



ELECTRIC HOIST

Vulcan's New Generation of electric chain hoists builds on the original design with stronger cast aluminum cover, improved cooling, oil sight glass, and tighter seal of the electrical enclosure.

TWO YEARS WARRANTY

Built to ANSI/ASME B30.16

Certified to CSA C22.2 NO. 33

Conforms UL 1004-1 & UL 1340



Rugged Worm Gear Drive

- Worm gear drive: robust, reliable and the only one to offer controlled load lowering
- Speeds: 2ft/min to 52ft/min
- High quality radial and angular ball bearings
- Industrial alloy gears lubricated in an oil bath
- Synthetic oil supplied as standard

Calibrated Load Chain

- High performance welded link chain: GR80, tempered and case-hardened alloy steel for great wear resistance
- Zinc-plated chain as standard

Safety Brake

- Electromechanical brake retains load even if power is lost
- Brake holds at least 200% of the hoist's maximum working load
- Asbestos-free

Electric Motor

- Voltages: 115 V or 230 V, 1-phase; 230 V, 460 V, or 575 V, 3-phase available
- Instantly reversible electronic starter (single phase motors)
- Insulation: Class F
- Options: 2 speeds 3Ph motor, thermal relay, acidity/humidity treatment, TENV or TEFC

Control

- Standard voltage: 24 VAC
- Phase sequence relay supplied as standard on 3-phase hoists
- Options: 115 VAC, NEMA 4 pendant, emergency stop, CSA certified radio control, tandem hoists operation

Hooks

- Forged hooks with safety latches
- Bearing-mounted lower hooks swivel freely over 360°
- Options: low headroom (lug), self-locking hook, zinc plating/epoxy paint (lower hooks)

Limit Switches

- Factory calibrated adjustable upper/lower limit switches
- Safety stop with integrated limit switches

Other Options

- Electromechanical overload protection
- Vinyl or metal chain container
- Raincover
- Strobe light
- Horn
- Choice of paint colour
- Hour & cycle counters
- Festoon power system
- Retractable power cable
- Optional voltages: 208 V, 380 V, 400 V or 415 V, 3-phase, 50/60 Hz.

1 SPEED MODELS	Capacity	Speeds	1 Phase			3 Phases			
			115 V	230 V	HP	230 V	460 V	HP	575 V
1/4 t 1 FALL		08	L05A08		3/4				
		10		L05F10	3/4	L05H10	L05T10	1	L05V10
		14	L05A14		3/4				
		16		L05F16	3/4	L05H16	L05T16	1	L05V16
		20	L05A20	L05F20	1 1/2	L05H20	L05T20	2	L05V20
		26	L05A26	L05F26	1 1/2				
		28				L05H28	L05T28	2	L05V28
		33	L05A33	L05F33	1 1/2	L05H33	L05T33	2	L05V33
		40	L05A40	L05F40	1 1/2	L05H40	L05T40	2	L05V40
		52	L05A52	L05F52	1 1/2	L05H52	L05T52	2	L05V52
1/2 t 1 FALL		08	L1A08		3/4				
		10		L1F10	3/4	L1H10	L1T10	1	L1V10
		14	L1A14		3/4	L1H13	L1T13	1	L1V13
		16		L1F16	3/4	L1H16	L1T16	1	L1V16
		20	L1A20	L1F20	1 1/2	L1H20	L1T20	2	L1V20
		26	L1A26	L1F26	1 1/2				
		28				L1H28	L1T28	2	L1V28
		33	L1A33	L1F33	1 1/2	L1H33	L1T33	2	L1V33
		40		L1F40	2	L1H40	L1T40	2	L1V40
		52				L1H52	L1T52	2	L1V52
1 t 1 FALL		07	L2A07	L2F07	3/4				
		10				L2H10	L2T10	1	L2V10
		14		L2F14	1 1/2	L2H14	L2T14	2	L2V14
		20		L2F20	2	L2H20	L2T20	2	L2V20
		27							L2V27
		33				L2H33	L2T33	4 1/2	L2V33
		40				L2H40	L2T40	4 1/2	L2V40
		52				L2H52	L2T52	4 1/2	L2V52
1 1/2 t 1 FALL		07		L3F07	1 1/2				
		13		L3F13	2	L3H13	L3T13	2	L3V13
		20				L3H20	L3T20	4 1/2	L3V20
		26				L3H26	L3T26	4 1/2	L3V26
		33				L3H33	L3T33	4 1/2	L3V33
2 t 2 FALLS		04	L4A04	L4F04	3/4				
		06				L4H06	L4T06	2	L4V06
		10		L4F10	2	L4H10	L4T10	2	L4V10
		13		L4F13	2				
		15				L4H15	L4T15	2	L4V15
		20				L4H20	L4T20	4 1/2	L4V20
		26				L4H26	L4T26	4 1/2	L4V26

1 SPEED MODELS		1 Phase			3 Phases				
Capacity	Speeds	115 V	230 V	HP	230 V	460 V	HP	575 V	HP
3 t 2 FALLS	04		L6F04	2					
	05				L6H05	L6T05	2	L6V05	2
	09				L6H09	L6T09	4 1/2	L6V09	4 1/2
	15				L6H15	L6T15	4 1/2	L6V15	4 1/2
	20				L6H20	L6T20	4 1/2	L6V20	4 1/2
3 t 3 FALLS	07		L6F07	2					
5 t 3 FALLS	02	L10A02	L10F02	1 1/2					
	05		L10F04	2	L10H05	L10T05	4 1/2	L10V05	3
	10				L10H10	L10T10	4 1/2	L10V10	4 1/2
	13				L10H13	L10T13	4 1/2	L10V13	4 1/2
10 t 6 FALLS	07				L20H07	L20T07	2x 4 1/2	L20V07	2x 4 1/2
15 t 10 FALLS	04				L30H04	L30T04	2x 4 1/2	L30V04	2x 4 1/2
15 MT (16,5 t) 10 FALLS	04				L33H04	L33T04	2x 4 1/2	L33V04	2x 4 1/2
2 SPEEDS MODELS		Speeds		3 Phases					
Capacity	High	Low	230 V	460 V	575 V	HP			
1/4 t 1 FALL	13	4,3	L05H13X2	L05T13X2	L05V13X2	2			
	20	6,7	L05H20X2	L05T20X2	L05V20X2	2			
	26	8,7	L05H26X2	L05T26X2	L05V26X2	2			
	33	11,0	L05H33X2	L05T33X2	L05V33X2	2			
	40	13,3	L05H40X2	L05T40X2	L05V40X2	2			
	52	17,3	L05H52X2	L05T52X2	L05V52X2	2			
1/2 t 1 FALL	07	2,3	L1H07X2	L1T07X2	L1V07X2	2			
	13	4,3	L1H13X2	L1T13X2	L1V13X2	2			
	20	6,7	L1H20X2	L1T20X2	L1V20X2	2			
	26	8,7	L1H26X2	L1T26X2	L1V26X2	2			
	33	11,0	L1H33X2	L1T33X2	L1V33X2	2			
	40	13,3	L1H40X2	L1T40X2	L1V40X2	3			
	52	17,3	L1H52X2	L1T52X2	L1V52X2	3			
1 t 1 FALL	07	2,3	L2H07X2	L2T07X2	L2V07X2	2			
	13	4,3	L2H13X2	L2T13X2	L2V13X2	3			
	20	6,7	L2H20X2	L2T20X2	L2V20X2	3			
	26	8,7	L2H26X2	L2T26X2	L2V26X2	3			
1 1/2 t 1 FALL	13	4,3	L3H13X2	L3T13X2	L3V13X2	3			
2 t 2 FALLS	10	3,3	L4H10X2	L4T10X2	L4V10X2	3			
	13	4,3	L4H13X2	L4T13X2	L4V13X2	3			
3 t 2 FALLS	07	2,3	L6H07X2	L6T07X2	L6V07X2	3			

Standard Hoist Dimensions

Capacity	Model	Falls	Weight (lb)	A (in.)	B (in.)	C (in.)
1/4 t	L05	1	100	10 3/4	14 1/4	1
1/2 t	L1	1	100	10 3/4	14 1/4	1
1 t	L2	1	100	10 3/4	14 1/4	1
1 1/2 t	L3	1	105	10 3/4	14 1/4	1 1/8
2 t	L4	2	120	10 3/4	14 1/4	1 3/8
3 t	L6	2	130	10 3/4	14 1/4	1 3/8
5 t	L10	3	165	11	14 1/2	1 3/8
10 t	L20	6	700	22 1/4	29 3/4	2 1/4
15 t - 15 MT	L30	10	1 400	30 1/4	37 3/4	2 1/2

Headroom Clearances

Capacity	Speeds	Hook mount* (in)			Low headroom lug* (in)	
		Hoist only	w/ Electric Trolley	w/ Nova Trolley	w/ Electric Trolley	w/ Nova Trolley
1/4 t - 1/2 t	08 to 28	24	28.5	28.5	25.5	25.5
	33 to 52	25.5	30	30	27	27
1 t	07 to 27	25	29.5	30	25.5	26
	33 to 52	26.5	31	31.5	27	27.5
1 1/2 t	07 to 26	26	30.5	32	26	26.5
	33	27.5	32	33.5	27.5	28
2 t	04 to 15	30	34.5	36	31	31
	20 to 26	31.5	36	37.5	32.5	32.5
3 t	04 to 15	30	34.5	37.5	31	31.5
	20	31.5	36	39	32.5	33
5 t	02 to 13	34.5	40	42	35	36.5
10 t	07	43.5	53	54.5	36	n/a
15 t - 15 MT	04	48	n/a	60.5	n/a	n/a

*Values are approximate and depend on limit switch adjustment and other factors.

Motor Options

Motor	M (in.)**
3/4 HP , 1 phase	10 3/4
1 1/2 HP , 1 phase	11 7/8
2 HP , 1 phase	12 3/4
1 HP , 3 phases	10 1/2
2 HP , 3 phases	11 7/8
3 HP , 3 phases	12 3/8
4 1/2 HP , 3 phases	13 1/8
2 HP dual speed , 3 phases	11 7/8
3 HP dual speed , 3 phases	11 7/8

** Motors with a fan will be approximately 1 1/4 inch longer

