

CLS-series, single-acting high tonnage cylinders



- Lowest collapsed height for use in confined spaces
- Single-acting, load return
- Special synthetic coating for improved corrosion resistance and lower friction for smoother operation
- Overflow port functions as a stroke limiter
- Interchangeable, hardened grooved saddles are standard
- CR-400 coupler and dust cap included on all models
- Plunger wiper reduces contamination, extending cylinder life
- Higher capacities: 1500 and 2000 ton models available on

Cylinder Capacity	Stroke	Model Number	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extended Height	Outside Diameter	Weight
ton (kN)	mm		cm ²	cm ³	mm	mm	mm	kg
50 (496)	50	CLS-502	70,9	355	128	178	125	14
	100	CLS-504	70,9	709	178	278	125	18
	150	CLS-506	70,9	1064	228	378	125	23
	200	CLS-508	70,9	1418	278	478	125	28
	250	CLS-5010	70,9	1773	328	578	125	33
	300	CLS-5012	70,9	2127	378	678	125	38
100 (929)	50	CLS-1002	132,7	664	143	193	165	24
	100	CLS-1004	132,7	1327	193	293	165	32
	150	CLS-1006	132,7	1991	243	393	165	40
	200	CLS-1008	132,7	2654	293	493	165	49
	250	CLS-10010	132,7	3318	343	593	165	58
	300	CLS-10012	132,7	3981	393	693	165	66
150 (1390)	50	CLS-1502	198,6	993	165	215	205	43
	100	CLS-1504	198,6	1986	215	315	205	55
	150	CLS-1506	198,6	2979	265	415	205	69
	200	CLS-1508	198,6	3972	315	515	205	82
	250	CLS-15010	198,6	4965	365	615	205	95
	300	CLS-15012	198,6	5958	415	715	205	108
200 (1859)	50	CLS-2002	265,6	1330	193	243	235	66
	150	CLS-2006	265,6	3989	293	443	235	101
	300	CLS-20012	265,6	7977	443	743	235	154
250 (2562)	50	CLS-2502	366,1	1832	193	243	275	90
	150	CLS-2506	366,1	5496	293	443	275	137
	300	CLS-25012	366,1	10996	443	643	275	208
300	50	CLS-3002	456,2	2281	235	285	310	137

(3193)	150	CLS-3006	456,2	6843	335	485	310	198
	300	CLS-30012	456,2	13710	485	785	310	288
400 (3919)	50	CLS-4002	559,9	2800	265	315	350	200
	150	CLS-4006	559,9	8399	365	515	350	275
	300	CLS-40012	559,9	16770	515	815	350	390
500 (5118)	50	CLS-5002	731,1	3656	295	345	400	289
	150	CLS-5006	731,1	10967	395	545	400	390
	300	CLS-50012	731,1	21900	545	845	400	540
600 (5983)	50	CLS-6002	854,8	4277	310	360	430	350
	150	CLS-6006	854,8	12830	410	560	430	465
	300	CLS-60012	854,8	25710	560	860	430	640
800 (8238)	50	CLS-8002	1176,9	5882	355	405	505	549
	150	CLS-8006	1176,9	17645	455	605	505	709
	300	CLS-80012	1176,9	35370	605	905	505	950
1000 (10260)	50	CLS-10002	1466,4	7329	385	435	560	729
	150	CLS-10006	1466,4	21986	485	635	560	921
	300	CLS-100012	1466,4	43950	635	935	560	1210

Models above 150 ton are also available with standard stroke lengths of 100, 200 and 250 mm.