



TCRM Air Chain Hoist with Air Powered Trolley

Models TCR Hoist and MCR Trolley

Specifications and Dimensions

Purpose:

To provide dimension and specification information for a TCRM model air chain hoist equipped with an air powered trolley.

Imperial Specifications:

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Traversing Speed (ft/min)	Air Consumption Rates (cfm @ 90 psi)			Flange Width Adjustability B (in)	Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load		TCR		MCR					
							No Load	Full Load	No Load					
1/4	TCRM250P	10	7.4	68 / 44	52/51	65	63 / 49	48 / 57	53	2.28 to 5.00	137.8	6.3 x 1	170	0.6
1/2	TCRM500P			68 / 44	37 / 57		63 / 49	48 / 57	53			6.3 x 1	170	0.6
1	TCRM1000P2			34 / 22	19 / 29		63 / 49	48 / 57	53			6.3 x 2	183	1.2
1	TCRM1000P			37 / 22	21 / 33		62 / 53	53 / 60	53			7.1 x 1	209	0.8
2	TCRM2000P2			18.5 / 11	11 / 16		62 / 53	53 / 60	53	3.94 to 6.02	51.2	7.1 x 2	254	1.5
3	TCRM3000P			18 / 11	10 / 15		90 / 65	71 / 74	53			11.2 x 1	254	2.0
6	TCRM6000P2			9 / 5	5 / 7		90 / 65	71 / 74	53			4.92 to 7.02	78.7	11.2 x 2

Imperial Dimensions:

Cap. (Tons)	Product Code	Headroom C (in)	b (in)	b' (in)	d (in)	e (in)	e' (in)	g (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	TCRM250P	19.3	12.4	15.6	10.3	6.2	3.7	1.2	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1/2	TCRM500P	19.3	12.4	15.6	10.3	6.2	3.7	1.2	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1	TCRM1000P2	21.5	12.4	15.6	10.3	6.2	3.7	1.2	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1	TCRM1000P	19.5	12.4	15.6	10.3	6.2	3.7	1.2	3.7	0.9	4.8	4.6	4.4	2.0	1.2
2	TCRM2000P2	23.3	13.4	17.4	10.5	6.9	3.9	1.2	4.9	1.3	5.0	5.1	5.5	2.8	1.7
3	TCRM3000P	21.8	13.4	17.4	10.5	6.9	3.9	1.3	4.9	1.4	5.0	5.1	5.5	2.8	1.7
6	TCRM6000P2	25.9	15.7	19.8	10.8	8.1	4.3	1.7	5.5	1.4	5.5	5.7	6.1	3.9	2.3

Metric Specifications:

Cap. (Tons)	Product Code	Standard Lift (m)	Push Button Hose L (m)	Up/Down Speeds (m/min @ 0.6 MPa)		Traversing Speed (m/min)	Air Consumption Rates (cubic m/min @ 0.6 MPa)			Flange Width Adjustability B (mm)	Minimum Allow. Radius for Curve (mm)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (kg)	Weight for Additional One Meter of Lift (kg)
				No Load	Full Load		TCR		MCR					
							No Load	Full Load	No Load					
1/4	TCRM250P	3.0	2.3	20.5 / 13.5	16 / 15.5	20	1.8 / 1.4	1.4 / 1.6	1.5	58 to 127	3500	6.3 x 1	77	0.9
1/2	TCRM500P			20.5 / 13.5	11.5 / 17.5		1.8 / 1.4	1.4 / 1.6	1.5			6.3 x 1	77	0.9
1	TCRM1000P2			10.25 / 6.75	5.75 / 8.75		1.8 / 1.4	1.4 / 1.6	1.5			6.3 x 2	83	1.8
1	TCRM1000P			11.25 / 6.75	6.5 / 10		1.8 / 1.5	1.5 / 1.7	1.5			7.1 x 1	95	1.2
2	TCRM2000P2			5.75 / 3.25	3.5 / 5		1.8 / 1.5	1.5 / 1.7	1.5	100 to 153	1300	7.1 x 2	115	2.2
3	TCRM3000P			5.5 / 3.25	3 / 4.5		2.6 / 1.8	2.0 / 2.1	1.5			11.2 x 1	115	3.0
6	TCRM6000P2			2.75 / 1.75	1.5 / 2.25		2.6 / 1.8	2.0 / 2.1	1.5			125 to 178	1999	11.2 x 2

Metric Dimensions:

Cap. (Tons)	Product Code	Headroom C (mm)	b (mm)	b' (mm)	d (mm)	e (mm)	e' (mm)	g (mm)	i (mm)	j (mm)	k (mm)	m (mm)	n (mm)	r (mm)	t (mm)
1/4	TCRM250P	490	315	397	262	157	94	30	95	24	122	121	111	52	31
1/2	TCRM500P	490	315	397	262	157	94	30	95	24	122	121	111	52	31
1	TCRM1000P2	547	315	397	262	157	94	30	95	24	122	121	111	52	31
1	TCRM1000P	496	315	397	262	157	94	30	95	24	122	121	111	52	31
2	TCRM2000P2	592	340	442	267	176	99	30	125	33	128	130	140	71	43
3	TCRM3000P	554	340	442	267	176	99	34	125	36	128	130	140	71	43
6	TCRM6000P2	658	400	502	274	205	109	42	140	36	139	145	156	99	58

