

PISTON PUMPS

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TECHNICAL SPECIFICATIONS - CAPACITY

- NOTE: 1 Sizes provided below in relation to bore, stroke, suction, discharge and pulleys are in INCHES
 2 This information has been extracted from undated brochures from both Southern Cross and Forrers and combined for your information, reference and guidance only
 3 Piston Pumps will not be held responsible for any person's reliance on the data contained within this document

Pump Bore	Pump Stroke	Fittings		Strokes per minute	Pump Pulley RPM	Gallons per hour	Flat Pulley in inches	HP required at pump pulley for heads of:								
		Suction	Discharge					50 feet	100 feet	150 feet	200 feet	250 feet	300 feet	400 feet	500 feet	
1.5	x 1.75	1	0.75	-	230	290	13.5 x 1	0.25	0.33	0.5	-	-	-	-	-	-
1.75	x 1.75	1	0.75	-	210	400	13.5 x 1	-	0.5	0.75	-	-	-	-	-	-
2	x 2	1	1	100	300	263	12 x 2	0.25	0.25	0.25	0.33	0.5	0.75	0.75	0.75	1
				150	450	350		0.25	0.25	0.25	0.5	0.75	0.75	1	1.25	
				200	600	400		0.25	0.25	0.25	0.5	0.75	0.75	1	1.5	
2.5	x 3	1.25	1.25	50	250	300	12 x 2	0.33	0.33	0.5	0.75	0.75	-	-	-	-
				70	350	425		0.33	0.5	0.75	1	-	-	-		
				90	450	550		0.33	0.5	0.75	1	1.25	-	-		
				110	550	670		0.33	0.75	1	1.25	1.5	-	-		
Pump Bore	Pump Stroke	Fittings		Strokes per minute	Pump Pulley RPM	Gallons per hour	Flat Pulley in inches	HP required at pump pulley for heads of:								
		Suction	Discharge					150 feet	225 feet	250 feet	300 feet	400 feet	500 feet	600 feet	700 feet	
1.75	x 3	1	0.75	60	300	170	12 x 2	0.25	0.5	-	0.5	0.5	0.75	0.75	1	1
				80	400	230		0.5	0.5	0.5	0.75	1	1	1.5		
				105	525	300		0.75	0.75	1	1.25	1.25	1.5	2		
2.25	x 4	1.25	1.25	40	200	260	14 x 2.25	0.5	0.5	-	0.5	0.75	1	1	-	
				60	300	390		0.5	0.75	0.75	1	1.25	1.5	1.5		
				80	400	528		0.75	1	-	1.25	1.5	2	2.5		
2.5	x 5	1.25	1.25	50	260	500	14 x 2.25	0.7	1	-	1.3	1.7	2.1	-	-	
				70	365	710		0.9	1.4	-	1.8	2.4	3.1	-		
				80	420	820		1	1.6	-	2.1	2.7	3.5	-		
3	x 4	1.5	1.5	50	250	597	14 x 2.25	0.75	0.75	1	-	-	-	-	-	
				70	350	834		1	1.25	1.5	-	-	-	-		
				80	400	955		1.25	1.5	1.75	-	-	-	-		
3	x 5	1.5	1.5	45	236	660	16 x 4	0.75	1.4	1.5	1.25	1.75	2.25	-	-	
				60	315	890		1	1.7	2	1.75	2.25	3	-		
				75	404	1120		1.25	2	2.3	2	2.5	4	-		
AH3	3 x 5	1.5	1.5	50	260	730	16 x 4	2	2	2	2	3	4	5	-	
				60	315	890		2	2	2.5	3	4	5	6	-	
				60	315	890		2	2	2.5	3	4	5	6	-	
3.5	x 5	2	2	50	260	1010	16 x 4	1.5	2	2.5	2.75	3.5	4.5	-	-	
				60	315	1220		2.25	2.75	3.25	3.75	5	6	-		
				70	370	1425		2.5	3.25	4	4.5	5.75	7	-		
3	x 6	2.5	2.5	40	200	660	24 x 4	1.5	2	-	1.5	2	2.5	3	3.5	
				60	300	1000		2	3	2	3	3.75	5	6		
				70	350	1134		3	4	2.5	3.5	4.5	5	7		
4	x 5	2	2	50	260	1330	16 x 4	1.25	1.75	2.5	3	-	-	-	-	
				60	315	1600		1.75	2.25	3	4	-	-	-		
				70	370	1865		2.25	3	4	5	-	-	-		
5	x 5	2.5	2.5	50	260	2100	16 x 4	2.7	4	4	-	-	-	-		
				60	315	2625		3.2	4.8	6	-	-	-	-		
				70	370	2940		3.7	5.6	6.5	-	-	-	-		
4	x 6	2.5	2.5	40	245	1280	24 x 4	1.5	2	2.75	3	4.2	5	-		
				50	305	1600		2	3	3.75	4.5	6	7.5	-		
				60	365	1915		3	4	4.75	5.5	7.5	10	-		
5	x 6	3	3	40	245	2015	24 x 4	3.25	4.5	5.5	6	7.5	-	-		
				50	305	2520		4	5	6.5	7.5	9.5	-			
				60	365	3025		4.5	6	7.5	8.5	11.5	-			
5	x 8	3	3	30	150	1900	30 x 6	3	4	4.5	5	7.5	10	-		
				40	200	2550		3.5	4.5	5.5	6.5	8.5	12	-		
				60	300	3600		4	6	7	9	12	15	-		
6	x 6	4	4	40	245	2900	24 x 4	3.7	5.5	5.5	7.3	-	-	-		
				50	305	3630		4.6	6.8	7	9.1	-	-			
				60	365	4355		5.5	8.2	10	10.9	-	-			
6	x 8	4	4	25	125	2350	30 x 6	3	4	4.5	5	7.5	-			
				35	175	3250		4	5.5	7	8.5	11	-			
				55	275	4950		6	8.5	10	12.5	15	-			
8	x 8	4	4	25	125	4200	30 x 6	5	-	-	-	-	-			
				35	175	5900		7.5	-	-	-	-	-			
				45	225	7560		10	-	-	-	-	-			
6	x 10	4	4	30	150	3400	Min 30 x 6	4.5	6	7.5	8.75	12	15			
				40	200	4600		6	8	10	11.5	14	20			
				50	250	5700		7.5	10	11.5	12.5	15	20			
8	x 10	4	4	25	125	4700	Min 30 x 6	6	8	10	12	-	-			
				35	175	6600		8	11	13	16	-	-			
				45	225	9400		12	15	17.5	20	-	-			
10	x 10	6	6	20	100	6600	Min 30 x 6	8	11	-	-	-	-			
				30	150	9900		12.5	17	-	-	-	-			
				40	200	13200		15	20	-	-	-	-			