

Pump Tips

Suction Lift

Maximum theoretical suction lift for self-priming pumps is 25 feet sea level.

Hose Size

1. Best to use a hose that matches the pump size.
2. Larger suction hose will tend to overload engine but increase capacity.
3. Larger discharge reduces friction loss; no effect on pump.
4. Length of hose depends on vertical rise and hose size-generally limit to 500 ft. or 50 ft. for diaphragm pumps.

Pressure:

1 psi=2.31 of head. A pump that has a maximum head capacity of 100 ft. will develop 43 psi (100'=43.3 psi divided by 2.31)

Pump Performance

1/12"	2"	3"	4"	6"	2"	3"	4"	6"	2"	3"	1¼"	1½"	2"	3"
90	130	340	700		170	330	590	1200	27	73	33	50	83	300
85	117	330	680	1500	164	310	585	1195	25	68	25	45	75	280
70	115	320	670	1480	164	305	580	1180	22	64		40	60	270
60	105	315	660	1430	164	300	575	1175	20	56			20	260
42	92	290	640	1350	160	275	560	1160						245
22	75	225	585	1225	135	215	545	1150						180
15	40	212	535	1050	88	170	495	1120						160
10	30	165	465	800	40	88	430	950						130
	20	116	375	450		25	320	700						85
	10	60	250	100			100	450						50