



STANDARD FEATURES

Ambient Temperature	-4°F to +104°F (-20°C to +40°C)
Protection to IEC/EN 60529	IP55 or NEMA 4
Rope Guide	Cast iron spheroidal graphite
Rope Drive	Bottom hook block, rope return sheaves, rope suspension and wire rope with 2/1, 4/1
Hook Assembly:	360° rotation with safety latch
Hoist Gearing	Helical lubed for life
Hoist Drum	Machined steel – 40% grooved depth
Hoist Motor	3 phase A.C. squirrel cage induction motor, 2/12 poles with cylindrical rotor and low flywheel mass 6:1 ratio with class F insulation, S4 duty class, 40/20% duty cycle IP55 or NEMA 4
Hoist Motor Brake	DC power/twin disc/180% of torque, no adjustment needed IP66 or NEMA 4/4X Monodisc spring-loaded brake with asbestos-free brake linings
Hoist Control	Magnetic contactor, 2-speed control Hoist motor connection wired into motor terminal box IP55 or NEMA 4 Complete Hoist Control: Includes mainline contactor K10, transformer & trolley fuses. Does not include: main hoist fuses to be sized for both hoist and trolley Crane MFG Control: Includes safety contactor K20, trolley fuses hoist control does not include: transformer, mainline, main fuses sized for hoist & trolley (items not included to be located in bridge control panel)
Hoist Monitor Management	SLE Standard
Hoist Limit Switch	IP66 or NEMA 4/4X-Upper/lower control circuit
Hoist Motor Control	Pole-changing
Motor Thermal Protection	PTC thermistors temperature sensors
Motor Supply Voltage 60 Hz	208/230V & 460V (3 phases)
Overcapacity Lift Limit Switch	IP55 or NEMA 4
Emergency Hoist Limit Switch (Gear Limit Switch)	For top and bottom hook position and operational limit switch for top hook position
Mechanical Safety Devices	All trolleys come standard with anti-tipping devices and trolley guards
Travel Limit Switch	For up to four switching functions: pre- and end-limiting in both directions of travel, carriage spacing
Travel Motor Control 60 Hz	80/20 fpm
Overload Cut-off	SLE
Trolley Gearing	Helical
Temperature Control of Travel Motors	PTC thermistors including tripping device
Trolley Motor	2 speed, S4 duty class, class F insulation, IP55 or NEMA 4
Trolley Brake	DC brake
Trolley Control	Magnetic contactor – 2 speed
Wheel Material	Ductile Iron 240 BHN
Control Enclosure	Fiberglass – IP66 or NEMA 4/4X
Control System	120V
Block-Operated Limit Switch	Standard
Bearings	Anti-friction. All sealed for life
Bumpers	Rubber bumpers/drop lugs standard
Paint	Two part-polyurethane base and top coat to 3.2mil thickness on engine parts and powder coat to 2.4 mil on steel parts, Yale yellow / Shaw-Box blue.

SPECIFICATIONS: 2-PART REEVED MONORAIL HOIST & TROLLEY

Product Number [†]	Hoist & Monorail Trolley												
	Hoist					Trolley					Other Data		
	Capacity (Ton)	Reeving	Lift (ft)	Lift Speed (fpm)	Nominal Motor HP	Rating	Trolley Speed (fpm)	Motor HP	Wheel Dia. (in)	Beam Flange Range (in) ^{††}		Headroom (in) ^{†††}	Net Weight (lb)
									Min.	Max.			
KA-L01-039S239-2	1	2 PS	39	39/6.6	3.9/0.5	H4+/M6	80/20	0.6/0.15	3 1/7	3 1/4	19 2/3	28 3/8	584
KA-L01-066S239-2	1	2 PS	66	39/6.6	3.9/0.5	H4+/M6		0.6/0.15	3 1/7	3 1/4	19 2/3	28 3/8	617
KB-L02-040S231-2	2	2 PS	40	31/5.2	7.8/1.3	H4/M5	80/20	0.6/0.15	4	3 5/8	19 2/3	30 7/8	672
KB-L02-066S231-2	2	2 PS	66	31/5.2	7.8/1.3	H4/M5		0.6/0.15	4	3 5/8	19 2/3	30 7/8	732
KB-L02-040S239-2	2.75	2 PS	40	39/6.6	7.8/1.3	H4/M5	80/20	0.6/0.15	4	3 5/8	19 2/3	30 7/8	672
KB-L02-066S239-2	2.75	2 PS	66	39/6.6	7.8/1.3	H4/M5		0.6/0.15	4	3 5/8	19 2/3	30 7/8	732
KB-L02-131S239-2	2.75	2 PS	131	39/6.6	7.8/1.3	H4/M5	80/20	0.6/0.15	4	3 5/8	19 2/3	30 7/8	866
KB-L03-040S231-2	3	2 PS	40	31/5.2	7.8/1.3	H4/M5		0.6/0.15	4	3 5/8	19 2/3	30 7/8	672
KB-L03-066S231-2	3	2 PS	66	31/5.2	7.8/1.3	H4/M5	80/20	0.6/0.15	4	3 5/8	19 2/3	30 7/8	732
KC-L03-040S239-2	3	2 PS	40	39/6.6	14.8/2.1	H4+/M6		0.9/0.2	5 1/2	4 5/8	19 2/3	34	1620
KC-L03-066S239-2	3	2 PS	66	39/6.6	14.8/2.1	H4+/M6	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	34	1709
KC-L03-131S239-2	3	2 PS	131	39/6.6	14.8/2.1	H4+/M6		0.9/0.2	5 1/2	4 5/8	19 2/3	43 3/8	2181
KC-L04-040S239-2	4	2 PS	40	39/6.6	14.8/2.1	H4/M5	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	34	1620
KC-L04-066S239-2	4	2 PS	66	39/6.6	14.8/2.1	H4/M5		0.9/0.2	5 1/2	4 5/8	19 2/3	34	1709
KC-L04-131S239-2	4	2 PS	131	39/6.6	14.8/2.1	H4/M5	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	43 3/8	2182
KC-L05-040S239-2	5	2 PS	40	39/6.6	14.8/2.1	H4/M5		0.9/0.2	5 1/2	4 5/8	19 2/3	34	1620
KC-L05-066S239-2	5	2 PS	66	39/6.6	14.8/2.1	H4/M5	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	34	1709
KC-L05-131S239-2	5	2 PS	131	39/6.6	14.8/2.1	H4/M5		0.9/0.2	5 1/2	4 5/8	19 2/3	43 3/8	2182
KC-L06-040S225-2	6	2 PS	40	25/3.9	14.8/2.1	H3/M4	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	34	1988
KC-L06-066S225-2	6	2 PS	66	25/3.9	14.8/2.1	H3/M4		0.9/0.2	5 1/2	4 5/8	19 2/3	34	2027
KC-L07-040S225-2	7.5	2 PS	40	25/3.9	14.8/2.1	H3/M4	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	34	1988
KC-L07-066S225-2	7.5	2 PS	66	25/3.9	14.8/2.1	H3/M4		0.9/0.2	5 1/2	4 5/8	19 2/3	34	2027

SPECIFICATIONS: 4-PART REEVED MONORAIL HOIST & TROLLEY

Product Number [†]	Hoist & Monorail Trolley												
	Hoist					Trolley					Other Data		
	Capacity (Ton)	Reeving	Lift (ft)	Lift Speed (fpm)	Nominal Motor HP	Rating	Trolley Speed (fpm)	Motor HP	Wheel Dia. (in)	Beam Flange Range (in) ^{††}		Headroom (in) ^{†††}	Net Weight (lb)
									Min.	Max.			
KA-L02-020S420-2	2	4 PS	20	20/3.3	3.9/0.5	H4+/M6	80/20	0.6/0.15	3 1/7	3 1/4	19 2/3	22 4/8	617
KA-L02-033S420-2	2	4 PS	33	20/3.3	3.9/0.5	H4+/M6		0.6/0.15	3 1/7	3 1/4	19 2/3	22 4/8	650
KA-LD3-020S420-2	2.5	4 PS	20	20/3.3	3.9/0.5	H4/M5	80/20	0.6/0.15	3 1/7	3 1/4	19 2/3	22 4/8	617
KA-LD3-033S420-2	2.5	4 PS	33	20/3.3	3.9/0.5	H4/M5		0.6/0.15	3 1/7	3 1/4	19 2/3	22 4/8	650
KA-L03-020S420-2	3	4 PS	20	20/3.3	3.9/0.5	H4/M5	80/20	0.6/0.15	3 1/7	3 1/4	19 2/3	22 4/8	617
KA-L03-033S420-2	3	4 PS	33	20/3.3	3.9/0.5	H4/M5		0.6/0.15	3 1/7	3 1/4	19 2/3	22 4/8	650
KB-L04-020S420-2	4	4 PS	20	20/3.3	7.8/1.3	H4/M5	80/20	0.6/0.15	4	3 5/8	19 2/3	26 5/8	728
KB-L04-033S420-2	4	4 PS	33	20/3.3	7.8/1.3	H4/M5		0.6/0.15	4	3 5/8	19 2/3	26 5/8	787
KB-L04-066S420-2	4	4 PS	66	20/3.3	7.8/1.3	H4/M5	80/20	0.6/0.15	4	3 5/8	19 2/3	26 5/8	921
KB-L05-020S420-2	5	4 PS	20	20/3.3	7.8/1.3	H4/M5		0.6/0.15	4	3 5/8	19 2/3	26 5/8	728
KB-L05-033S420-2	5	4 PS	33	20/3.3	7.8/1.3	H4/M5	80/20	0.6/0.15	4	3 5/8	19 2/3	26 5/8	787
KB-L05-066S420-2	5	4 PS	66	20/3.3	7.8/1.3	H4/M5		0.6/0.15	4	3 5/8	19 2/3	26 5/8	866
KB-L06-020S416-2	6	4 PS	20	16/2.6	7.8/1.3	H4/M4+	80/20	0.6/0.15	4	3 5/8	19 2/3	26 5/8	728
KB-L06-033S416-2	6	4 PS	33	16/2.6	7.8/1.3	H4/M4+		0.6/0.15	4	3 5/8	19 2/3	26 5/8	787
KC-L07-020S420-2	7.5	4 PS	20	20/3.3	14.8/2.1	H4+/M6	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	1664
KC-L07-033S420-2	7.5	4 PS	33	20/3.3	14.8/2.1	H4+/M6		0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	1753
KC-L07-066S420-2	7.5	4 PS	66	20/3.3	14.8/2.1	H4+/M6	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	2116
KB-L07-020S416-2	7.5	4 PS	20	16/2.6	7.8/1.3	H4/M4+		0.9/0.2	4	3 5/8	19 2/3	26 5/8	728
KB-L07-033S416-2	7.5	4 PS	33	16/2.6	7.8/1.3	H4/M4+	80/20	0.9/0.2	4	3 5/8	19 2/3	26 5/8	787
KC-L09-020S420-2	9	4 PS	20	20/3.3	14.8/2.1	H4/M5		0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	1664
KC-L09-033S420-2	9	4 PS	33	20/3.3	14.8/2.1	H4/M5	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	1753
KC-L09-066S420-2	9	4 PS	66	20/3.3	14.8/2.1	H4/M5		0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	2116
KC-L10-020S420-2	10	4 PS	20	20/3.3	14.8/2.1	H4/M5	80/20	0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	1664
KC-L10-033S420-2	10	4 PS	33	20/3.3	14.8/2.1	H4/M5		0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	1753
KC-L10-066S420-2	10	4 PS	66	20/3.3	14.8/2.1	H4/M5	0.9/0.2	5 1/2	4 5/8	19 2/3	31 1/8	2116	

[†] Insert prefix "Y" for Yale units or "S" for Shaw-Box units when ordering.

^{††} Give proper beam flange width when ordering, no extra charge.

^{†††} Headroom values may vary depending on trolley flange adjustment.



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