123	20
15 Ton	1	4 7/8	C151C	15
	2 1/8	5 7/8	C152C	15
	4 1/8	7 7/8	C154C	15
	6 1/8	10 11/16	C156C	15
	8 1/8	12 11/16	C158C	15
	10 1/8	14 11/16	C1510C	15
	12 1/8	16 11/16	C1512C	15
	14 1/8	18 11/16	C1514C	15
	16	20 9/16	C1516C	15
17.5 Ton	2	6 7/8	RT172	22
20 Ton	7/16	2	RLS200	18
	1 3/4	3 3/4	RSS202	19
	2	6 1/8	RH202	20
	2 1/8	6 3/8	RA202	17
	3	6 1/16	RH203	20
	4 1/8	8 3/8	RA204	17
	6	12 1/8	RH206	20
	6 1/8	10 3/8	RA206	17
25 Ton	1	5 1/2	C251C	15
	2	6 1/2	C252C	15
	4	8 1/2	C254C	15
	6 1/4	10 3/4	C256C	15
	6 1/4	13 3/8	C256CBT	16
	6 1/4	12 3/8	RD256	25
	8 1/4	12 3/4	C258C	15
25 Ton	10 1/4	14 3/4	C2510C	15
	12 1/4	16 3/4	C2512C	15
	14 1/8	18 3/4	C2514C	15
	14 1/8	21 3/8	C2514CBT	16
	14 1/8	20 3/8	RD2514	25
30 Ton	1/2	2 5/16	RLS300	18
	2 1/8	7 3/8	RA302	17
	2 7/16	4 5/8	RSS302	19
	2 1/2	6 1/4	RH302	20
	2 1/2	8 7/16	RT302	22
	3	7 1/16	RH303	21
	4 1/8	9 3/8	RA304	17
	5 7/8	11 1/8	RHA306	20
	6	9 3/4	RH306	20
	6	11 1/16	RH306D	21
	6 1/8	11 3/8	RA306	17
	10 1/8	17 1/4	RH3010	21
50 Ton	1/16	2 5/8	RLS500S	18
	2 3/8	5	RSS502	19
	3	7 1/8	RH503	20
	3	10 9/16	RT503	22
55 Ton	2	4 15/16	R552C	26
	2	6 3/8	R552L	32
	2	6 7/8	C552C	15
	2 1/8	6 3/4	RA552	17
	4 1/8	8 3/4	RA554	17
	4 1/4	9 1/8	C554C	15
	6	8 15/16	R556C	26
	6	10 3/8	R556L	32
	6 1/8	10 3/4	RA556	17
	6 1/8	12 1/2	RA556L	30
	6 1/4	11 1/8	C556C	15
	6 1/4	12 31/32	RD556	25
	10	12 15/16	R5510C	26
	10	14 3/8	R5510L	32
	10	15 1/8	RA5510	17
	10 1/4	15 1/8	C5510C	15
	13 1/8	19 27/32	RD5513	25
	13 1/4	18 1/8	C5513C	15
	18 1/8	25 7/8	RD5518	25
60 Ton	3	9 1/4	RH603	20
	4	9 1/2	RHA604D	21
	5	9 1/2	RH605	21
	6	12 1/2	RH606	20
	10 1/8	18 1/16	RH6010	21
75 Ton	5/8	3 1/8	RLS750S	18
	6 1/8	12 3/8	C756C	15
	13 1/8	19 3/8	C7513C	15
80 Ton	13 1/8	20 3/8	RD8013	25
100 Ton	5/8	3 3/8	RLS1000S	18
	1 1/2	5 11/16	RSS1002D	19
	1 1/2	6 1/2	RH1001	21
	2	5 1/2	R1002C	26
	2	6 41/64	R1002D	28
	2	7 1/4	R1002L	32
	2	8 5/8	C1002C	15
	2 1/8	7 3/4	RA1002	17
100 Ton	2 1/4	5 1/2	RSS1002	19
	3	10	RH1003	20
	4 7/8	15 1/8	RT1004	22
	6	9 1/2	R1006C	26
	6	10 41/64	R1006D	28
	6	11 1/4	R1006L	32
	6	12 3/8	RH1006	21
	6 1/4	11 3/4	RA1006	17
	6 1/4	13 3/8	RA1006L	30
	6 5/8	13 1/4	C1006C	15
	6 5/8	13 25/32	RD1006	25
	10	13 1/2	R10010C	*
	10	14 41/64	R10010D	28
	10	15 1/4	R10010L	32
	10 1/8	19 13/16	RH10010	21
	10 1/4	16 7/8	C10010C	15
	13 1/8	20 9/32	RD10013	25
	20 1/8	28 9/32	RD10020	25
150 Ton	9/16	4	RLS1500S	18
	2	6 3/8	R1502C	26
	2	7 7/16	R1502D	28
	2	8 1/8	R1502L	32
	5	12 1/8	RH1505	21
	6	10 3/8	R1506C	26
	6	11 7/16	R1506D	28
	6	12 1/8	R1506L	32
	6 5/8	14 7/8	RD1506	25
	8	13 3/4	RH1508	21
	10	14 3/8	R15010C	26
	10	15 7/16	R15010D	*
	10	16 1/8	R15010L	*
	13 1/8	21 3/8	RD15013	25
	18 1/8	26 17/32	RD15018	25
200 Ton	2	7 1/2	R2002C	26
	2	8 9/64	R2002D	28
	2	9 1/2	R2002L	32
	6	11 1/2	R2006C	26
	6	12 9/64	R2006D	28
	6	13 1/2	R2006L	32
	6 5/8	16	RD2006	25
	8	16 1/16	RH2008	21
	10	15 1/2	R20010C	*
	10	16 9/64	R20010D	28
	10	17 1/2	R20010L	*
	13 1/8	22 1/2	RD20013	25
	18 1/8	28 1/2	RD20018	25
250 Ton	3	11 7/16	RSS2503	19
280 Ton	2	7 1/2	R2802C	26
	2	9 13/64	R2802D	28
	2	9 3/4	R2802L	32
	6	11 1/2	R2806C	26
	6	13 13/64	R2806D	28
	6	13 3/4	R2806L	32
	10	15 1/2	R28010C	*
	10	17 13/64	R28010D	28
	10	17 3/4	R28010L	32
300 Ton	6	17 9/32	RD3006	25
	13	24 9/32	RD30013	25
355 Ton	2	9 1/8	R3552C	26
	2	11 1/2	R3552L	28
	2	15 3/8	R3552D	26
	6	12 5/8	R3556C	28
	6	15 1/2	R3556L	32
	6	17 21/32	R3556D	28
	10	17 1/8	R35510C	26
	10	19 1/2	R35510L	*
	10	21 21/32	R35510D	26
400 Ton	6	18 5/8	RD4006	25
	13	25 5/8	RD40013	25
430	2	10 3/8	R4302C	26
	2	12 5/16	R4302D	28
	6	14 3/8	R4306C	26
	6	16 5/16	R4306D	28
	10	20 5/16	R43010C	28
	10	20 53/64	R43010D	28
500 Ton	6	19 21/32	RD5006	25
	13	26 21/32	RD50013	25
565 Ton	2	11 1/2	R5652C	26
	2	14 5/8	R5652L	32
	2	16 19/32	R5652D	28
	6	15 1/2	R5656C	26
	6	18 5/8	R5656L	32
	6	20 19/32	R5656D	28
	10	19 1/2	R56510C	26
	10	22 5/8	R56510L	26
	10	24 19/32	R56510D	28
740-1220 Ton	2, 6, 10			27
	2, 6, 10			29
	2, 6, 10			32

*For these and special cylinder requirements, contact your local sales office.