

Theoretical Output Table of Cylinder

Unit :Mpa(kgf/cm²)

Bore Size (mm)	Vertical Operation Operating Pressure MPa(kgf/cm ²)				
	0.3 {3.1}	0.4 {4.1}	0.5 {5.1}	0.6 {6.1}	0.7 {7.1}
6	0.43	0.57	0.71	0.85	0.99
10	1.18	1.57	1.97	2.36	2.75
12	1.70	2.26	2.83	3.39	4.00
16	3.02	4.02	5.05	6.05	7.05
20	4.71	6.30	7.85	9.40	11.0
25	7.35	9.80	12.3	14.7	17.2
32	12.1	16.1	20.1	24.2	28.2
40	18.9	25.2	31.4	37.7	44.0
50	29.5	39.3	49.1	58.5	68.5
63	46.8	62.5	78.0	93.5	109
80	75.5	101	126	151	176
100	118	157	197	236	275
125	184	246	308	368	430
140	231	308	385	462	539
160	302	402	503	603	704
180	382	509	636	764	891
200	471	629	786	943	1100
250	737	982	1227	1473	1718
300	1061	1414	1767	2121	2474
Bore Size (mm)	Horizontal Operation Operating Pressure MPa(kgf/cm ²)				
	0.3 {3.1}	0.4 {4.1}	0.5 {5.1}	0.6 {6.1}	0.7 {7.1}
6	0.85	1.13	1.41	1.70	1.98
10	2.36	3.14	3.93	4.71	5.50
12	3.39	4.52	5.65	6.78	7.91
16	6.03	8.04	10.1	12.1	14.1
20	9.42	12.6	15.7	18.8	22.0
25	14.7	19.6	24.5	29.4	34.4
32	24.1	32.2	40.2	48.3	56.3
40	37.7	50.3	62.8	75.4	88.0
50	58.9	78.5	98.2	117	137
63	93.5	125	156	187	218
80	151	201	251	302	352
100	236	314	393	471	550
125	368	491	615	736	859
140	462	616	770	924	1078
160	603	804	1005	1206	1407
180	763	1018	1272	1527	1781
200	942	1257	1571	1885	2199
250	1473	1963	2454	2945	3436
300	2121	2827	3534	4241	4948

Note. 1) Above data indicate the output at piston speed 50~500mm/s.

Note. 2) The actual output of vertical operation are 50% of theoretical output.

Note. 3) The actual output of horizontal operation are same as theoretical output.