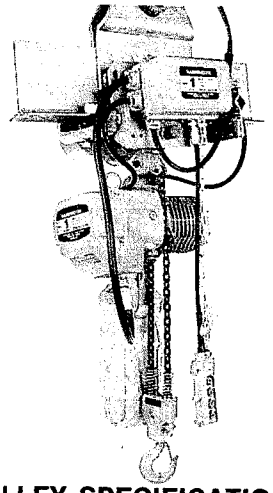
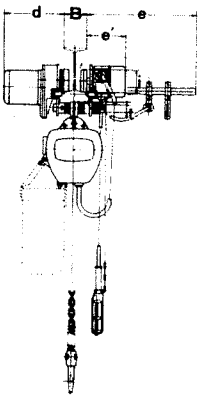
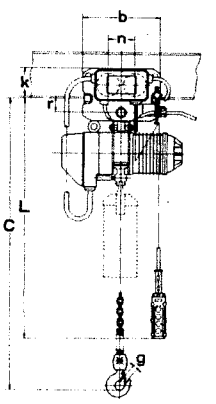
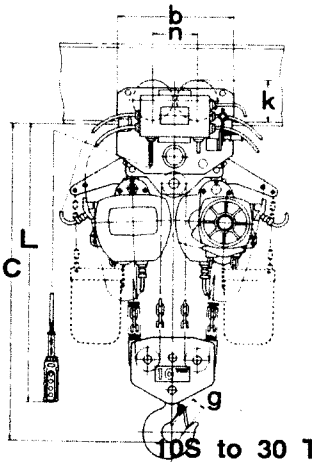
ELECTRIC CHAIN HOIST

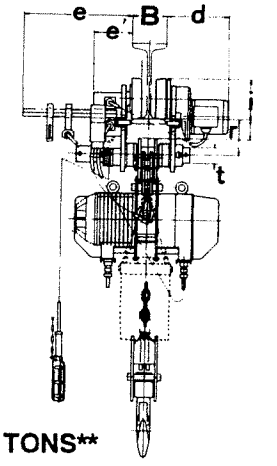
WITH MOTORIZED TROLLEY ESM











¼ to 5 TONS

10S to 30 TONS**

TROLLEY SPECIFICATION

Cap. (ton)	Code: Single Speed Hoist / Single Speed Trolley	Code: Dual Speed Hoist / Single Speed Trolley	Code: Single Speed Hoist / Dual Speed Trolley	Code: Dual Speed Hoist / Dual Speed Trolley	Std. Lift (ft)	Push Button Cord: L (ft)	Trolley Motor 3 Phase 230 or 460 V. Output (Hp) (AMP at 460V)*** Single Speed	Output (Hp) (AMP at 460V)*** Dual Speed	Duty Rating Min. Single Speed	Duty Rating Min. Dual Speed	Net Weight (lbs) ESM	ESDM	ESMD	ESDMD	Weight for Adtl. One Ft. of Lift (lbs)
¼	ESM003S	ESM003SD	ESMD003S	ESMD003SD							172	181	179	187	.4
½-L	ESM005L	ESM005LD	ESMD005L	ESMD005LD							183	192	190	198	.7
½-S	ESM005S	ESM005SD	ESMD005S	ESMD005SD							212	236	218	242	.6
1-L	ESM010L	ESM010LD	ESMD010L	ESMD010LD		8	.5				225	249	232	256	1.1
1-S	ESM010S	ESM010SD	ESMD010S	ESMD010SD			(1.2)				251	278	250	284	.8
1½	ESM015S	ESM015SD	ESMD015S	ESMD015SD	10			.5/.1		40/30	366	421	373	428	
2-L	ESM020L	ESM020LD	ESMD020L	ESMD020LD				(1.2/.9)			284	309	291	315	1.5
2-S	ESM020S	ESM020SD	ESMD020S	ESMD020SD					40		366	421	373	428	
2½	ESM025S	ESM025SD	ESMD025S	ESMD025SD		8.5					410	465	419	474	1.9
3	ESM030S	ESM030SD	ESMD030S	ESMD030SD				1/.3			437	492	445	500	3.3
5	ESM050S	ESM050SD	ESMD050S	ESMD050SD		9	1	(1.9/1.3)			470	564	518	574	4.0
8	ESM080S	ESM080SD	—	—	10	10	(1.9)				728	822			5.9
10L	ESM100L	ESM100LD	—	—	10	10					708	763			8.1
10S	ESM100S	ESM100SD	—	—	10	10					948	960			8.1
15	ESM150S	ESM150SD	—	—	10	10.5					1411	1599			12.1
20	ESM200S	ESM200SD	—	—	10	10.5	1 x 2				1565	1753			16.1
30	ESM300S	ESM300SD	—	—	10	11.5	(1.9 x 2)				2866	3054			25.0

DIMENSIONS

Cap. (ton)	Lug Mounted Values Min. Distance from Bottom of Beam to Hook: †C (in) Single Speed	Lug Mounted Values Min. Distance from Bottom of Beam to Hook: †C (in) Dual Speed	b (in)	(in) d Single Speed	(in) d Dual Speed	e (in)	g (in)	k (in)	e' (in)	i (in)	Trolley Speed (ft./min.) Single Speed	Trolley Speed (ft./min.) Dual Speed	n (in)	r (in)	t (in)	*Std. Beam Width: B (in)	Min. Radius for Curve (in)
¼	20.1	22.4	12.4	10.2	12.2	18.5	.9	4.9	6.6	3.7	40 Std. 80 (opt.)	80/20	4.4	2.0	1.2	2.28 to 4.92	32
½-L	23.6	26.0															
½-S	20.5	21.5	12.4	10.2	12.2	18.5	.9	4.9	6.6	3.7			4.4	2.0	1.2		32
1-L	24.8	25.8					1.2										
1-S	22.8	23.8															
1½	27.4	30.7	12.8	10.4	12.3	18.7	1.3	4.7	6.7	4.3			5.0	2.4	1.4	3.94 to 5.91	32
2-L	29.1	30.1					1.5										
2-S	27.8	31.1															
2½	28.5	32.3	13.4	10.4	13.8	18.7	1.6	5.2	6.7	4.9			5.5	2.8	1.7		32
3	34.3	36.0					1.7										
5	36.4	37.8	15.8	10.7	14.1	19.1	1.8	5.7	7.1	5.5			6.1	3.4	2.1	4.92 to 6.89	79
8	47.6	49.0	20.0	11.0	—	19.0	2.4	7.0	7.0	7.0	40	—	7.5	6.0	3.0	5.91 to 8.66	98
10S&L	46.5	49.0	20.0	11.0	—	19.0	2.4	7.0	7.0	7.0	40	—	7.5	6.0	3.0		98
15	53.9	55.5	40.0	11.0	—	19.0	3.1	7.0	7.0	7.0	40	—	20.5	6.0	3.0		∞
20	55.1	56.5	40.0	11.0	—	19.0	3.4	7.0	7.0	7.0	40	—	20.5	6.0	3.0		∞
30	65.0	66.5	45.7	15.2	—	22.8	4.0	—	—	7.7	40	—	—	—	—	7.48	∞