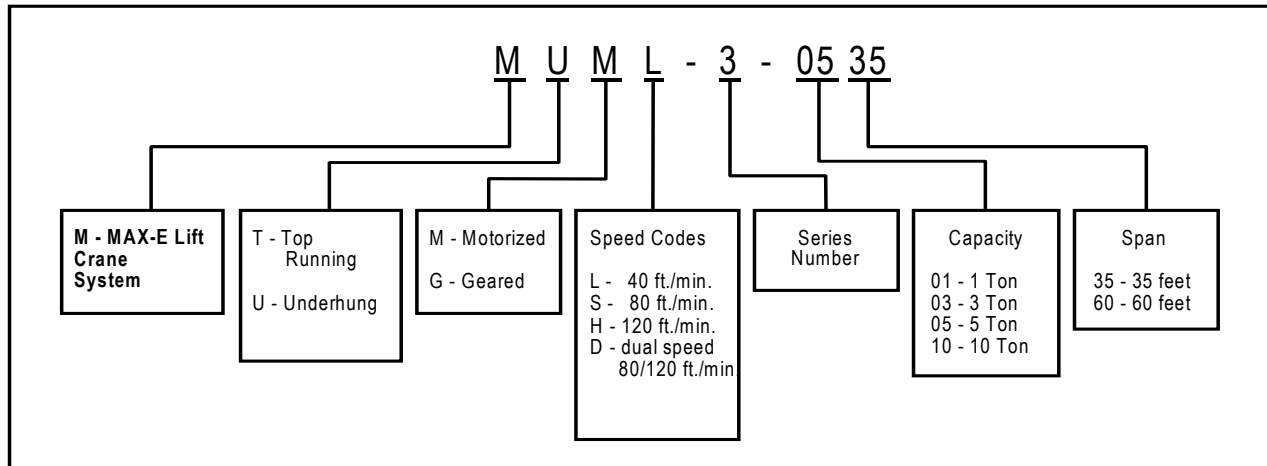
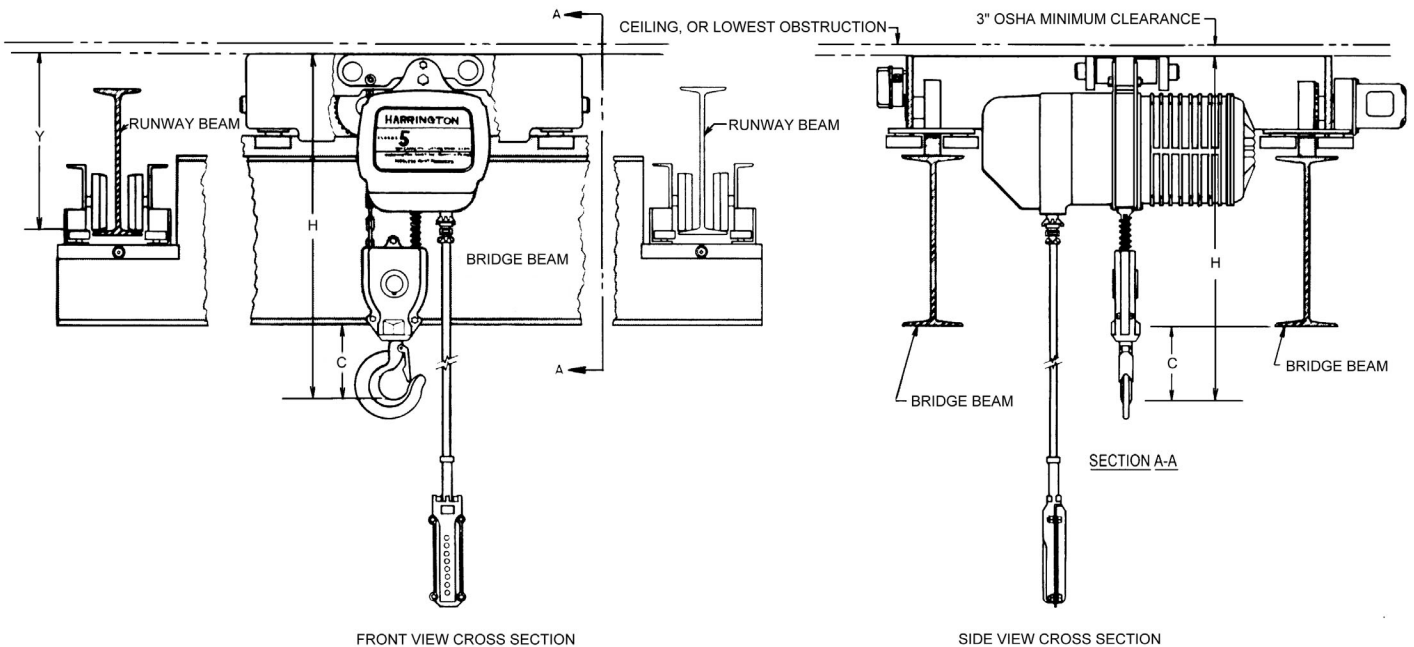


This EDOC supercedes Catalog ML-95 as it pertains to Max-E-Lift Class C Duty Rated Cranes with Underhung End Trucks and components.

Product Code:



Dimensions and Weights of the Underhung System



Because of the basic concept of the "MAX-E-LIFT" system, the word 'headroom' as usually used in the crane and hoist industry is not meaningful in this system. The important dimension is the system's total height "H" which is the total distance from the top of the trolley to the inside of the load hook in its uppermost position as shown in the above illustration. This important dimension, which is the true meaning of the height to which a load can be lifted, is one of the lowest in the industry.

The following chart shows the "H" dimension for the various loads and spans. It also shows the dimension "C" usually referred to as "Headroom," as well as the dimension "Y" for the vertical positioning of the runway beams, and WT for total weight of the system.

DIMENSIONS (inches) AND WEIGHTS (lbs.) FOR UNDERHUNG SYSTEM					
Capacity/Lift Speed		Span			
		35 ft.		60 ft.	
		Single Speed	Dual Speed	Single Speed	Dual Speed
1 Ton 13 ft./min.	H	22.1	23.1	22.1	23.1
	C	0	1.4	0	0
	Y	12.1	12.1	14.2	14.2
	WT	3265	3650	6668	6693
1 Ton 26 ft./min.	H	20.1	21.1	20.1	21.1
	C	0	0	0	0
	Y	12.1	12.1	14.2	14.2
	WT	3650	3675	6693	6718
2 Ton 13 ft./min.	H	25.8	26.8	25.8	26.8
	C	5.6	6.6	2.0	3.0
	Y	10.6	10.6	14.2	14.2
	WT	3963	3983	6718	6738
2 Ton 26 ft./min.	H	24.4	27.7	24.4	27.7
	C	4.2	7.5	0.6	3.9
	Y	10.6	10.6	14.2	14.2
	WT	4043	4098	6798	6853
3 Ton 17 ft./min.	H	30.4	32.2	30.4	32.2
	C	5.2	7.0	3.2	5.0
	Y	15.6	15.6	17.6	17.6
	WT	4648	4703	9792	9847
5 Ton 10 ft./min.	H	32.0	33.4	32.0	33.4
	C	6.6	8.0	0	0.3
	Y	15.8	15.8	23.5	23.5
	WT	5527	5577	9959	10009

End Truck Gear Motor Specification Table

End Truck Product Code	Speed Codes L and S			Speed Code H			Speed Code D			End Truck Weight (lbs./pair)	System Max. Wheel Load (lbs. per wheel pair)
	One Motor Per End Truck 3 Phase 60 Hz			One Motor Per End Truck 3 Phase 60 Hz			One Motor Per End Truck 3 Phase 60 Hz				
	Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)			
	@230V	@460V		@230V	@460V		@230V	@460V			
MUML/S/H/D-3-0135	0.33	1.6	1.0	0.5	2.1	1.3	0.33/0.10	1.6/1.1	0.9/0.8	522	3,163
MUML/S/H/D-3-0160										659	3,922
MUML/S/H/D-3-0335										543	4,475
MUML/S/H/D-3-0360										680	5,167
MUML/S/H/D-3-0535	0.50	2.1	1.3	1.0	3.3	2.0	0.50/0.10	2.0/1.5	1.2/0.9	638	6,953
MUML/S/H/D-3-0560										795	7,665

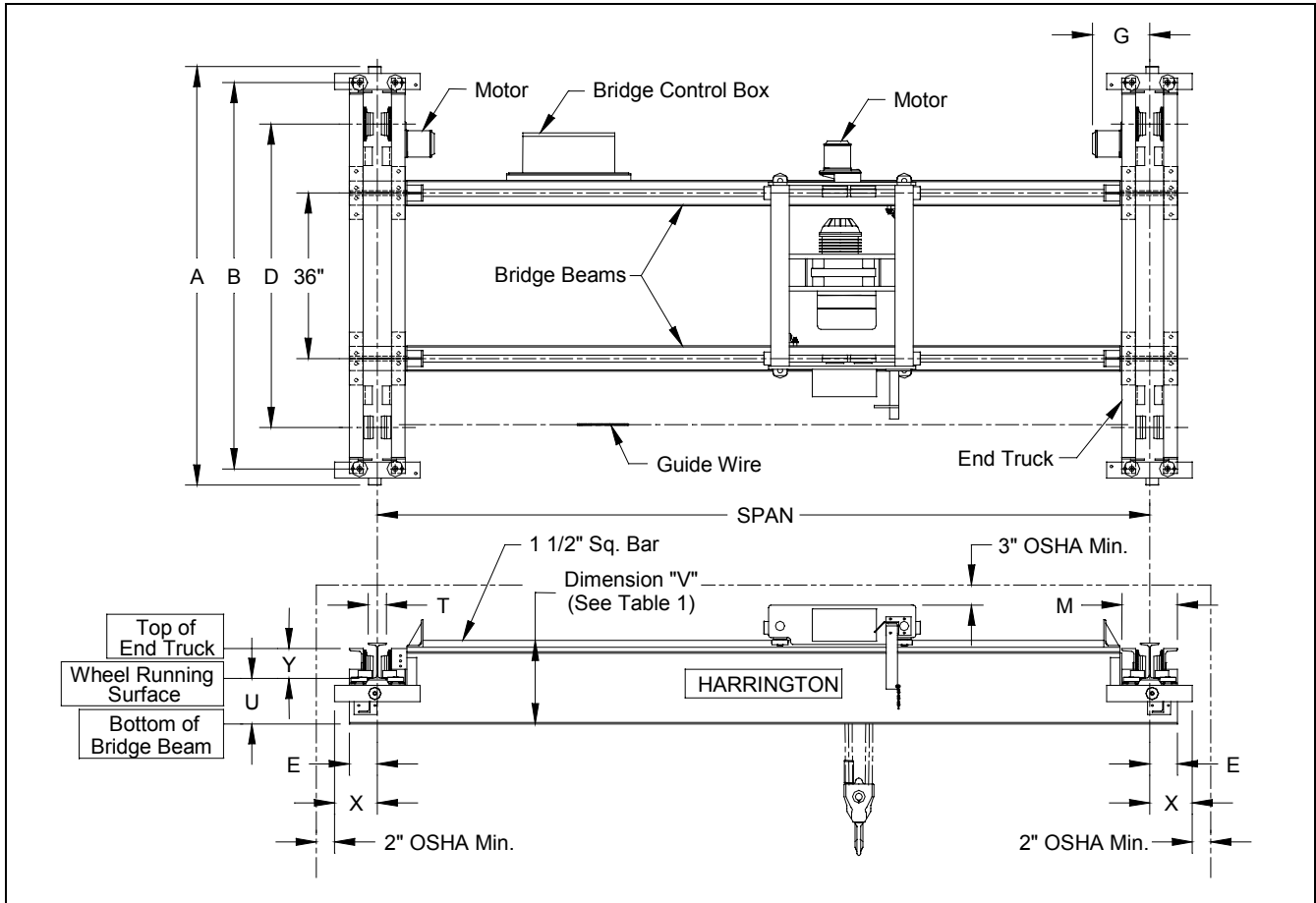
Speed Code

L - Designates 40 ft/min
 S - Designates 80 ft/min
 H - Designates 120 ft/min
 D - Designates dual speed 80/20 ft/min

Product code derivation - example: UML-3-0235

U - Under hung
 M - Motorized
 L - Speed of 40 ft/min
 3 - Series number
 02 - Max. Capacity - 2 Ton
 35 - Maximum span - 35 feet

MOTORIZED UNDERHUNG DUAL DRIVE END TRUCKS

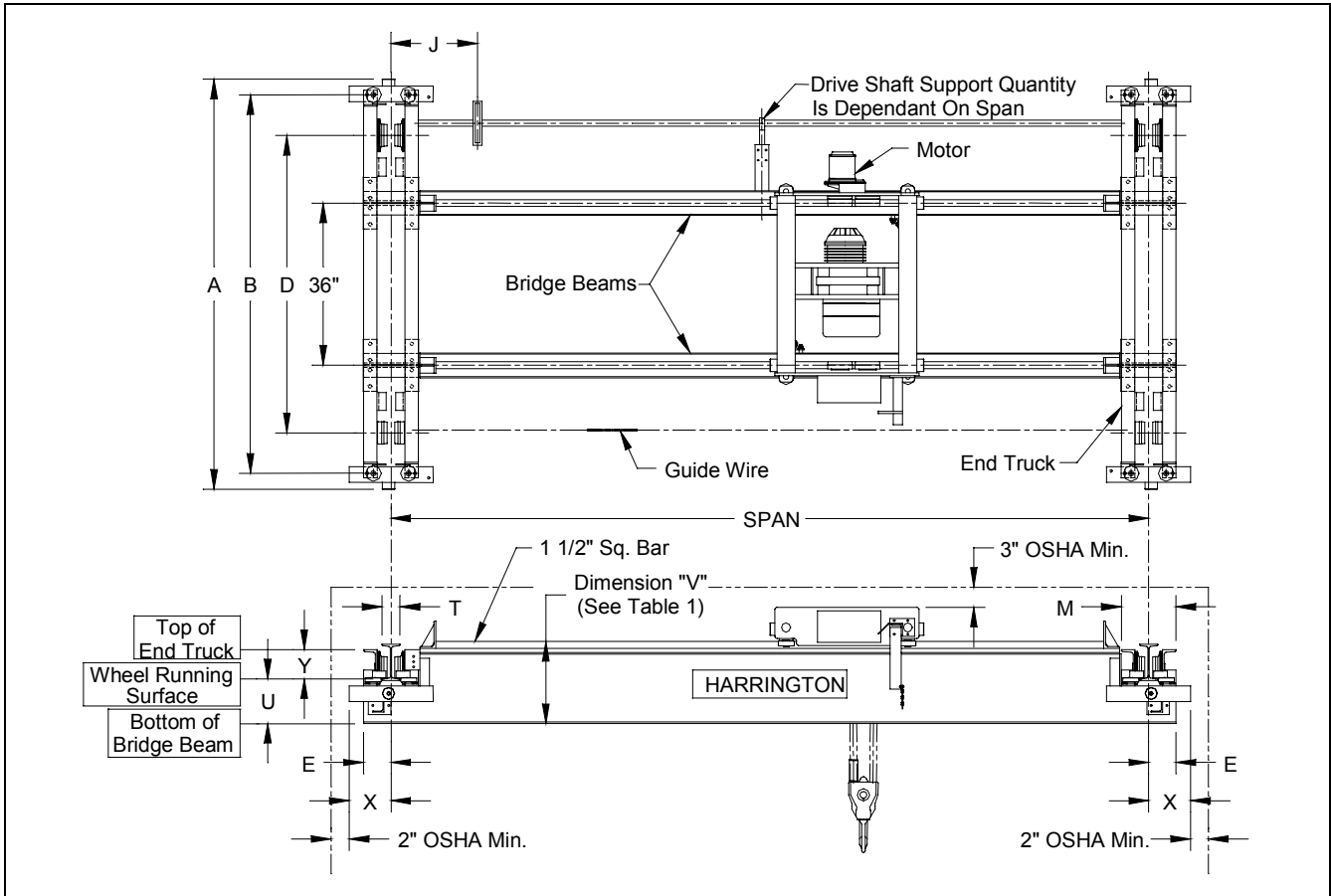


MAX-E-LIFT UNDERHUNG MOTORIZED

Max. Cap. (Tons)	Max. Span (ft)	End Truck Model #	Wheel Diameter (in)	Flange Range Std. (in)	A Overall Length (in)	B Roller Base (in)	D Wheel Base (in)	E * Beam Beyond Span (in)	M End Truck Frame Width (in)	U Wheel Running Surface to Bridge Beam Bottom (in)	X Width Beyond Span (in)	Y Height (in)	AA Span to Motor End (in)	Motor End Truck Weight (lbs./pr)	System Max. Wheel Load (lbs./wheel)		
2	35	MUML/S/H/D-3-0235	4.33	3 - 6	87	80	66	11-T/2	T+8.1	9.8	T/2+7.3	6.5	T/2+11.8 9	690	3496		
	50	MUML/S/H/D-3-0250			99	92	78							765	4184		
3	35	MUML/S/H/D-3-0335	4.92		91	84	66		T+8.1	9.8	T/2+7.3			6.5	T/2+11.8 9	736	4822
	50	MUML/S/H/D-3-0350			103	96	78									811	6108
5	35	MUML/S/H/D-3-0535	5.51	4 - 6	95	88	68	T+9.8	10.0	T/2+7.0	6.4	T/2+15.7 6	875			7344	
	50	MUML/S/H/D-3-0550			107	100	80						958			8452	

* Minimum overhang is M/2
T= Runway flange width

MANUAL GEARED UNDERHUNG DUAL DRIVE END TRUCKS



MAX-E-LIFT UNDERHUNG GEARED

Max. Cap. (Tons)	Max. Span (ft)	End Truck Model #	Wheel Diameter (in)	Flange Range Std. (in)	A Overall Length (in)	B Roller Base (in)	D Wheel Base (in)	E* Beam Beyond Span (in)	J Hand Wheel Offset (in)	M End Truck Frame Width (in)	U** Wheel Running Surface to Bridge Beam Bottom (in)	X Width Beyond Span (in)	Y Height (in)	End Truck Weight (lbs./pr)	System Max. Wheel Load (lbs./wheel)	
2	35	MUG-3-0235	4.33	3 - 6	87	80	66	12	T/2+9.03	T+8.1	9.8	T/2+7.3	6.5	671	3466	
	50	MUG-3-0245			99	92	78							746	4155	
3	35	MUG-3-0335	4.92		91	84	66		T/2+8.86	T+9.8	10.0	T/2+7.0	6.4	722	5744	
	50	MUG-3-0345			103	96	78							797	6080	
5	35	MUG-3-0535	5.51		4 - 6	95	88		68	T/2+9.22	T+9.8	10.0	T/2+7.0	6.4	849	7313
	50	MUG-3-0545				107	100		80						931	8421

* Minimum overhang is M/2

T = Runway flange width

** Includes 3/8" thick beam mounting plates

Table 1 - Effective Height Of The Finished Bridge Beam Assembly - Dimension "V" (inches)

Capacity	Span Ft.	20	25	30	35	40	45	50	55	60
1 Ton		9.5	9.5	11.9	15.3	13.8	17.7	17.8	17.8	19.8
2 Ton		9.5	11.9	15.3	13.8	17.7	17.8	17.8	19.8	25.7
3 Ton		12.0	15.3	13.8	17.7	17.8	17.8	19.8	25.7	25.4
5 Ton		15.3	13.8	17.7	17.8	17.8	19.8	25.7	25.4	25.4
8 Ton		15.6	15.9	17.8	19.8	20.0	22.5	25.4	25.4	25.6
10 Ton		15.6	15.6	20.0	20.0	22.5	25.4	25.4	25.6	28.7