

Yale[®]

5 to 10 Tonnes
Single Reeved

Global King[™] Hoist

Price and Specification Book

*All Prices are F.O.B.
Muskegon, MI*

Prices effective October 4, 2004



Important Information

All prices are F.O.B. Muskegon, Michigan. Specifications, prices and deliveries are subject to change without notice. Suggested list prices are furnished as trade information only and not as a restriction on resale pricing. Orders subject to final acceptance at our General Offices, Muskegon, Michigan.

F.O.B. Point – Muskegon, Michigan.

Terms of Payment – Net 30 days from date of invoice. Payable in U.S. dollars. Orders subject to Yale Hoists standard terms of sale.

Prices are firm for standard quoted deliveries.

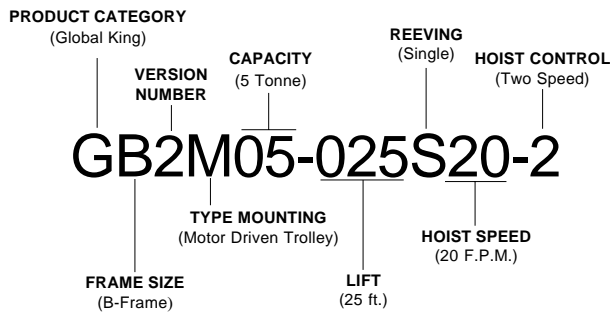
Prices subject to change without notice.

When approved clearance diagrams are required, lead times given are from receipt of approved diagrams and not receipt of purchase order.

We maintain branch offices and resident field sales representatives in principal cities. They are available to you, upon request, to assist in determining the correct equipment to best handle any job requirement.

All inquiries regarding Customer Service and Order Entry should be directed to the Yale Customer Service Departments. Reference the back cover for addresses and phone numbers.

Hoist Catalog Numbering System



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Yale Global King Hoist

Available Options

Trolley: Soft Start
Single Speed Trolley Control
Variable Frequency Control
Trolley Brake
Trolley Bumpers
Different Traverse Speeds
Wider Flange Width on 5-Tonne B-Frame Models

Hoist: Mainline Contactor
Overcapacity Lift Protection
Pushbutton Station
Rope Guide
Geared Limit Switch

Standard Specifications

Capacity: 5, 7½ and 10 tonne

Service Class: Meets the duty cycle requirement of HMI H4 Service

Operation: Indoor

Power Supply: 460, 200, 230 or 575/3/60 - also 380/3/50 (reduce speeds by 1/6 for 50 Hz)

Wheels: Compound tread machined steel hardened to 220 BHN, 8" diameter for the 7½ and 10 tonne models and 6½" diameter for the 5 tonne model

Flange Width Range: Trolley flange width range for the 7½ & 10 tonne models is 4⁵/₈ - 20" with a maximum flange thickness of 2". For the 5 tonne model width range is 4⁵/₈ - 14" with a maximum flange thickness of 1¾" as standard

Bumpers: Optional

Hoist Gearing: Triple reduction, helical for the first two reductions, spur for the third, heat-treated alloy steel. All gearing is oil bath lubricated, contained in a vacuum cast aluminum gear case mounted outside of the rope drum

Mechanical Load Brake: None

Rope Drum: Steel machined up to 50% of rope's diameter. Rope secured to drum with three heavy Ductile Iron clamps and three extra wraps

Sheaves: Machined steel

Rope Guide: Heavy duty metal rope guide is optional

Headroom: Low headroom design is standard

Hoist Motor Brake: D.C. disc rated at 200% of the motors full load torque

Trolley Brake: Optional - retardation by non-locking worm gear reducer

Trolley Traverse Gearing: Totally enclosed, oil-bath lubricated single worm

Hoist Motor: Two speed, two winding with a 6:1 ratio 30 minute, TEFC, class F with TAS

Trolley Motor: Two speed, two winding with a 3:1 ratio 30 minute, TENV, class F with TAS

Control: Magnetic contactor type. Line fusing standard. Pushbutton station not furnished as standard

Control Enclosure: Both hoist and trolley control are contained in one NEMA 4/12 panel mounted and wired in as standard

Limit Switch: Upper block operated control circuit limit switch

Bearings: Antifriction type throughout

Paint: Control box & traverse gear case are powder coated. Enamel finish on hoist motor and brake, trolley frame, drum frame, lower block frame, counter weight and upper yoke block

Base Hoist Pricing

5 Tonne - Low Headroom Single Reeved

Catalog Number	Hoist				Trolley			List Price	Wt. (lbs)
	Lift (ft)	Speed (fpm)	Motor (hp)	No. Ropes/Dia.	Speed (fpm)	Motor (hp)	Wheel Dia. (in)		
GB2M05-025S20-2	25	20/3.3	7.5/1.25	4-7/16	50/16.7	1/4 - 1/12	6-1/2	6928	1450
GB2M05-040S20-2	40	20/3.3	7.5/1.25	4-7/16	50/16.7	1/4 - 1/12	6-1/2	7584	1650

5-Ton (US tons) - High Speed Hoist Option

For 5-ton heavy service applications requiring a fast hoisting speed, the C-frame hoist is available 2-part single reeved with a hoisting speed of 40/6.6 fpm. With exception of the headroom, the weights and dimensions are the same as for the 10-ton "C" frame Global King Hoist hoist.

Catalog Number	Hoist					Trolley			List Price	Wt. (lbs)
	Lift (ft)	Speed (fpm)	Motor (hp)	No. Ropes/Dia.	Headroom*	Speed (fpm)	Motor (hp)	Wheel Dia. (in)		
GC2M05-050S40-2	50	40/6.6	15/2.5	2-9/16	*	60/20	1/2 - 1/6	8	12137	2750

Trolley Beam Flange Width - (B)

	4-5/8	6	8	10	12	14	16	18	20
*Headroom (in)	37 - 1/2	37 - 3/8	37 - 1/8	37	36 - 7/8	36 - 1/4	35 - 1/2	34 - 1/4	32

Note: Lower block sheave pitch diameter will be 10-1/2".

The upper/lower geared limit switch will be a 4-element switch with an upper slow-down & stop and a lower slow-down & stop position.

Due to the hoisting speed the live load impact factor will be 20% which may affect your girder selection.

Due to the fast hoisting speed this 5-ton hoist only has a rope guide as standard.

7½ Tonne - Low Headroom Single Reeved

Catalog Number	Hoist				Trolley			List Price	Wt. (lbs)
	Lift (ft)	Speed (fpm)	Motor (hp)	No. Ropes/Dia.	Speed (fpm)	Motor (hp)	Wheel Dia. (in)		
GC2M07-025S24-2	25	24/4	15/2.5	4-9/16	50/16.7	1/2 - 1/6	8	11630	2700
GC2M07-040S24-2	40	24/4	15/2.5	4-9/16	50/16.7	1/2 - 1/6	8	12449	2950

10 Tonne - Low Headroom Single Reeved

Catalog Number	Hoist				Trolley			List Price	Wt. (lbs)
	Lift (ft)	Speed (fpm)	Motor (hp)	No. Ropes/Dia.	Speed (fpm)	Motor (hp)	Wheel Dia. (in)		
GC2M10-025S20-2	25	20/3.3	15/2.5	4-9/16	50/16.7	1/2 - 1/6	8	11794	2750
GC2M10-040S20-2	40	20/3.3	15/2.5	4-9/16	50/16.7	1/2 - 1/6	8	12613	3000

Options Pricing

Hoist Options:

Rope Guide	Add	\$131
Upper & lower geared control circuit limit switch	Add	197
Add mainline contactor	Add	393
Over capacity lift limit switch	Add	328
575/3/60 hoist & trolley motors and controls (2-speed)	Add	NC
Derating of a hoist capacity (new capacity plates from ½ - 9 tonnes in ½ tonne increments).....	Add	164

NEMA 4X Control Enclosure

Fiberglass enclosure	Add	582
Stainless steel enclosure	Add	848

Bullard Hook

For 5 ton hoist	Add	759
For the 7½ or 10 ton hoist	Add	2047
Adds to the headroom approximately 3.25" and will increase leadtime. Consult factory for specific details		

Add for Stainless Steel Wire Rope Add P.O.A.

For pushbutton station (shipped loose)

Number of Buttons		On-Off	New Global Adders List Price	
1 Speed	2 Speed		25'	40'
0	4	0	257	295
		2	311	362
	6	0	293	352
		2	344	402
2	2	0	218	277
		2	290	336
	4	0	277	335
		2	329	387
4	2	0	252	303
		2	304	354

(Pendant Stations Not Included with Base Hoist Price)

List prices are arranged by the various button combinations available per hoist lift

Price includes NEMA 4 pendant station with the button quantity listed, control and strain reliever cable for the hoist lift selected. The length of the cables will be approximately equal to the lift less 2½ feet.

The pendant will ship loose for field installation by others. Please give desired configuration with order.

Options Pricing

Trolley Options:

Add soft-start to standard 2 speed trolley	Add	\$313
Single speed trolley control without soft-start	Deduct	-(55)
Single speed trolley control with soft-start	Add	242
Variable frequency trolley control		
Electromotive P3 for 230 or 460/3/60	Add	853
Electromotive G+ for 575/3/60	Add	2132
Trolley brake, AC motor mounted disc type rated at 50% torque	Add	354
Trolley bumpers, four (4) rubber bumpers mounted two (2) at each end	Add	164
Faster trolley speeds (standard is 50/16.7 fpm)		
For 75/25 fpm	Add	136
5 tonne traverse changes from 1/4 to 1/2 hp		
7½ & 10 tonne traverse changes from 1/2 to 3/4 hp		

Patented Track for 3-1/4, 3-1/33 or 4-1/2" track 146
 Check the flange loading capability of the patented track to insure it can support the following

Capacity	Wheel Base (in)	Beam Flange Width	Wheel Load (lbs)					
			WL1	WL2	LH Pair	WL3	WL4	RH Pair
5 Tonne	16	3-1/4" PT	4067	4247	NA	1938	2253	NA
	38.125		4457	6044	10501	951	1253	2204
5 Ton	16	3-1/4" PT	3745	3859	NA	1826	2050	NA
	38.125		4075	5522	9597	900	1183	2083

Wider Beam Flange Widths for 5 tonne (B-frame) models (14-1/8" to 20") Add 274

Dimension	Trolley Beam Flange Width (B)			
	14-1/8	16	18	20
C	24	23	22	21
D	13-13/16	15-11/16	17-11/16	19-11/16
E	11-1/4	13-1/8	15-1/8	17-1/8
M	66 - for 460 volts 68 - for 200, 230 & 575 volts			

Global King Spare Parts Kit

Applicable only when purchased with a Global King Hoist

Lift	5 tonne	7½ tonne	10 tonne
25'	1080	1493	1493
40'	1178	1635	1635
50'	1493	X	X

Kit includes the following hoist motion only parts:

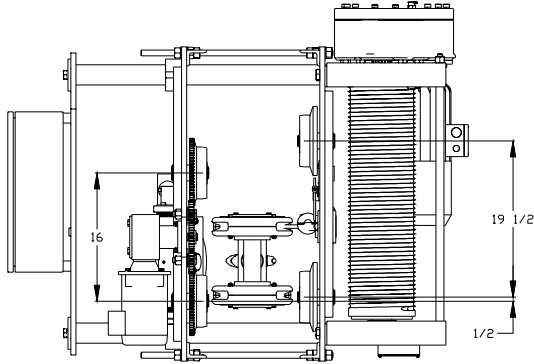
- | | |
|----------------------|------------------------|
| Brake control module | Accelerating contactor |
| Brake disc | Transformer |
| Brake hardware kit | Wire rope assembly |
| Reversing contactor | |

**5
TONNE**

**SINGLE
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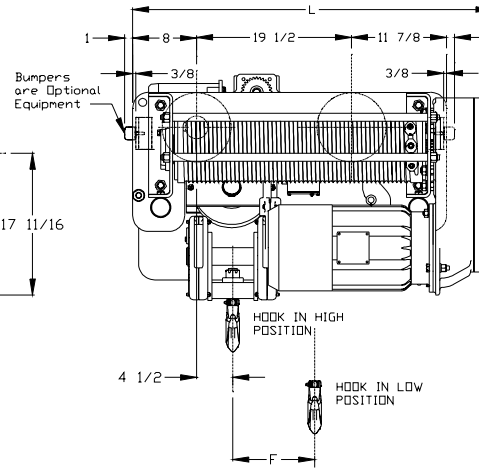
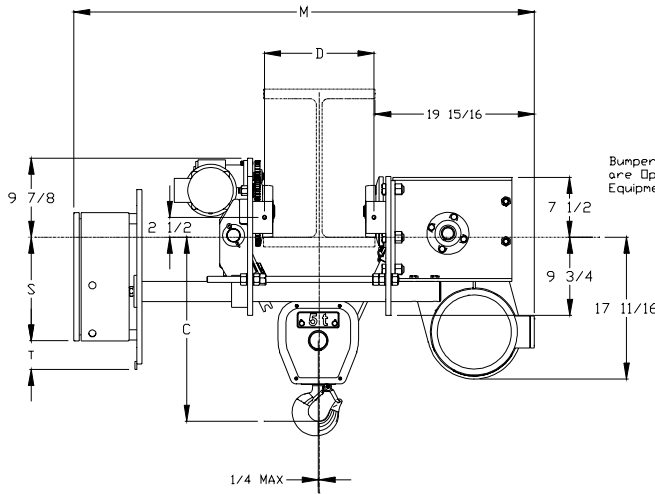
**MOTOR DRIVEN
TROLLEY**

25' Lift



Dimensions Affected by Beam Flange Width						
Dimension	Trolley Beam Flange Width - (B) *					
	4-5/8	6	8	10	12	14
C	23-3/4	23-5/8	23-1/4	22-7/8	22-1/4	21-1/2
D	4-5/16	5-11/16	7-11/16	9-11/16	11-11/16	13-11/16
E	1-3/4	3-1/8	5-1/8	7-1/8	9-1/8	11-1/8
M	460 Volt - 58" 200, 230 & 575 Volt - 60"					

See page 7 for Illustration of dimension E in relation to a beam
*See options page for wider beam flange widths



Dimensions Affected by Lift

Catalog Number	Hoist				Trolley		Wt. (lbs)	200, 230 & 575 Volt		460 Volt		F	L	Max. High Hook W. L.* (lbs)	
	Max. Lift (ft)	Speed (fpm)	H.P.	Rope No. & Dia.	Speed (fpm)	H.P.		S	T	S	T			US (short) Tons	Metric Tonnes
	GB2M05-025S20-2	25	20/3.3	7.5/1.25	4-7/16	50/16.7		1/4 - 1/12	1450	14-15/16	1-9/16			12-15/16	3-9/16

Weights shown are for standard hoists listed. For approximate shipping weights, add 150 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smaller beams, beam must be free of all obstructions, such as clips, suspension bolts and nuts. Trolley is capable of running on beams from 4-5/8" - 14" wide with a flange thickness of 1 3/4" as standard.

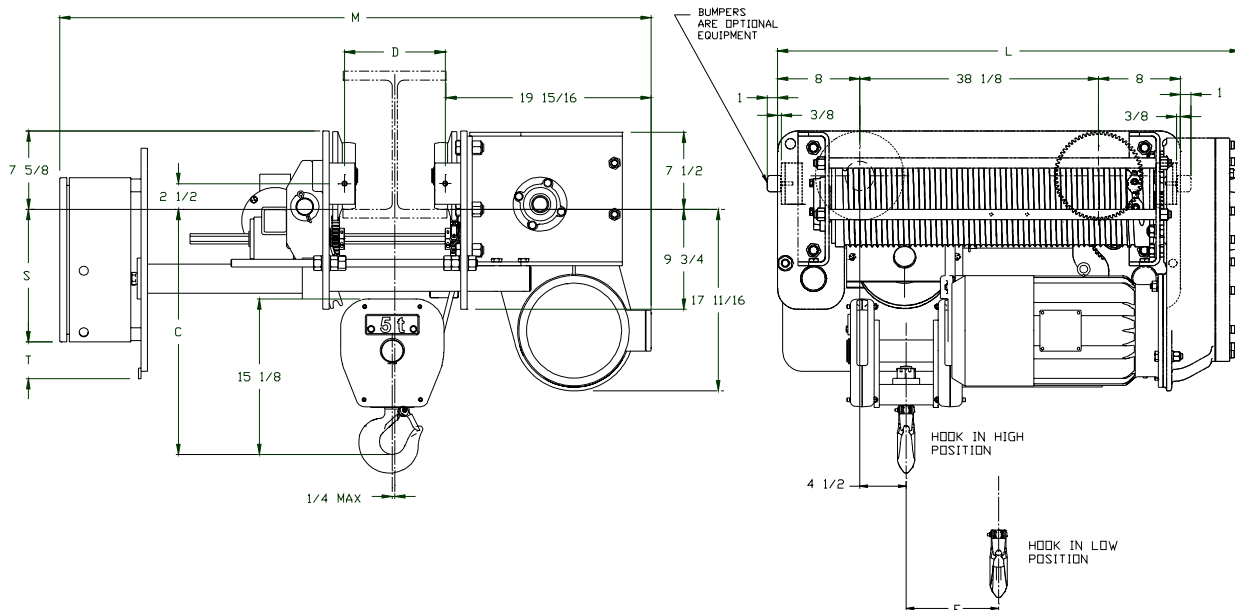
*Estimated wheel load is stated in US pounds and does not include live or dead load impacts. Wheel load is the maximum produced on one (1) wheel at full load in the high hook position. Wheel load is based on a beam flange width of 14" and will change as the beam flange width changes. Refer to pages 13 & 14 for more detailed information.

**5
TONNE**

**SINGLE
REEVED**

**MOTOR DRIVEN
TROLLEY**

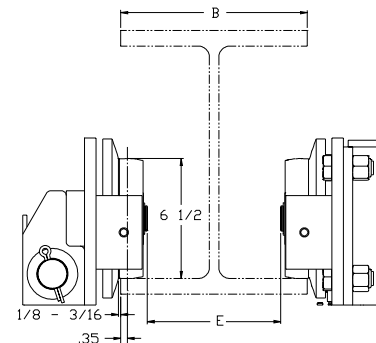
40' Lift



Dimensions Affected by Beam Flange Width

Dimension	Trolley Beam Flange Width - (B) *					
	4-5/8	6	8	10	12	14
C	23-3/4	23-5/8	23-1/4	22-7/8	22-1/4	21-1/2
D	4-5/16	5-11/16	7-11/16	9-11/16	11-11/16	13-11/16
E	1-3/4	3-1/8	5-1/8	7-1/8	9-1/8	11-1/8
M	460 Volt - 58" 200, 230 & 575 Volt - 60"					

*See options page for wider beam flange widths



Dimensions Affected by Lift

Catalog Number	Hoist				Trolley		Wt. (lbs)	200, 230 & 575 Volt		460 Volt		F	L	Max. High Hook W. L.* (lbs)	
	Max. Lift (ft)	Speed (fpm)	H.P.	Rope No. & Dia.	Speed (fpm)	H.P.		S	T	S	T			US (short) Tons	Metric Tonnes
GB2M05-040S20-2	40	20/3.3	7.5/1.25	4-7/16	50/16.7	1/4 - 1/12	1650	14-15/16	1-9/16	12-15/16	3-9/16	9-11/16	60	4893	5360

Weights shown are for standard hoists listed. For approximate shipping weights, add 150 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smaller beams, beam must be free of all obstructions, such as clips, suspension bolts and nuts.

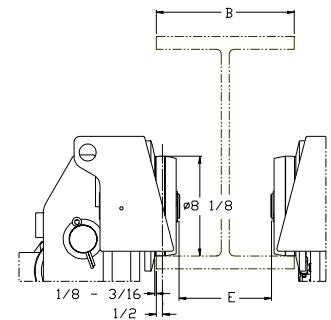
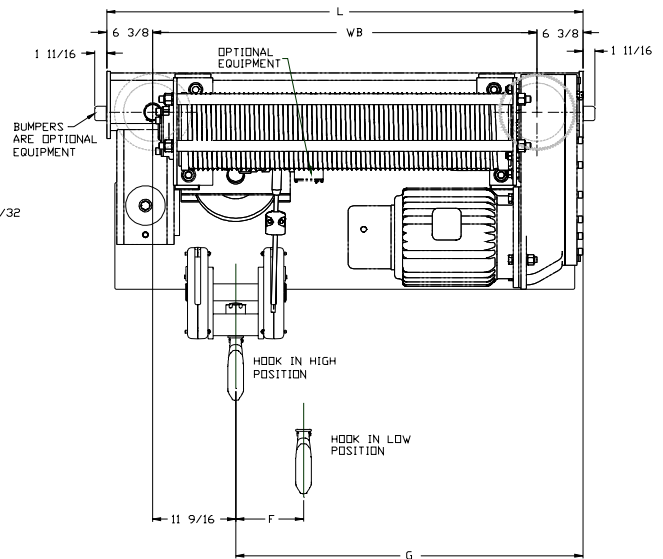
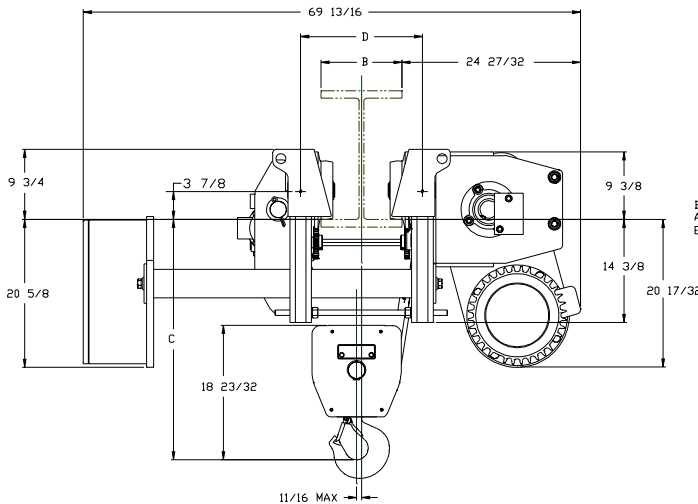
Trolley is capable of running on beams from 4-5/8" - 14" wide with a flange thickness of 1 3/4" as standard.

*Estimated wheel load is stated in US pounds and does not include live or dead load impacts. Wheel load is the maximum produced on one (1) wheel at full load in the high hook position. Wheel load is based on a beam flange width of 14" and will change as the beam flange width changes. Refer to pages 13 & 14 for more detailed information.

7½
TONNE

SINGLE
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MOTOR DRIVEN
TROLLEY



Dimensions Affected by Beam Flange Width

Dimension	Trolley Beam Flange Width - (B)								
	4-5/8	6	8	10	12	14	16	18	20
C	31-3/8	31-11/32	31-1/8	31	30-27/32	30-7/32	29-15/32	28-7/32	25-31/32
D	10-5/32	11-17/32	13-17/32	15-17/32	17-17/32	19-17/32	21-17/32	23-17/32	25-17/32
E	25/32	2-5/32	4-5/32	6-5/32	8-5/32	10-5/32	12-5/32	14-5/32	16-5/32

Dimensions Affected by Lift

Catalog Number	Hoist				Trolley		Wt. (lbs)	WB	F	G	L	Max. High Hook W. L.* (lbs)	
	Max. Lift (ft)	Speed (fpm)	H.P.	Rope No. & Dia.	Speed (fpm)	H.P.						US (short) Tons	Metric Tonnes
GC2M07-025S24-2	25	24/4	15/2.5	4-9/16	50/16.7	1/2 - 1/6	2700	39-1/2	5-15/16	34-5/16	52-1/4	5989	6568
GC2M07-040S24-2	40	24/4	15/2.5	4-9/16	50/16.7	1/2 - 1/6	2950	53-1/2	9-7/16	48-5/16	66-1/4	6690	7337

Weights shown are for standard hoists listed. For approximate shipping weights, add 200 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smaller beams, beam must be free of all obstructions, such as clips, suspension bolts and nuts.

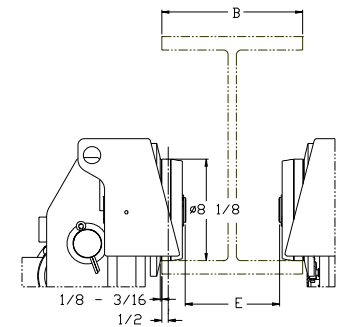
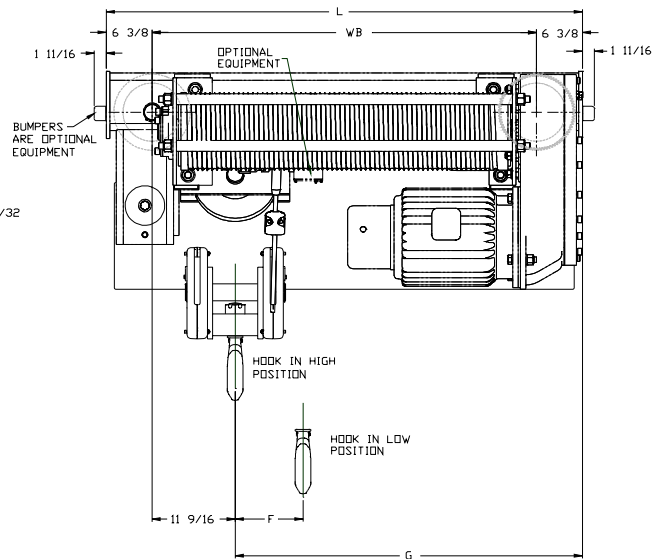
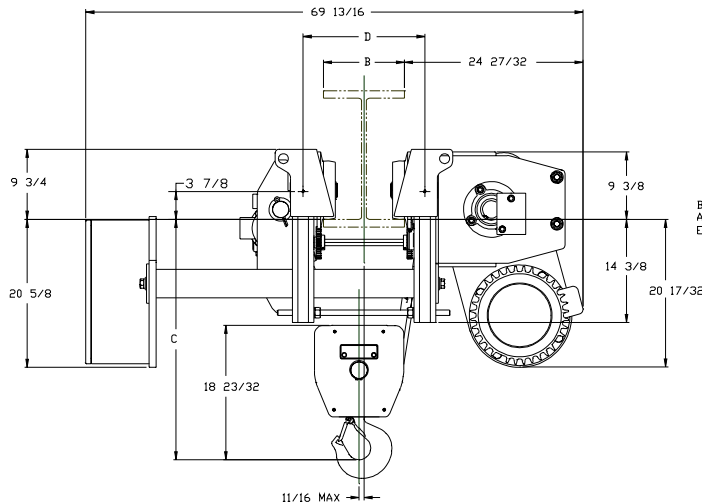
Trolley is capable of running on beams from 4-5/8" - 20" wide with a flange thickness of 2".

*Estimated wheel load is stated in US pounds and does not include live or dead load impacts. Wheel load is the maximum produced on one (1) wheel at full load in the high hook position. Wheel load is based on a beam flange width of 15" and will change as the beam flange width changes. Refer to pages 13 & 14 for more detailed information.

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TONNE

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MOTOR DRIVEN
TROLLEY



Dimensions Affected by Beam Flange Width

Dimension	Trolley Beam Flange Width - (B)								
	4-5/8	6	8	10	12	14	16	18	20
C	31-3/8	31-11/32	31-1/8	31	30-27/32	30-7/32	29-15/32	28-7/32	25-31/32
D	10-5/32	11-17/32	13-17/32	15-17/32	17-17/32	19-17/32	21-17/32	23-17/32	25-17/32
E	25/32	2-5/32	4-5/32	6-5/32	8-5/32	10-5/32	12-5/32	14-5/32	16-5/32

Dimensions Affected by Lift

Catalog Number	Hoist				Trolley		Wt. (lbs)	WB	F	G	L	Max. High Hook W. L.* (lbs)	
	Max. Lift (ft)	Speed (fpm)	H.P.	Rope No. & Dia.	Speed (fpm)	H.P.						US (short) Tons	Metric Tonnes
GC2M10-025S20-2	25	20/3.3	15/2.5	4-9/16	50/16.7	1/2 - 1/6	2750	39-1/2	5-15/16	34-5/16	52-1/4	7872	8644
GC2M10-040S20-2	40	20/3.3	15/2.5	4-9/16	50/16.7	1/2 - 1/6	3000	53-1/2	9-7/16	48-5/16	66-1/4	8794	9657

Weights shown are for standard hoists listed. For approximate shipping weights, add 200 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smaller beams, beam must be free of all obstructions, such as clips, suspension bolts and nuts.

Trolley is capable of running on beams from 4-5/8" - 20" wide with a flange thickness of 2".

*Estimated wheel load is stated in US pounds and does not include live or dead load impacts. Wheel load is the maximum produced on one (1) wheel at full load in the high hook position. Wheel load is based on a beam flange width of 15" and will change as the beam flange width changes. Refer to pages 13 & 14 for more detailed information.

Single Girder Top Running & Underhung Motor Driven Bridge Beam Selections For U.S. (Short) Tons and Metric Tonnes

The following girder selection charts were developed based on the following assumptions;

1. Section designation is in accordance with AISC.
2. Beam sizes listed are American wide flange (W) and channel (C) sections.
3. Use ASTM A 36 grade steel, first quality, free of rust and excessive mill scale
4. The bridge is designed in accordance with CMAA Specification 74, revised 2000 and is based on the following assumptions:

US Short Tons

Rated Load (tons)	Hoist plus Trolley Dead Load (lbs)	* Trolley Wheel Diameter (in)	Allowable Flange Width (in)	Maximum Allowable Flange Thickness (in)
5	1680	6-1/2	4-5/8 - 20	1-3/4
7½	3000	8	4-5/8 - 20	2
10	3000	8	4-5/8 - 20	2

Metric Tonnes

Rated Load (tonnes)	Hoist plus Trolley Dead Load (kg)	* Trolley Wheel Diameter (in)	Allowable Flange Width (in)	Maximum Allowable Flange Thickness (in)
5	762	6-1/2	4-5/8 - 20	1-3/4
7½	1361	8	4-5/8 - 20	2
10	1361	8	4-5/8 - 20	2

DLFB, DLFT, HLF and IFD are assumed to be 1.1, 1.1, .15 and .1 respectively
 Assumed additional dead load (for cross conductors) is 10 lbs./ft. (4.5 kg/ft)
 The bridge is assumed to be an indoor bridge

5. If any of the above assumptions are exceeded contact the factory for beam selection.
6. No additional loading such as footwalks, platforms, cabs, machinery, etc., is allowed.
7. Beam substitution is allowed by going to an increased span, but **not** by going to an increased load.

**Single Girder Top Running & Underhung
Motor Driven Bridge Beam Selections
For U.S. (Short) Tons**

Span Thru (ft)	W	Ww/C	
		W	C
5 Ton Rated Load			
20	W14X82	W18X71	C10X15.3
22	W16X89	W18X71	C10X15.3
24	W16X89	W18X71	C12X20.7
26	W21X93	W21X83	C12X20.7
28	W16X100	W21X83	C12X20.7
30	W16X100	W21X83	C12X20.7
32	W16X100	W21X93	C12X20.7
34	W18X119	W21X93	C12X20.7
36	W18X119	W21X93	C12X20.7
38	W18X119	W21X93	C12X20.7
40	W18X119	W21X93	C12X30
42	W18X119	W21X93	C15X33.9
44	W21X132	W24X103	C15X33.9
46	W21X132	W24X103	C15X33.9
48	W24X146	W24X103	C15X33.9
50	W27X161	W24X103	C15X33.9
52	W27X161	W24X103	C15X33.9
54	W30X173	W24X103	MC18X42.7
56	W27X178	W24X103	MC18X42.7
58	W30X191	W24X103	MC18X58
60	W30X211	W30X124	MC18X42.7

Span Thru (ft)	W	Ww/C	
		W	C
7½ Ton Rated Load			
20	W18X119	W21X93	C12X20.7
22	W18X119	W21X93	C12X20.7
24	W18X119	W21X93	C12X30.0
26	W18X119	W21X93	C15X33.9
28	W18X130	W21X93	MC18X42.7
30	W18X130	W27X114	C15X33.9
32	W18X130	W18X119	C15X33.9
34	W18X130	W18X119	C15X40
36	W18X143	W27X129	C15X33.9
38	W18X143	W27X129	C15X33.9
40	W24X162	W27X129	C15X33.9
42	W24X162	W27X129	C15X33.9
44	W24X162	W27X129	C15X33.9
46	W24X176	W27X129	C15X33.9
48	W27X178	W18X143	C15X33.9
50	W30X191	W30X148	C15X40
52	W33X201	W30X148	MC18X42.7
54	W30X211	W30X148	MC18X42.7
56	W30X211	W30X148	MC18X42.7
58	W30X235	W30X148	MC18X45.8
60	W33X241	W36X170	MC18X45.8

10 Ton Rated Load			
20	W18X130	W18X119	C15X33.9
22	W18X130	W18X130	C15X33.9
24	W18X130	W18X130	C15X33.9
26	W18X143	W18X130	C15X33.9
28	W18X143	W18X130	C15X33.9
30	W18X143	W18X130	C15X33.9
32	W24X162	W18X143	C15X33.9
34	W21X166	W18X143	C15X33.9
36	W21X166	W18X143	C15X33.9
38	W21X166	W18X158	C15X33.9
40	W24X176	W18X158	C15X33.9
42	W27X194	W18X158	C15X33.9
44	W27X194	W18X175	C15X33.9
46	W27X194	W18X175	C15X33.9
48	W30X211	W18X175	C15X33.9
50	W30X211	W18X192	C15X40
52	W36X230	W24X192	MC18X42.7
54	W30X235	W24X192	MC18X42.7
56	W33X241	W24X192	MC18X42.7
58	W36X260	W24X192	MC18X42.7
60	W36X280	W24X207	MC18X42.7

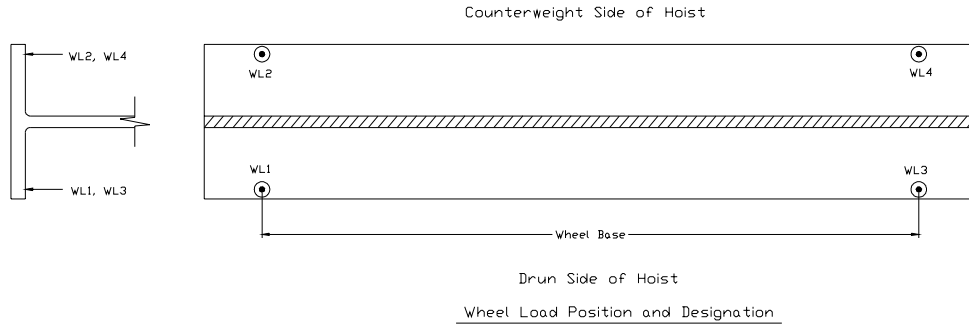
**Single Girder Top Running & Underhung
Motor Driven Bridge Beam Selections
For Metric Tonnes**

Span Thru (ft)	W	Ww/C	
		W	C
5 Tonne Rated Load			
20	W16X89	W21X83	C12X20.7
22	W21X93	W21X83	C12X20.7
24	W21X93	W21X83	C12X20.7
26	W16X100	W21X93	C12X20.7
28	W16X100	W21X93	C12X20.7
30	W27X114	W21X93	C12X20.7
32	W27X114	W21X93	C12X20.7
34	W18X119	W21X93	C12X20.7
36	W18X119	W24X103	C12X20.7
38	W18X119	W24X103	C12X20.7
40	W18X130	W24X103	C12X20.7
42	W18X130	W24X103	C12X30
44	W18X143	W24X103	C15X33.9
46	W24X146	W24X103	C15X33.9
48	W24X146	W24X103	MC18X42.7
50	W27X161	W24X103	MC18X42.7
52	W30X173	W30X124	MC18X42.7
54	W27X178	W30X124	MC18X42.7
56	W30X191	W27X129	MC18X42.7
58	W30X211	W27X129	MC18X42.7
60	W30X211	W27X129	MC18X42.7

Span Thru (ft)	W	Ww/C	
		W	C
7½ Tonne Rated Load			
20	W18X119	W24X103	C12X20.7
22	W18X119	W24X103	C12X20.7
24	W18X130	W24X103	C12X20.7
26	W18X130	W18X119	C15X33.9
28	W18X130	W18X119	C15X33.9
30	W18X130	W27X129	C15X33.9
32	W18X143	W27X129	C15X33.9
34	W18X143	W27X129	C15X33.9
36	W18X143	W27X129	C15X33.9
38	W24X162	W27X129	C15X33.9
40	W24X162	W27X129	C15X33.9
42	W24X162	W18X143	C15X33.9
44	W24X176	W18X143	C15X33.9
46	W30X191	W30X148	C15X33.9
48	W30X191	W30X148	C15X40
50	W33X201	W30X148	MC18X42.7
52	W30X211	W30X148	MC18X42.7
54	W30X211	W30X148	MC18X42.7
56	W30X235	W30X148	MC18X42.7
58	W33X241	W24X176	MC18X42.7
60	W36X260	W24X176	MC18X42.7

10 Tonne Rated Load			
20	W18X130	W18X130	C15X33.9
22	W18X143	W18X130	C15X33.9
24	W18X143	W18X130	C15X33.9
26	W18X143	W18X143	C15X33.9
28	W24X162	W18X143	C15X33.9
30	W21X166	W18X143	C15X33.9
32	W21X166	W18X143	C15X33.9
34	W24X176	W18X158	C15X33.9
36	W24X176	W18X158	C15X33.9
38	W27X194	W18X158	C15X33.9
40	W27X194	W18X175	C15X33.9
42	W30X211	W18X175	C15X33.9
44	W27X217	W18X175	C15X33.9
46	W27X217	W18X192	C15X33.9
48	W27X217	W18X192	C15X33.9
50	W30X235	W24X192	MC18X42.7
52	W30X235	W24X192	MC18X42.7
54	W33X241	W24X207	MC18X42.7
56	W36X260	W24X207	MC18X42.7
58	W36X280	W24X207	MC18X42.7
60	W36X300	W27X217	MC18X42.7

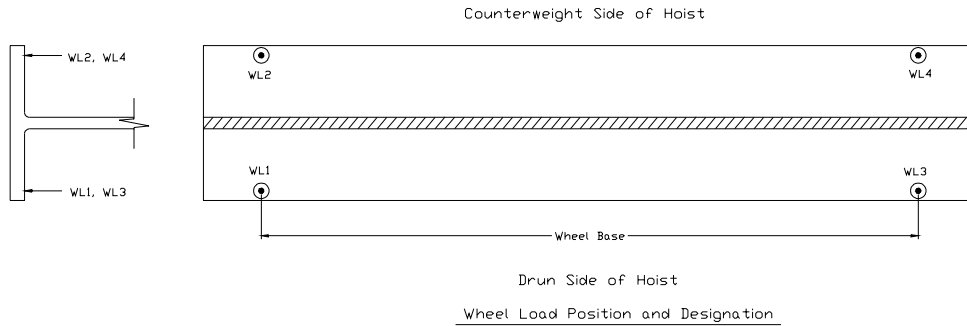
Wheel Load Summary



Capacity	Wheel Base (in)	Beam Flange Width	Wheel Load (#)						*C. of G. Wheel Load Pairs
			WL1	WL2	LH Pair	WL3	WL4	RH Pair	
5 Tonne	19½ & 16	20"	4435	3942	8377	1910	2218	4128	5.282
		14"	4405	3967	8372	1912	2221	4133	5.289
		10"	4364	4001	8365	1915	2225	4140	5.297
		8.5"	4339	4022	8360	1917	2228	4145	5.303
		6"	4268	4080	8349	1922	2234	4156	5.318
	38.125	20"	5188	5313	10501	1163	1041	2204	6.614
		14"	5141	5360	10501	1149	1055	2204	6.614
		10"	5046	5455	10501	1122	1082	2204	6.614
		8.5"	4996	5505	10501	1107	1097	2204	6.614
		6"	4857	5644	10501	1067	1137	2204	6.614
5 Ton	19½ & 16	20"	4064	3597	7661	1782	2038	3819	5.323
		14"	4043	3614	7657	1784	2039	3823	5.328
		10"	4002	3648	7650	1790	2040	3830	5.339
		8.5"	3980	3666	7646	1793	2041	3834	5.344
		6"	3919	3716	7635	1802	2043	3845	5.359
	38.125	20"	4747	4850	9597	1104	979	2083	6.800
		14"	4704	4893	9597	1091	992	2083	6.800
		10"	4617	4980	9597	1064	1019	2083	6.800
		8.5"	4571	5026	9597	1050	1033	2083	6.800
		6"	4443	5154	9597	1011	1072	2083	6.800
7.5 Tonne	39.5	20"	6223	6418	12641	3519	3108	6627	13.586
		15"	6073	6568	12641	3436	3191	6627	13.586
		10"	5773	6869	12642	3271	3356	6627	13.585
		8.5"	5614	7027	12641	3184	3443	6627	13.586
	53.5	20"	6944	7170	14114	3004	2420	5424	14.852
		15"	6777	7337	14114	2934	2490	5424	14.852
		10"	6442	7672	14114	2796	2628	5424	14.852
		8.5"	6264	7849	14113	2722	2702	5424	14.853
7.5 Ton	39.5	20"	5729	5851	11580	3297	2853	6150	13.701
		15"	5591	5989	11580	3220	2931	6151	13.703
		10"	5315	6265	11580	3065	3084	6149	13.700
		8.5"	5169	6411	11580	2984	3166	6150	13.701
	53.5	20"	6392	6535	12927	2840	2232	5072	15.076
		15"	6238	6690	12928	2774	2297	5071	15.073
		10"	5930	6998	12928	2644	2428	5072	15.075
		8.5"	5768	7160	12928	2575	2497	5072	15.075

* Distance in inches from LH Wheel Pair Center Line

Wheel Load Summary



Capacity	Wheel Base (in)	Beam Flange Width	Wheel Load (#)					*C. of G. Wheel Load Pairs	
			WL1	WL2	LH Pair	WL3	WL4		RH Pair
10 Tonne	39.5	20"	7993	8450	16443	4315	4021	8336	13.288
		15"	7800	8644	16444	4213	4124	8337	13.289
		10"	7413	9032	16445	4008	4328	8336	13.287
	53.5	20"	8923	9441	18364	3592	3094	6686	14.279
		15"	8707	9657	18364	3508	3179	6687	14.281
		10"	8275	10089	18364	3340	3346	6686	14.279
10 Ton	39.5	20"	7335	7694	15029	4019	3681	7700	13.382
		15"	7157	7872	15029	3924	3777	7701	13.383
		10"	6803	8227	15030	3734	3966	7700	13.381
	53.5	20"	8187	8596	16783	3373	2843	6216	14.460
		15"	7989	8794	16783	3294	2922	6216	14.460
		10"	7593	9190	16783	3138	3079	6217	14.461

* Distance in inches from LH Wheel Pair Center Line

Yale® HOISTS



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