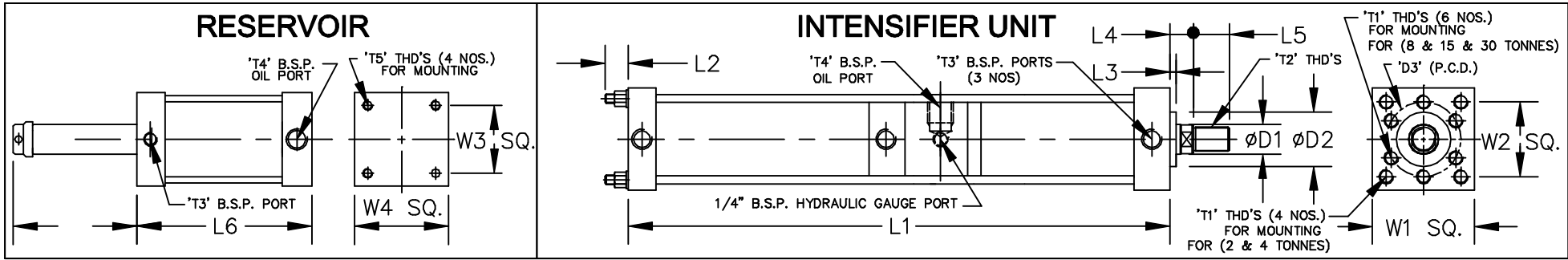


GRAVITY SERIES 'CHP' HYDRO PNEUMATIC CYLINDER FOR PET MACHINE



Model No.	Tonnage	Total Stroke	Power Stroke	L1	L2	L3	L4	L5	L6	L7	D1	D2	D3	W1	W2	W3	W4	T1	T2	T3	T4	T5	Q(NL) Free Air Consumed/Cycle
CHP-02-100-03	02	100	03	401	15	5	19	30	210	150	25.4	45	-	78	55	52	65	M12 X 1.75	M20 X 1.5	G1/4	G1/2	M8 X 1.25	3.5
CHP-02-150-03	02	150	03	451	15	5	19	30	260	200	25.4	45	-	78	55	52	65	M12 X 1.75	M20 X 1.5	G1/4	G1/2	M8 X 1.25	4.7
CHP-02-200-03	02	200	03	501	15	5	19	30	310	250	25.4	45	-	78	55	52	65	M12 X 1.75	M20 X 1.5	G1/4	G1/2	M8 X 1.25	6.0
CHP-02-250-03	02	250	03	551	15	5	19	30	360	300	25.4	45	-	78	55	52	65	M12 X 1.75	M20 X 1.5	G1/4	G1/2	M8 X 1.25	7.2
CHP-04-100-03	04	100	03	433	20	5	22	35	227	156	31.75	55	-	108	78	71.5	92	M16 X 2	M24 X 2	G1/4	G3/4	M10 X 1.5	10.9
CHP-04-150-03	04	150	03	483	20	5	22	35	277	206	31.75	55	-	108	78	71.5	92	M16 X 2	M24 X 2	G1/4	G3/4	M10 X 1.5	13.1
CHP-04-200-03	04	200	03	533	20	5	22	35	327	256	31.75	55	-	108	78	71.5	92	M16 X 2	M24 X 2	G1/4	G3/4	M10 X 1.5	15.3
CHP-04-250-03	04	250	03	583	20	5	22	35	377	306	31.75	55	-	108	78	71.5	92	M16 X 2	M24 X 2	G1/4	G3/4	M10 X 1.5	17.5
CHP-08-100-03	08	100	03	472	30	5	24	35	222	144	50.8	75	105	145	-	100	128	M16 X 2	M36 X 2	G1/2	G3/4	M12 X 1.75	21.0
CHP-08-150-03	08	150	03	522	30	5	24	35	272	194	50.8	75	105	145	-	100	128	M16 X 2	M36 X 2	G1/2	G3/4	M12 X 1.75	24.5
CHP-08-200-03	08	200	03	572	30	5	24	35	322	244	50.8	75	105	145	-	100	128	M16 X 2	M36 X 2	G1/2	G3/4	M12 X 1.75	28.5
CHP-08-250-03	08	250	03	622	30	5	24	35	372	294	50.8	75	105	145	-	100	128	M16 X 2	M36 X 2	G1/2	G3/4	M12 X 1.75	32.5
CHP-15-100-03	15	100	03	495	35	5	25	35	252	167	62.3	90	125	182	-	130	168	M20 X 2.5	M40 X 2	G1/2	G1	M16 X 2	41.3
CHP-15-150-03	15	150	03	545	35	5	25	35	302	217	62.3	90	125	182	-	130	168	M20 X 2.5	M40 X 2	G1/2	G1	M16 X 2	48.3
CHP-15-200-03	15	200	03	595	35	5	25	35	352	267	62.3	90	125	182	-	130	168	M20 X 2.5	M40 X 2	G1/2	G1	M16 X 2	57.7
CHP-15-250-03	15	250	03	645	35	5	25	35	402	317	62.3	90	125	182	-	130	168	M20 X 2.5	M40 X 2	G1/2	G1	M16 X 2	67.3
CHP-30-100-03	30	100	03	508	40	5	26	40	248	167	62.3	90	150	205	-	140	175	M24 X 3	M48 X 3	G1/2	G1	M16 X 2	47.0
CHP-30-150-03	30	150	03	558	40	5	26	40	298	217	62.3	90	150	205	-	140	175	M24 X 3	M48 X 3	G1/2	G1	M16 X 2	56.0
CHP-30-200-03	30	200	03	608	40	5	26	40	348	267	62.3	90	150	205	-	140	175	M24 X 3	M48 X 3	G1/2	G1	M16 X 2	90.0
CHP-30-250-03	30	250	03	658	40	5	26	40	398	317	62.3	90	150	205	-	140	175	M24 X 3	M48 X 3	G1/2	G1	M16 X 2	109.0

TO CALCULATE COMPRESSOR POWER CAPACITY
 1 H.P. = 120 Litres of free air (NL) per minute at 5 bar.
 N = Number of cycles per minute.
 Q = Free air consumed per cycle (From chart) in normal litres (NL).
 POWER REQUIRED = $\frac{Q \times N}{120}$ (H.P) OR $\frac{Q \times N}{120} \times 0.746$ (KW)

	Output Forces (Kgf.) at Inlet Air Pressure of 5 Bars				
Tonnage	2T	4T	8T	15T	30T
Approach	100	230	400	750	925
Power	2000	4200	8000	15000	20000
Return	75	200	300	575	775

USE HYDRAULIC OIL ONLY
 HYDROL-32 (Bharat Petroleum)
 SERVO SYSTEM-32 (Indian Oil Corporation)
 ENKLO-32 (Hindustan Petroleum)

