

HDP 755 series, technical data

Performance parameters

Q [m³/h]*	Required power rating [kW]**						D	r.p.m.	
	355	400	450	500	560	630		n 1	n 2
	Operating pressure [bar]								
3,51	3000	2850	3000				28	1000	210
4,21	2550	2350	2650	3000				1000/1200	255
5,13	2100	2000	2250	2500	2850	3000		1200/1470	310
6,07	1800							1420/1730	365
5,54	1990	2080					35	1000	210
6,65	1640	1840	2070					1000/1200	255
8,11	1350	1530	1720	1910	2070			1200/1470	310
9,59	1150	1300	1460	1620	1820	2050		1420/1730	365

* At pressures over 2000 bar approx. 5% of the flow rate is lost due to the compressibility factor of water

7,32	1530	1590					40	1000	210
8,78	1250	1410	1590					1000/1200	255
10,70	1040	1170	1310	1460	1590			1200/1470	310
12,66	880	990	1120	1240	1390	1560		1420/1730	365

9,37	1200	1260					45	1000	210
11,24	990	1110	1260					1000/1200	255
13,69	820	920	1040	1150	1260			1200/1470	310
16,20	700	780	880	980	1100	1240		1420/1730	365
11,68	970	1020					50	1000	210
14,02	800	900	1020					1000/1200	255
17,09	660	750	840	930	1020			1200/1470	310
20,21	560	630	710	790	870	1000		1420/1730	365
14,29	800	840					55	1000	210
17,15	660	740	840					1000/1200	255
20,89	550	620	690	770	840			1200/1470	310
24,72	460	520	590	660	730	830		1420/1730	365
17,18	680	710					60	1000	210
20,62	550	620	710					1000/1200	255
25,13	460	520	580	650	710			1200/1470	310
29,72	390	440	490	550	620	690		1420/1730	365
20,38	570	600					65	1000	210
24,45	470	530	600					1000/1200	255
29,80	390	440	500	550	600			1200/1470	310
35,25	330	370	420	470	520	590		1420/1730	365
23,60	490	520					70	1000	210
28,36	410	460	520					1000/1200	255
34,55	340	380	430	470	520			1200/1470	310
40,88	280	320	360	400	450	510		1420/1730	365
27,13	430	450					75	1000	210
32,55	350	400	450					1000/1200	255
39,67	290	330	370	410	450			1200/1470	310
46,93	250	280	320	350	390	440		1420/1730	365
30,86	380	400					80	1000	210
37,04	310	350	400					1000/1200	255
45,14	260	290	330	360	400			1200/1470	310
53,39	220	250	280	310	350	390		1420/1730	365

39,07	300	310					90	1000	210
46,88	240	280	310					1000/1200	255
57,13	200	230	260	290	310			1200/1470	310
67,58	170	190	220	240	270	310		1420/1730	365
48,23	240	250					100	1000	210
57,87	200	220	250					1000/1200	255
70,52	160	180	210	230	250			1200/1470	310
83,45	140	160	180	200	220	250		1420/1730	365
58,36	200	210					110	1000	210
70,03	160	185	210					1000/1200	255
85,33	135	155	175	190	210			1200/1470	310
100,95	115	130	145	160	180	205		1420/1730	365
69,44	170						120	1000	210
83,33	135	155	175					1000/1200	255
101,55	115	130	145	160	175			1200/1470	310
120,14	95	110	125	135	155	175		1420/1730	365

- Rod force: 200 kN
- Stroke: 100 mm
- Mean piston speed at n₂
 210 r.p.m. = 0,70 m/sec
 255 r.p.m. = 0,85 m/sec
 310 r.p.m. = 1,03 m/sec
 365 r.p.m. = 1,22 m/sec



Pump head in "High Flow" design for piston diameters of 90 mm and above

Conversion table
 Rating 1 kW = 1.34 HP
 Op. pressure 1 bar = 14.5 psi
 Flow rate 1 l = 0.264 US gallon
 1 l = 0.22 Imp. gallon

* m³/hr. = Water as measurement fluid
 Flow rates can vary with type of medium
 ** Electric motor

D = Piston/Plunger dia. [mm]
 n1 = Motor/Engine r.p.m. [1/min]
 n2 = Crankshaft r.p.m. [1/min]

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