



# Price and Specification Book

## Top Running & Under Running



Prices effective November 24, 2008  
All prices are F.O.B. Muskegon, MI

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## 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 Lift-Tech International's 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 CraneSource™ Customer Service Departments. Reference the back cover for addresses and phone numbers.

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This section contains typical single girder top and underhung crane component packages for the most popular span and capacity combinations. Individual components are offered at the end of this catalog.

## KIT NUMBERING SYSTEM

• Pricing and ordering quality CraneSource™ Components to build a Single Girder Crane has just been made easier. The kit numbering system is designed to insure that you get the correct combinations of features and components required to build your crane. You also have the ability to add options to the kits or purchase specific individual components.

### Example:

05 /48TD\*100N

<u>05</u>	<u>/48</u>	<u>T</u>	<u>D</u>	*	<u>100</u>	<u>N</u>
A	B	C	D	E	F	G

**A** = Maximum Capacity in U.S. tons

**B** = Maximum Span in feet

**C** = Type of Crane

- **T** = Top-Running

- **U** = Under-Running

**D** = Type of Drive

- **D** = Dual, A-4

- **H** = Hand-Geared

**E** = Speed Points of Control. You fill in. 1 or 2 speed, or V for Variable Frequency, not required for Hand-Geared.

**F** = Maximum Bridge Speed in F.P.M.

**G** = Panel enclosure

- **N** = NEMA 4/12

**Specify Power Supply with order.**

**DUAL (A-4) DRIVE - NEW STYLE TRUCKS**  
 for US (short) tons

Kit pricing with NEMA 4/12 panel with disconnect

Max. Capacity (tons)	Max. Span (ft.)	Max. Travel Speed (fpm)	Kit Number	LIST PRICE WITH CONTROL			KIT CONSISTS OF:					
				1-Speed	2-Speed	†Variable Frequency	Shipping Weight	Wheel Diameter	Wheel Base	Drive H.P.		
5	36	50	05/36TD*50N	6068	6405	7028	1103	6	4' - 6"	1/2		
		75	05/36TD*75N	6068	6405	7028						
		100	05/36TD*100N	6068	6405	7028						
		125	05/36TD*125N	N/A	7044	7065						
		150	05/36TD*150N	N/A	7044	7065						
	48	50	05/48TD*50N	6165	6500	7125	1199		6' - 0"	1/2		
		75	05/48TD*75N	6165	6500	7125						
		100	05/48TD*100N	6202	6588	7161						
		125	05/48TD*125N	N/A	7141	7161						
		150	05/48TD*150N	N/A	7228	7200					1219	1
	60	50	05/60TD*50N	6300	6636	7260	1297		7' - 6"	1/2		
		75	05/60TD*75N	6300	6636	7260						
		100	05/60TD*100N	6338	6721	7298						
		125	05/60TD*125N	N/A	7364	7336						
		150	05/60TD*150N	N/A	7364	7336					1317	1
7½	36	50	7.5/36TD*50N	6068	6405	7028	1103	for use with 25-40# Rail	4' - 6"	1/2		
		75	7.5/36TD*75N	6107	6491	7065						
		100	7.5/36TD*100N	6145	6577	7103					1123	
		125	7.5/36TD*125N	N/A	8741	7535					1133	
		150	7.5/36TD*150N	N/A	9246	8318					1153	2
	48	50	7.5/48TD*50N	6202	6588	7161	1199		6' - 0"	3/4		
		75	7.5/48TD*75N	6241	6674	7200					1219	
		100	7.5/48TD*100N	6513	7606	7632					1229	1-1/2
		125	7.5/48TD*125N	N/A	8839	7632						
		150	7.5/48TD*150N	N/A	9342	8414						
	60	50	7.5/60TD*50N	6338	6721	7298	1297		7' - 6"	3/4		
		75	7.5/60TD*75N	6376	6809	7336	1317					
		100	7.5/60TD*100N	6645	7739	7765	1327					
		125	7.5/60TD*125N	N/A	9477	8548	1347				1-1/2	
		150	7.5/60TD*150N	N/A	9477	8548						2

\* **Specify:** 1 = Single Speed  
 2 = Two Speed  
 V = Variable Frequency

**Kit Consists of:** 2 End Trucks with bumpers & rail sweeps  
 2 Drives, each with brake motor & pinion

1 Control panel with disconnect  
 End connections are optional

**Watch 230v amp draws** - 1-3 hp panels have 30 amp disconnect, 5-10 hp panels have 60 amp.

**Specify Voltage When Ordering** – Components detailed in application guide.

**Note:** 125 & 150 fpm kits are available only in two speed control with soft start or variable frequency control.  
 Two speed control at 50 fpm is a 2:1 ratio. All other traverse speeds have a 3:1 ratio.

† List prices are based on 230/460/3/60 power. For 575 volt applications - See Fixed Axle Options Section.

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**DUAL (A-4) DRIVE - NEW STYLE TRUCKS**  
 for US (short) tons

Kit pricing with NEMA 4/12 panel with disconnect

Max. Capacity (tons)	Max. Span (ft.)	Max. Travel Speed (fpm)	Kit Number	LIST PRICE WITH CONTROL			KIT CONSISTS OF:				
				1-Speed	2-Speed	†Variable Frequency	Shipping Weight	Wheel Diameter	Wheel Base	Drive H.P.	
10	36	50	10/36TD*50N	7093	7427	8052	1251	8	4' - 6"	1/2	
		75	10/36TD*75N	7130	7514	8089				3/4	
		100	10/36TD*100N	7168	7601	8127	1271			1	
		125	10/36TD*125N	N/A	9765	8558				1 1/2	
		150	10/36TD*150N	N/A	10269	9341				2	
	48	50	10/48TD*50N	7279	7663	8239	1399		for use with 30-40# or 60-80# Rail	6' - 0"	3/4
		75	10/48TD*75N	7316	7752	8276					1
		100	10/48TD*100N	7588	8682	8707					1 1/2
		125	10/48TD*125N	N/A	9915	8707					2
	150	10/48TD*150N	N/A	10419	9491	1434	2				
	60	50	10/60TD*50N	7428	7812	8388	1507		7' - 6"	3/4	
		75	10/60TD*75N	7466	7901	8426				1	
		100	10/60TD*100N	7736	8833	8856	1527			1 1/2	
		125	10/60TD*125N	N/A	10568	9640				2	
		150	10/60TD*150N	N/A	10568	9640				2	
15	36	50	15/36TD*50N	8726	9109	9684	1457	10	4' - 6"	3/4	
		75	15/36TD*75N	9033	10126	10152				1477	1 1/2
		100	15/36TD*100N	9033	10126	10152	2				
		125	15/36TD*125N	N/A	11864	10937	1497				3
		150	15/36TD*150N	N/A	12307	11708	1537			3	
	48	50	15/48TD*50N	8899	9335	9858	1605		for use with 60-80# Rail	6' - 0"	1
		75	15/48TD*75N	9171	10265	10289					1 1/2
		100	15/48TD*100N	9528	10772	10389	1625				2
		125	15/48TD*125N	N/A	12445	11846					3
		150	15/48TD*150N	N/A	12445	11846					3
	60	50	15/60TD*50N	9034	9469	9995	1733		7' - 6"	1	
		75	15/60TD*75N	9306	10398	10425				1 1/2	
		100	15/60TD*100N	9662	10905	11209	1753			2	
		125	15/60TD*125N	N/A	12580	11981				3	
		150	15/60TD*150N	N/A	12580	11981				3	

\* **Specify:** 1 = Single Speed  
 2 = Two Speed  
 V = Variable Frequency

**Kit Consists of:** 2 End Trucks with bumpers & rail sweeps  
 2 Drives, each with brake motor & pinion

1 Control panel with disconnect  
 End connections are optional

**Watch 230v amp draws** - 1-3 hp panels have 30 amp disconnect, 5-10 hp panels have 60 amp.

**Specify Voltage When Ordering** – Components detailed in application guide.

**Note:** 125 & 150 fpm kits are available only in two speed control with soft start or variable frequency control.

Two speed control at 50 fpm is a 2:1 ratio. All other traverse speeds have a 3:1 ratio.

† List prices are based on 230/460/3/60 power. For 575 volt applications - See Fixed Axle Options Section.

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### HAND GEARED

Max. Capacity (tonnes)	Max. Span (ft)	Kit Number	List Price*	Shipping Weight (lbs)	Wheel Diameter	Wheel Base
1/2 thru 5	12	05/12TR	3712	853	6 for use with 25-40# Rail	4' - 6"
	22	05/22TR	3804	856		
	28	05/28TR	3990	862		
	36	05/36TR	4086	865		6' - 0"
	42	05/42TR	4367	967		
	48	05/48TR	4460	970		
	52	05/52TR	4596	1158		
	60	05/60TR	4689	1161		
6 thru 7½	12	7.5/12TR	3712	943	8 for use with 25-40# or 60-80# Rail	4' - 6"
	22	7.5/22TR	3804	946		
	28	7.5/28TR	3990	952		
	36	7.5/36TR	4086	955		6' - 0"
	42	7.5/42TR	4367	1057		
	48	7.5/48TR	4460	1060		
	52	7.5/52TR	4596	1058		
	60	7.5/60TR	4689	1061		
8 thru 10	12	10/12TR	4734	1091	10 for use with 60-80# Rail	4' - 6"
	22	10/22TR	4828	1094		
	28	10/28TR	5015	1100		
	36	10/36TR	5107	1103		6' - 0"
	42	10/42TR	5443	1237		
	48	10/48TR	5538	1240		
	52	10/52TR	5687	1368		
	60	10/60TR	5781	1371		
11 thru 15	12	15/12TR	6329	1297	10 for use with 60-80# Rail	4' - 6"
	22	15/22TR	6422	1300		
	28	15/28TR	6609	1306		
	36	15/36TR	6704	1309		6' - 0"
	42	15/42TR	7026	1443		
	48	15/48TR	7120	1446		
	52	15/52TR	7256	1574		
	60	15/60TR	7348	1577		

**\*Kit Consists of:** (1) Pair of End Trucks (1) 8282 Hand Chain with Open Link (36 ft.)  
 (2) 229984-1 Hand Geared Drive Adapters Cross Shaft Bearing Assemblies & Cross Shaft Coupling  
 (1) 913115 Hand Chain & Wheel Guide Assembly (see chart below for quantities)

Max Span (ft)	Cross Shaft** Bearing Assy		Cross Shaft** Coupling	
	Qty.	Catalog No.	Qty.	Catalog No.
12	1	904625	2	8280
22	2			
28	3			
36	4			
42	5			
48	6			
52	7			
60	8			

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**\*\*Note:** List price based on using a 1-3/16" diameter cross shaft (by others).

**DUAL (A-4) DRIVE - NEW STYLE TRUCKS  
for US (short) tons**

Kit pricing with NEMA 4/12 panel with disconnect

Max. Capacity (tons)	Max. Span (ft)	Max. Travel Speed (fpm)	Beam Flange Range**	Kit Number	LIST PRICE WITH CONTROL			KIT CONSISTS OF:					
					1-Speed	2-Speed	†Variable Frequency	Shipping Weight	Wheel Diameter	Wheel Base	Drive H.P.		
5	36	65	4-5/8" - 6"  1-1/16" max flange thickness*	05/36UD*65N	7726	8073	8721	1235	6-1/2	4' - 6"	1/2		
		95		05/36UD*95N	7726	8073	8721				1245	3/4	
		115		05/36UD*115N	N/A	8739	8762	1345					6' - 0"
		135		05/36UD*135N	N/A	8739	8762				1365	3/4	
	48	65		05/48UD*65N	8112	8461	9109	1475		7' - 6"			
		95		05/48UD*95N	8112	8461	9109				1505	1	
		115		05/48UD*115N	N/A	9126	9149	1615					4' - 6"
		135		05/48UD*135N	N/A	9126	9149				1635	1 1/2	
	60	65		05/60UD*65N	8364	8714	9362	1761		6' - 0"			
		95		05/60UD*95N	8403	8803	9401				1781	1	
		115		05/60UD*115N	N/A	9470	9441	1903					7' - 6"
		135		05/60UD*135N	N/A	9470	9441				1923	1	
	10	36	65	5-1/2" - 6"  1-1/4" max flange thickness*	10/36UD*65N	9375	9776	10373	1615	8			
			95		10/36UD*95N	9415	9866	10412			1635	1	
			115		10/36UD*115N	N/A	12115	10861	1761				6' - 0"
			135		10/36UD*135N	N/A	12115	10861			1781	1 1/2	
48		65	10/48UD*65N		9795	10194	10793	1903	7' - 6"				
		95	10/48UD*95N		9834	10287	10832				1923	1	
		115	10/48UD*115N		N/A	12536	11279	1983					1 1/2
		135	10/48UD*135N		N/A	12536	11279				1983	1 1/2	
60		65	10/60UD*65N		9981	10380	10978	1983	7' - 6"				3/4
		95	10/60UD*95N		10019	10472	11018				1983	1	
		115	10/60UD*115N		N/A	12720	11464	1983					1 1/2
		135	10/60UD*135N		N/A	12720	11464				1983	1 1/2	

\* **Specify:** 1 = Single Speed  
2 = Two Speed  
V = Variable Frequency

**Kit Consists of:** 2 End Trucks  
2 Drives, each with brake, motor & pinion  
1 Control Panel with disconnect

**Bumpers are optional - For thicker runway flange applications - contact**

**factory**

**\*\*Add for** For 6-1/8" - 7 1/2" **\$55** Add to the kit price  
**Wider Beams -** For 7-5/8" - 9" **\$166**  
**For 6 1/2" & 8" Trucks** For 9-1/8" - 10 1/2" **\$275**  
For 10-5/8" - 12" **\$385**  
**For 3/4" Patented Track** (6-1/2" wheel only) **\$673**

**Specify Voltage When Ordering** – Components detailed in application guide.

**Note:** 115 fpm and 135 fpm kits are available only in two speed control with soft-start or variable frequency control.

**Watch 230v amp draws** - 1-3 hp panels have 30 amp disconnect, 5-10 hp panels have 60 amp.

† List prices are based on 230/460/3/60 power. For 575 volt applications - See Fixed Axle Options Section.

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## HAND GEARED

Max. Capacity (tonnes)	Max. Span (ft)	Runway Beam Range		Kit Number	List Price***	Shipping Weight (lbs)	Wheel Diameter	Wheel Base
		Width (in)	Min. Depth (in)					
1/2 thru 5	12	4-5/8 thru 6 1-1/16" max flange thickness*	10**	05/12UH/*	5275	1175	6-1/2"	4' - 6"
	22			05/22UH/*	5373	1178		
	28			05/28UH/*	5566	1184		
	36			05/36UH/*	5663	1187		
	42			05/42UH/*	6243	1313		6' - 0"
	48			05/48UH/*	6341	1316		
	52			05/52UH/*	6595	1436		
	60			05/60UH/*	6692	1439		
6 thru 10	12	5-1/2" - 6" 1-1/4" max flange thickness*	14**	10/12UH/*	6886	1565	8"	4' - 6"
	22			10/22UH/*	6985	1568		
	28			10/28UH/*	7178	1574		
	36			10/36UH/*	7274	1577		
	42			10/42UH/*	7889	1729		6' - 0"
	48			10/48UH/*	7986	1732		
	52			10/52UH/*	8169	1874		
	60			10/60UH/*	8268	1877		

	Code No.	Flange Width	Add \$	***Kit Consists of:
*Identify Flange Width and Adder	1	= 4-5/8 - 6	\$0	(1) Pair of End Trucks
	2	= 6-1/8 - 7-1/2	45	(2) 229984-1 Hand Geared Drive Adapters
	3	= 7-5/8 - 9	162	(1) 913115 Hand Chain & Wheel Guide Assembly
	4	= 9-1/8 - 10-1/2	226	(1) 8282 Hand Chain with Open Link (36 ft.)
	5	= 10-5/8 - 12	255	Cross Shaft Bearing Assemblies & Cross Shaft Coupling
	6	= Patented track ( 6 1/2" wheel only)	673	(see chart below for quantities)

For thicker runway flange applications - contact factory

\*\*Please see page 12 in the Crane Components Specification Catalog for calculating more precise minimum beam depths.

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Max Span (ft)	Cross Shaft** Bearing Assy		Cross Shaft** Coupling	
	Qty.	Catalog No.	Qty.	Catalog No.
12	1	904625	2	8280
22	2			
28	3			
36	4			
42	5			
48	6			
52	7			
60	8		4	

\*Note: List price based on using a 1-3/16" diameter cross shaft (by others).

This section contains double girder component packages for various span and capacity combinations and individual component pricing.

Individual bridge components are found near the end of this catalog.

## ***KIT NUMBERING SYSTEM***

• Pricing and ordering quality CraneSource™ Components to build a Double Girder Top Running Crane has just been made easier. The value package kit numbering system is designed to insure that you get the correct combinations of features and components required to build your crane. You also have the ability to add options to the kits or purchase specific individual components.

### **Example:**

$\frac{8}{A} \quad \frac{F}{B} \quad \frac{7.5}{C} / \frac{.75}{D} - \frac{1}{E} - \frac{*}{F}$

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**A** = Wheel diameter in inches

**B** = Type of wheel

- **F** = Fixed Axle
- **R** = Rotating Axle

**C** = Wheelbase in feet

**D** = H.P. of each drive motor

**E** = Speed points of control (you fill in).

1-speed,

2-speed, V-Variable Frequency

**F** = Traverse Speed

**Specify Power Supply with order.**

## Based on Individual (A-4) Drives

### Single Speed Packages (Do not use for speeds over 100 F.P.M.)

Kit Number	Wheel Diameter (in)	Wheel Base	Motor H.P.	List Prices		Weight (lbs)	Wheel Base Adder	
				Package**	Control Deduct		9'	10' - 6"
8F7.5/1.0-1-*	8	7' - 6"	3/4	7428	1437	1387	572	654
8F7.5/1.5-1-*			1	7464	1437	1407	572	654
8F7.5/2.0-1-*			1-1/2	7736	1437	1407	572	654
8F7.5/3.0-1-*			2	8096	1696	1427	572	654
10F7.5/1.0-1-*			3	8453	1959	1467	572	654
10F7.5/1.5-1-*	10	7' - 6"	1	9033	1437	1613	595	673
10F7.5/2.0-1-*			1-1/2	9304	1437	1613	595	673
10F7.5/3.0-1-*			2	9653	1696	1633	595	673
			3	10019	1959	1673	595	673

### Two Speed Packages (Use with E.A.C. for speeds over 100 F.P.M.)

Kit Number	Wheel Diameter (in)	Wheel Base	Motor H.P.	LIST PRICES		Weight (lbs)	Wheel Base Adder	
				Package**	Control Deduct		9'	10' - 6"
8F7.5/1.0-2-*	8	7' - 6"	3/4	7812	1489	1407	572	654
8F7.5/1.5-2-*			1	7901	1489	1427	572	654
8F7.5/2.0-2-*			1-1/2	8834	1489	1427	572	654
8F7.5/3.0-2-*			2	9340	1792	1447	572	654
10F7.5/1.0-2-*			3	9852	2100	1487	572	654
10F7.5/1.5-2-*	10	7' - 6"	1	9085	1489	1633	595	673
10F7.5/2.0-2-*			1-1/2	9357	1489	1633	595	673
10F7.5/3.0-2-*			2	9806	1792	1653	595	673
			3	10163	2100	1693	595	673

**Kit Consists of:** 2 End Trucks with Bumpers

**SPECIFY VOLTAGE WHEN ORDERING**

1 NEMA 4/12 Control Panel with disconnect

**Drives, each with:** Motor, AC Disc Brake, Reducer, Drive Pinion

\* Specify: Traverse Speed Rail Size

**Watch 230v amp draws** - 1-3 hp panels have 30 amp disconnect, 5-10 hp panels have 60 amp.

**Note:** Drives are shipped assembled but not mounted to the trucks. Add 5% to weights for approximate shipping weights.

\*\*See pages 11-16 for hp requirements

\*\*\*When selecting bridge motor hp shown on this page, motors are sized based on 66% of the total calculated hp required for contactor or variable frequency drive (VFD) control. However, if the reverse plugging feature of the VFD is to be used, motors should be sized to 75% of the total calculated hp required to get full reverse plugging performance.

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**Based on Individual (A-4) Drives (cont.) †**

**Variable Frequency Drive Packages (2 Step Infinitely Variable based on 460 Volts)**

Kit Number	Wheel Diameter (in)	Wheel Base	Motor*** H.P.	LIST PRICES		Weight (lbs)	Wheel Base Adder	
				Package** Price	Control Deduct		9'	10' - 6'
8F7.5/1.75-V*	8	7' - 6"	3/4	8408	2420	1367	572	654
8F7.5/1.0-V*			1	8446	2420	1387	572	654
8F7.5/1.5-V*			1-1/2	8822	2522	1387	572	654
8F7.5/2.0-V*			2	9601	3201	1407	572	654
8F7.5/3.0-V*			3	11187	4690	1407	572	654
10F7.5/1.0-V*	10	7' - 6"	1	10015	2420	1593	595	673
10F7.5/1.5-V*			1-1/2	10390	2522	1593	595	673
10F7.5/2.0-V*			2	11167	3201	1613	595	673
10F7.5/3.0-V*			3	12752	4690	1613	595	673

**Kit Consists of:** 2 End Trucks with Bumpers  
 1 NEMA 4/12 Control Panel with disconnect  
**Drives, each with:** Motor, AC Disc Brake, Reducer, Drive Pinion

**SPECIFY VOLTAGE WHEN ORDERING**

\* **Specify: Traverse Speed Rail Size**

**Watch 230v amp draws** - 1-3 hp panels have 30 amp disconnect, 5-10 hp panels have 60 amp.

**Note:** Drives are shipped assembled but not mounted to the trucks. Add 5% to weights for approximate shipping weights.

\*\*See pages 11-16 for hp requirements

\*\*\*When selecting bridge motor hp shown on this page, motors are sized based on 66% of the total calculated hp required for contactor or variable frequency drive (VFD) control. However, if the reverse plugging feature of the VFD is to be used, motors should be sized to 75% of the total calculated hp required to get full reverse plugging performance.

†For 575 volt applications - See Fixed Axle Options Section.

[Go To Options Page](#)

This section contains individual double girder crane components for fixed and rotating axle end trucks. Price for the following components are found in this section:

**End Trucks****Drive Reducers****Motors and Brake****Control Panels**

## **New Fixed Axle, Top Running Tube-Frame End Truck**

### ***Catalog Numbering System***

The following end truck catalog numbering system makes ordering a pair of end trucks for a specific application easier and insures that you will receive exactly what you ordered.

Example - Typical Single Girder Truck

Catalog Number as Cataloged - Less Options

#### **Example:**

**TRFA6072AR2**

<u>TRFA6</u>	<u>072</u>	<u>A</u>	<u>R2</u>
A	B	C	D

---

#### **A Truck Type & Wheel Diameter**

**TRFA6** Top-running, fixed axle - 6" diameter wheel

**TRFA8** Top-running, fixed axle - 8" diameter wheel

**TRFA10** Top-running, fixed axle - 10" diameter wheel

#### **B Wheelbase - Inches**

#### **C Runway Rail Size**

**A** 30# - 40# ASCE

**B** 60# - 105# ASCE

#### **D Bumper Type\***

\*To insure proper bumper selection check pages 51-54 in the CraneSource Crane Components Specification Book #CS/L-1002-0505.

## Top-Running

**Single Girder Fixed Axle End Trucks** - 1 pair with conical bumpers and welded rail sweeps

Catalog Number	Max. Cap. (tons)	Wheel Base	A.S.C.E. Rail	List Price	Wt. (lbs)
TRFA6054AR2	7.5*	4'-6"	25 - 40# (6" wheel)	2290	744
TRFA6072AR2		6'-0"		2387	840
TRFA6090AR2		7'-6"		2521	938
TRFA8054AR3	10	4'-6"	30 - 40# (8" wheel)	3313	892
TRFA8072AR3		6'-0"		3463	1020
TRFA8090AR3		7'-6"		3613	1148
TRFA8054BR3		4'-6"	60 - 80# (10" wheel)	3313	892
TRFA8072BR3		6'-0"		3463	1020
TRFA8090BR3		7'-6"		3613	1148
TRFA10054BR3	15	4'-6"	60 - 80# (10" wheel)	4909	1098
TRFA10072BR3		6'-0"		5046	1226
TRFA10090BR3		7'-6"		5181	1354

### Double Girder Fixed Axle End Trucks

1 pair with Conical Bumpers and Rail Sweeps

Catalog Number	Wheel Dia.	Wheel Base	A.S.C.E. Rail	List Price	Wt. (lbs)
TRFA8090AR3	8"	7'-6"	30 - 40#	3613	1148
TRFA8108AR3		9'-0"		4185	1276
TRFA8126AR3		10'-6"		4064	1404
TRFA8090BR3		7'-6"	60 - 80#	3613	1148
TRFA8108BR3		9'-0"		4185	1276
TRFA8126BR3		10'-6"		4064	1404
TRFA10090AR4	10"	7'-6"	30 - 40#	5181	1354
TRFA10108AR4		9'-0"		5529	1482
TRFA10126AR4		10'-6"		5607	1610
TRFA10090BR4		7'-6"	60 - 80#	5181	1354
TRFA10108BR4		9'-0"		5529	1482
TRFA10126BR4		10'-6"		5607	1610

**Drives** - For Top-Running or Under-Running Trucks

**1-Speed** - For use with 1-speed contactor or variable frequency control. 1 pair with brake, motor, reducer & pinion - For either 230/460 or 575 volts - SPECIFY speed and voltage with order.

Catalog Number	H.P.	List Price	Wt. (lbs)
913460	1/2	2340	164
913462	3/4	2378	164
913464	1	2415	184
913466	1-1/2	2687	184
913468	2	2786	204
913469	3	2882	204

**Note:** Do not use 1-speed drives on traverse speeds over 100 fpm.

**Drives** - For Top-Running or Under-Running Trucks

**2-Speed** - For use with 2-speed contactor controls 1 pair with brake, motor, reducer & pinion - For either 230/460 or 575 volts - SPECIFY speed and voltage with order.

Catalog Number	H.P.	List Price	Wt. (lbs)
913470	1/2	2626	174
913471	3/4	2712	174
913472	1	2801	194
913473	1-1/2	3732	194
913474	2	3934	214
913475	3	4137	214

**Note:** Two speed drives over 100 fpm must have solid state soft starts included with the controls.

**"Whales Tail" End Connection** (For Top-Running only)- Following kit consists of two end connections for a single girder crane. Can be used for either a welded or bolted connection. To 60 foot maximum span.

\*2 kits required for double girder applications.

444697-10

When purchasing with components.....**\$698**

When purchasing end connections only .....**763**

### Hand Geared Options

**Hand Geared Adapter** - The adapter contains a drive pinion mounted on a bearing supported stub shaft. The adapter bolts into the same threaded bolt hole arrangement that the gear reducer bolts into. The live shaft (by others) couples to the stub shaft.

229984-1 1 pair of adapters .....**\$683**

Following are component options for the trucks that can be used to fabricate hand geared bridge cranes.

Catalog Number	List Price	Wt. (lbs)
<b>Cross Shaft Bearing</b>		
904625 (1-3/16 Dia.)	92	3
912112 (1-5/16 Dia.)	142	5
<b>Cross Shaft Coupling</b>		
8280 (1-3/16 Dia.)	91	3
912122 (1-5/16 Dia.)		6
<b>Hand Chain Wheel and Guide</b>		
913115 (1-3/16 Bore)	273	10
332189-3 (1-3/16 Bore)		
912116 (1-5/16 Bore)		
<b>Hand Chain with Link</b>		
8282 (36'-0" LG)	187	20
<b>Additional Hand Chain</b>		
Per Linear Foot	3.37	—

## Under-Running

**End Trucks** - 1 pair with rail sweeps, bumpers optional

Catalog Number	Max. Cap. (tons)	Wheel Dia.	Wheel Base	Flange Width	List Price	Wt. (lbs)		
446350-01	5	6-1/2"	4'-6"	4-5/8-6"	3799	976		
446350-02				6-1/8-7-1/2"	3846	994		
446350-03				7-5/8-9"	3959	1010		
446350-04				9-1/8-10-1/2"	4020	1028		
446350-05				10-5/8-12"	4051	1044		
446350-43				3-1/4" Patented Track	4472	950		
446350-06			6'-0"	4-5/8-6"	4186	1096		
446350-07				6-1/8-7-1/2"	4238	1114		
446350-08				7-5/8-9"	4355	1130		
446350-09				9-1/8-10-1/2"	4430	1148		
446350-10				10-5/8-12"	4457	1164		
446350-44				3-1/4" Patented Track	4856	1050		
446350-11			7'-6"	4-5/8-6"	4439	1216		
446350-12				6-1/8-7-1/2"	4488	1234		
446350-13				7-5/8-9"	4616	1250		
446350-14				9-1/8-10-1/2"	4686	1268		
446350-15				10-5/8-12"	4720	1284		
446350-45				3-1/4" Patented Track	5108	1175		
446353-01			10	8"	4'-6"	5-1/2-6"	5411	1366
446353-02						6-1/8-7-1/2"	5461	1384
446353-03						7-5/8-9"	5594	1404
446353-04						9-1/8-10-1/2"	5671	1422
446353-05						10-5/8-12"	5706	1440
446353-06					6'-0"	5-1/2-6"	5831	1512
446353-07	6-1/8-7-1/2"	5886				1530		
446353-08	7-5/8-9"	6032				1550		
446353-09	9-1/8-10-1/2"	6108				1560		
446353-10	10-5/8-12"	6145				1586		
446353-11	7'-6"	5-1/2-6"			6014	1654		
446353-12		6-1/8-7-1/2"			6070	1672		
446353-13		7-5/8-9"			6215	1692		
446353-14		9-1/8-10-1/2"			6290	1710		
446353-15		10-5/8-12"			6328	1728		

### 4' - 0" Wheel base Under-Running Trucks

Add per pair of 4-6" end trucks.....**600**

### Center End Truck -Under-Running Trucks Only

Price for one Center Truck **Use 60% of List Price for std. End Truck**

### Underhung End Truck Spacer Kits\*

End truck spacer kits permit modification of the end truck to run on a different runway beam flange width range. End trucks can be modified to run on larger or smaller flange width ranges by removing the spacers shipped with the truck and replacing with different spacers.

Prices are **per truck, order two kits for one pair of trucks.** The spacer kits consist of two steel spacer blocks, they do not include pinion shafts or pinions.

Catalog Number	Runway Beam Flange Width	List Price	Wt. (lbs)
232556-01	4-5/8" to 6"	212	60
232556-02	6-1/8" to 7-1/2"	244	70
232556-03*	7-5/8" to 9"	296	80
232556-04*	9-1/8" to 10-1/2"	342	90
232556-05*	10-5/8" to 12"	354	100

### \*Underhung End Truck Pinion Kits

In addition to different spacer blocks, you must order longer or shorter pinion shafts. Following are pinion kits to use depending on if you are going up or down in flange width range.

For trucks with a flange width range of 4-5/8" - 7-1/2" pinion kit No. 232557-01 is required, 13-13/16" pinion, **one kit per truck.**

Price for one Pinion kit No. 232557-01 ..... **270**

For trucks with a flange width range of 7-5/8" and up, pinion kit No. 232557-02 is required, 17-5/8" pinion, **one kit per truck.**

Price for one Pinion kit No. 232557-02 ..... **298**

**Spark Resistant Features** - See Options Pages

**Go To Options Page**

### Underhung Bridge Bumpers - (shipped loose)

Prices are **per truck, order two kits for one pair of trucks**

Each kit includes four (4) bumpers

232553-01 6 1/2" Wheel Dia. Truck .....**\$58**

232553-02 8" Wheel Dia. Truck .....**74**

## Fixed Axle

### NEMA 4 Brake

(For outdoor applications) ..... 174

### NEMA 4X Enclosure Adders

Fiberglass ..... 559

Stainless Steel ..... 1217

### Strip Heater Package

(Non Hazardous areas only) ..... 690

Includes: Heaters in both motors & control panel with transformer

### Warning Horn

(must specify method of activation) ..... 349

### Warning Light

(must specify method of activation) ..... 582

### Travel Limit Switch

Single Switch, Bi-Directional (Trip Dog by others)

NEMA 4/12 ..... 695

Intrinsically safe (Hazardous area) ..... 1063

### Disconnect Panel Adders:

60 Amp Panel ..... 209

100 Amp Panel ..... 272

### Thermal Overload Relays:

Single Speed ..... 187

2-Speed ..... 322

### Adjustable EAC (115 Volt Control)

208/230 Volt, 1-2 HP ..... 554

208/230 Volt, 3-6 HP ..... 1232

460 Volt, 1-4 HP ..... 554

460 Volt, 5-10 HP ..... 1232

### Variable Frequency Drive - 575/3/60 Volt

#### Price Adder to standard 460 VFD Panels

3/4 Maximum Motor HP ..... 3915

1 Maximum Motor HP ..... 3915

1½ Maximum Motor HP ..... 3915

2 Maximum Motor HP ..... 3915

3 Maximum Motor HP ..... 3734

## Explosion Proof/Spark Resistant Options

Aluminum Hand Chain ..... 10.12

### Spark Resistant Bronze Wheels

#### Top-Running

6" Bronze Wheels ..... 4244

with Rail Sweeps ..... 4913

8" Bronze Wheels ..... 9380

with Rail Sweeps ..... 10131

10" Bronze Wheels ..... 13787

with Rail Sweeps ..... 14922

### Spark Resistant Wheels - Continued

#### Under-Running

6½" Bronze Wheels ..... 4363

with Rail Sweeps ..... 4919

8" Bronze Wheels ..... 5984

with Rail Sweeps ..... 7006

### \*Explosion Proof Motor/Control\*\* - Add to standard Fixed Axle Kits in this catalog

Division 1			Division 2				
Class 1, Group C & D Class 2, Group F & G		Drive HP	Class 1, Group C & D		Drive HP	Class 2, Group F & G	
1-Speed	2-Speed		1-Speed	2-Speed		1-Speed	2-Speed
9928	11722	1/2	4112	5332	1/2	1208	1806
9928	11722	3/4	4112	5332	3/4	1208	1806
9928	11722	1	4112	5332	1	1208	1806
11170	11735	1-1/2	5295	5346	1-1/2	1208	1806
11170	11735	2	5295	5346	2	1208	1806
11170	11735	3	5295	5346	3	1208	1806

\* Includes Intrinsically Safe Control Circuit, except Class 2 Group F & G, Division 2

\*\*For VFD Controls - Contact Factory

### Variable Frequency Control †

Kit Number	Wheel Base	Max. Span	Traverse Speed/List Price			Weight (lbs)	HP Each Motor	Max. Durability Wheel Load		
			100	120	150			ASCE 20#	ASCE 40#	ASCE 60 & 70# ARA-B 100#
9R4.5/1.0-V-*	4' - 6"	31' - 6"	11849	11849	11935	1264	1	11300	16800	23600
9R4.5/1.5-V-*			12063	12055	12142	1297	1½			
9R4.5/2.0-V-*			12390	12380	12467	1311	2			
9R6.0/1.0-V-*	6' - 0"	42' - 0"	12074	12079	12192	1411	1			
9R6.0/1.5-V-*			12279	12286	12397	1444	1½			
9R6.0/2.0-V-*			12604	12609	12723	1458	2			
9R7.5/1.0-V-*	7' - 6"	52' - 6"	12306	12347	12445	1558	1			
9R7.5/1.5-V-*			12512	12554	12651	1591	1½			
9R7.5/2.0-V-*			12838	12880	12978	1605	2			
9R8.0/1.0-V-*	8' - 0"	56' - 0"	12380	12444	12532	1607	1			
9R8.0/1.5-V-*			12585	12649	12738	1640	1½			
9R8.0/2.0-V-*			12912	12973	13060	1654	2			
9R9.0/1.0-V-*	9' - 0"	63' - 0"	12529	12637	12701	1705	1			
9R9.0/1.5-V-*			12731	12842	12906	1738	1½			
9R9.0/2.0-V-*			13057	13166	13230	1752	2			
9R10.0/1.0-V-*	10' - 0"	70' - 0"	12678	12829	12868	1803	1			
9R10.0/1.5-V-*			12884	13033	13074	1836	1½			
9R10.0/2.0-V-*			13208	13361	13401	1850	2			

\* Specify: Traverse Speed  
Rail Size  
Voltage

Kit Consists of: 2 trucks with bumpers - flat tread wheels are standard  
1 NEMA 4/12 panel with disconnect  
2 Drives, each with Motor, AC disc brake and hollow shaft reducer

**Note:** Use CraneSource Crane Component Specifications catalog to calculate the correct bumper size for your application or call factory.

\*\*When selecting bridge motor hp shown on this page, motors are sized based on 66% of the total calculated hp required for contactor or variable frequency drive (VFD) control. However, if the reverse plugging feature of the VFD is to be used, motors should be sized to 75% of the total calculated hp required to get full reverse plugging performance.

†For 575 volt applications - See Rotating Axle Options Section.

**Watch 230v amp draws** - 1-3 hp panels have 30 amp disconnect, 5-10 hp panels have 60 amp.

## Options

### End Trucks

Wheel bases in 6" increments are also available from a minimum of 4' - 6" to a maximum of 10' - 0".

Add for wheel bases in-between cataloged wheel bases in 6" increments add **\$78** per 6"

Add for wheel bases in-between cataloged wheel bases in other than 6" increments add **\$335**

For pricing on wheel bases other than those listed contact factory.

**Note:** Drives shipped assembled but not mounted to trucks.

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## Variable Frequency Control †

Kit Number	Wheel Base	Max. Span	Traverse Speed/List Price				Weight (lbs)	HP Each Motor	Max. Durability Wheel Load		
			100	150	200	250			ASCE 40#	ASCE 60# & 70# ARA-B 100#	ASCE 80# & 85# ARA-A 100# BETH 104# USS 105#
15R9.0/3.0-V-*	9' - 0"	63' - 0"	24170	N/A	N/A	N/A	4024	3	28000	39300	42100
15R9.0/5.0-V-*			24879	24768	24938	N/A	4270	5			
15R9.0/7.5-V-*			N/A	29887	30063	29957	4186	7½			
15R10.0/3.0-V-*	10' - 0"	70' - 0"	24395	N/A	N/A	N/A	4173	3			
15R10.0/5.0-V-*			25103	24990	25164	N/A	4419	5			
15R10.0/7.5-V-*			N/A	30116	30297	30194	4335	7½			
15R11.0/3.0-V-*	11' - 0"	77' - 0"	24618	N/A	N/A	N/A	4322	3			
15R11.0/5.0-V-*			25323	25214	25393	N/A	4568	5			
15R11.0/7.5-V-*			N/A	30346	30528	30432	4484	7½			
15R12.0/3.0-V-*	12' - 0"	84' - 0"	24840	N/A	N/A	N/A	4471	3			
15R12.0/5.0-V-*			25544	25436	25617	N/A	4717	5			
15R12.0/7.5-V-*			N/A	30574	30761	30668	4633	7½			
15R13.0/3.0-V-*	13' - 0"	91' - 0"	25061	N/A	N/A	N/A	4620	3			
15R13.0/5.0-V-*			25769	25658	25885	N/A	4866	5			
15R13.0/7.5-V-*			N/A	30803	31035	30906	4782	7½			
15R14.0/3.0-V-*	14' - 0"	98' - 0"	25284	N/A	N/A	N/A	4769	3			
15R14.0/5.0-V-*			25991	25881	26149	N/A	5015	5			
15R14.0/7.5-V-*			N/A	31033	31306	31185	4931	7½			

\* Specify: Traverse Speed  
Rail Size  
Voltage

Kit Consists of: 2 trucks with bumpers - flat tread wheels are standard  
1 NEMA 4/12 panel with disconnect  
2 Drives, each with Motor, AC disc brake and hollow shaft reducer

Note: Use CraneSource Crane Component Specifications catalog to calculate the correct bumper size for your application or call factory.

\*\*When selecting bridge motor hp shown on this page, motors are sized based on 66% of the total calculated hp required for contactor or variable frequency drive (VFD) control. However, if the reverse plugging feature of the VFD is to be used, motors should be sized to 75% of the total calculated hp required to get full reverse plugging performance.

†For 575 volt applications - See Rotating Axle Options Section.

Watch 230v amp draws - 1-3 hp panels have 30 amp disconnect, 5-10 hp panels have 60 amp.

## Options

### End Trucks

Wheel bases in 6" increments are also available from a minimum of 9' - 0" to a maximum of 14' - 0".

Add for wheel bases in-between cataloged wheel bases in 6" increments add \$121 per 6"

Add for wheel bases in-between cataloged wheel bases in other than 6" increments add \$376

For pricing on wheel bases other than those listed contact factory.

Note: Drives shipped assembled but not mounted to trucks.

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**Variable Frequency Control †**

Kit Number	Wheel Base	Max. Span	Traverse Speed/List Price				Weight (lbs)	HP Each Motor	Max. Durability Wheel Load		
			100	150	200	250			ASCE 40#	ASCE 60# & 70# ARA-B 100#	ASCE 80# & 85# ARA-A 100# BETH 104# USS 105#
18R9.0/5.0-V-*	9' - 0"	63' - 0"	39246	N/A	N/A	N/A	6181	5	33700	47200	50500
18R9.0/7.5-V-*			46490	43229	43229	N/A	6311	7½			
18R9.0/10.0-V-*			N/A	48099	45877	46250	5931	10			
18R10.0/5.0-V-*	10' - 0"	70' - 0"	40011	N/A	N/A	N/A	6385	5			
18R10.0/7.5-V-*			47276	43964	43964	N/A	6515	7½			
18R10.0/10.0-V-*			N/A	48845	46625	46923	6135	10			
18R11.0/5.0-V-*	11' - 0"	77' - 0"	40781	N/A	N/A	N/A	6589	5			
18R11.0/7.5-V-*			48068	44805	44805	N/A	6719	7½			
18R11.0/10.0-V-*			N/A	49740	47519	47946	6339	10			
18R12.0/5.0-V-*	12' - 0"	84' - 0"	41547	N/A	N/A	N/A	6813	5			
18R12.0/7.5-V-*			48857	45690	45690	N/A	6923	7½			
18R12.0/10.0-V-*			N/A	50638	48416	48971	6543	10			
18R13.0/5.0-V-*	13' - 0"	91' - 0"	42309	N/A	N/A	N/A	5767	5			
18R13.0/7.5-V-*			49642	46553	46553	N/A	7127	7½			
18R13.0/10.0-V-*			N/A	51422	49202	49753	6747	10			
18R14.0/5.0-V-*	14' - 0"	98' - 0"	43070	N/A	N/A	N/A	5971	5			
18R14.0/7.5-V-*			50426	47338	47338	N/A	7331	7½			
18R14.0/10.0-V-*			N/A	52205	49986	50538	6951	10			

\* **Specify:** Traverse Speed  
Rail Size  
Voltage

**Kit Consists of:** 2 trucks with bumpers - flat tread wheels are standard  
1 NEMA 4/12 panel with disconnect  
2 Drives, each with Motor, AC disc brake and hollow shaft reducer

**Note:** Use CraneSource Crane Component Specifications catalog to calculate the correct bumper size for your application or call factory.

\*\*When selecting bridge motor hp shown on this page, motors are sized based on 66% of the total calculated hp required for contactor or variable frequency drive (VFD) control. However, if the reverse plugging feature of the VFD is to be used, motors should be sized to 75% of the total calculated hp required to get full reverse plugging performance.

†For 575 volt applications - See Rotating Axle Options Section.

**Watch 230v amp draws** - 1-3 hp panels have 30 amp disconnect, 5-10 hp panels have 60 amp.

**Options**

**End Trucks**

Wheel bases in 6" increments are also available from a minimum of 9' - 0" to a maximum of 14' - 0".

Add for wheel bases in-between cataloged wheel bases in 6" increments add **\$402** per 6"

Add for wheel bases in-between cataloged wheel bases in other than 6" increments add **\$671**

For pricing on wheel bases other than those listed contact factory.

**Note:** Drives shipped assembled but not mounted to trucks.

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## Rotating Axle End Trucks (Flat Tread Wheels Standard)

**Rotating Axle End Trucks Only** - No Drives or Controls  
1 pair with Conical Bumpers and Rail Sweeps

Catalog Number	Wheel Diameter	Wheel Base	Rail Size	List Price	Wt. (lbs)
913653	9"	4'-6"	20 - 30# ASCE	6094	930
913654		6'-0"		6307	1077
913655		7'-6"		6543	1224
913656		8'-0"		6615	1273
913657		9'-0"		6766	1371
913658		10'-0"	6916	1469	
913659		4'-6"	40 - 70# ASCE	6094	930
913660		6'-0"		6307	1077
913661		7'-6"		6543	1224
913662		8'-0"		6615	1273
913663	9'-0"	6766		1371	
913664	10'-0"	6916	1469		
913665	12"	9'-0"	30 - 50# ASCE	10427	2238
913666		10'-0"		10581	2360
913667		11'-0"		10733	2482
913668		12'-0"		10884	2604
913669		13'-0"		11039	2726
913670		14'-0"	11191	2848	
913671		9'-0"	60 - 85# ASCE	10427	2238
913672		10'-0"		10581	2360
913673		11'-0"		10733	2482
913674		12'-0"		10884	2604
913675	13'-0"	11039		2726	
913676	14'-0"	11191	2848		
913677	15"	9'-0"	30 - 50# ASCE	14519	3301
913678		10'-0"		14740	3450
913679		11'-0"		14957	3599
913680		12'-0"		15177	3748
913681		13'-0"		15394	3897
913682		14'-0"	15614	4046	
913683		9'-0"	60 - 85# ASCE	14519	3301
913684		10'-0"		14740	3450
913685		11'-0"		14957	3599
913686		12'-0"		15177	3748
913687	13'-0"	15394		3897	
913688	14'-0"	15614	4046		
913689	18"	9'-0"	30 - 50# ASCE	21836	4846
913690		10'-0"		22600	5050
913691		11'-0"		23366	5254
913692		12'-0"		24131	5458
913693		13'-0"		24894	5662
913694		14'-0"	25658	5866	
913695		9'-0"	60 - 85# ASCE	21836	4846
913696		10'-0"		22600	5050
913697		11'-0"		23366	5254
913698		12'-0"		24131	5458
913699	13'-0"	24894		5662	
913700	14'-0"	25658	5866		

Add for tapered tread driver wheels - for quantity of 2

Wheel Diameter	Suggested List Add For Two (2)
9"	\$ 510
12"	606
15"	677
18"	754

Contact Factory for lead time on tapered tread wheels.

**Spark Resistant Features** - See Rotating Axle Options Section.

### End Connection

"Whales Tail" End Connection Kit Catalog No. 444697-10 is designed for fixed axle end trucks. However, the End Connection Kits may possibly be used on certain smaller sized rotating axle end trucks. Consult factory for specific applications and assistance.

### Special Axles

Special Axles can be quoted on request. Consult factory for prices and lead time.

### Square Bar Runway Rail Applications

Rotating Axle Wheel Dia.	Min. Height	Width		Price Add
		Min.	Max.	
9"	1"	1"	2-1/4"	765
12"	1-1/4"	1-1/2"	2-5/8"	906
15"	1-1/4"	1-1/2"	2-5/8"	1014
18"	1-3/8"	1-1/2"	2-5/8"	1129

[Go To Options Page](#)

## Rotating Axle

**NEMA 4 Brake**  
(For outdoor applications) ..... 175

**NEMA 4X Enclosure Adders**  
Fiberglass ..... 565  
Stainless Steel ..... 1229

**Strip Heater Package**  
(Non Hazardous areas only) ..... 698  
Includes: Heaters in both motors & control panel with transformer

**Warning Horn**  
(must specify method of activation) ..... 352

**Warning Light**  
(must specify method of activation) ..... 588

**Travel Limit Switch**  
Single Switch, Bi-Directional (Trip Dog by others)  
NEMA 4/12 ..... 702  
Intrinsically safe (Hazardous area) ..... 1073

**Disconnect Panel Adders:**  
60 Amp Panel ..... 210  
100 Amp Panel ..... 275

**Thermal Overload Relays:**  
Single Speed ..... 189  
2-Speed ..... 324

**Adjustable EAC (115 Volt Control)**  
208/230 Volt, 1-2 HP ..... 561  
208/230 Volt, 3-6 HP ..... 1244  
460 Volt, 1-4 HP ..... 561  
460 Volt, 5-10 HP ..... 1244

**Variable Frequency Drive - 575/3/60 Volt**  
**Price Adder to standard 460 VFD Panels**  
1½ Maximum Motor HP ..... 3954  
2 Maximum Motor HP ..... 3954  
3 Maximum Motor HP ..... 3770  
5 Maximum Motor HP ..... 3100  
7½ Maximum Motor HP ..... 2565  
10 Maximum Motor HP ..... 2958

**Deduct VFD Controls**  
1½ HP Each Motor ..... -(2546)  
2 HP Each Motor ..... -(3215)  
3 HP Each Motor ..... -(3616)  
5 HP Each Motor ..... -(3885)  
7½ HP Each Motor ..... -(6564)  
10 HP Each Motor ..... -(8308)

**Deduct for 2 Speed Control in lieu of VFD**  
1½ HP Each Motor ..... -(803)  
2 HP Each Motor ..... -(881)  
3 HP Each Motor ..... -(881)  
5 HP Each Motor ..... -(1072)

## Explosion Proof/Spark Resistant Options

### Intrinsically Safe Relays

Single Speed - per motion .....	565
2-Speed - per motion .....	1122

### Spark Resistant Wheels

<b>Top-Running</b>	
9" Bronze Wheels .....	9062
with Rail Sweeps .....	10976
12" Bronze Wheels .....	13787
with Rail Sweeps .....	15689
15" Bronze Wheels .....	15877
with Rail Sweeps .....	18542
18" Bronze Wheels .....	19853
with Rail Sweeps .....	23176

### Explosion Proof Motor/Control\* - Add to standard Rotating Axle Kits in this catalog

Division 1			Division 2				
Class 1, Group C & D Class 2, Group F & G		Drive HP	Class 1, Group C & D		Drive HP	Class 2, Group F & G	
1-Speed	2-Speed		1-Speed	2-Speed		1-Speed	2-Speed
9928	11722	1	4112	5332	1	1208	1806
11170	11735	1-1/2	5295	5346	1-1/2	1208	1806
11170	11735	2	5295	5346	2	1208	1806
11170	11735	3	5295	5346	3	1208	1806
-	15075	5	-	4998	5	1208	1806
-	19286	7-1/2	-	6396	7-1/2	1208	1806
-	24760	10	-	8211	10	1208	1806

\*For VFD Controls - Contact Factory

## NEMA 4/12 Panel with Built In Disconnect Without Soft-Start For Bridge Traverse Motions

Feature	1-3 h.p.	5-10 h.p.
NEMA 4/12 Panel	20 W X 16 H X 8.8" D*	24 W X 20 H X 10.8" D
Mainline Contactor	30 Amp**	60 Amp**
Control Transformer	115V/75VA	115V/100VA
Disconnect with Panel Mounted Handle	30 Amp**	60 Amp**
Fuses	Yes	Yes
Soft-Start	No	No
Hinge Point	Horizontal at bottom of panel	Horizontal at bottom of panel

\*Adding a 60 amp disconnect increases enclosure size to the 5-10 hp panel.

**Do not use single speed control for speeds over 100 F.P.M. Two speed control over 100 F.P.M. requires an electronic acceleration control.**

For Maximum Total H.P.	Voltage	Single Speed			Two Speed		
		Catalog Number	List Price	Weight (lbs)	Catalog Number	List Price	Weight (lbs)
1	230	444231-21	1437	75	444232-21	1489	85
2		444231-22	1437		444232-22	1489	
3		444231-23	1696		444232-23	1792	
5		444231-25	1959	115	444232-25	2100	125
7.5		444231-27	1959		444232-27	2100	
10		444231-29	1959		444232-29	2100	
1	460	444231-41	1437	75	444232-41	1489	85
2		444231-42	1437		444232-42	1489	
3		444231-43	1437		444232-43	1489	
5		444231-45	1696	115	444232-45	1792	125
7.5		444231-47	1959		444232-47	2100	
10		444231-49	1959		444232-49	2100	
1	575	444231-51	1437	75	444232-51	1489	85
2		444231-52	1437		444232-52	1489	
3		444231-53	1437		444232-53	1489	
5		444231-55	1696	115	444232-55	1792	125
7.5		444231-57	1959		444232-57	2100	
10		444231-59	1959		444232-59	2100	

\*\* Please check the total amperage draw requirements for your crane application so the amperage limits of the mainline contactor and disconnect are not exceeded. Especially on 230 volt applications.

**Note:** Panel has room for addition of field installed soft-start. Reference components sections for prices.

## NEMA 4/12 Panel with Built In Disconnect With Soft-Start Built In For Bridge Traverse Motions

†Price Includes;

Feature	1-3 h.p.	5-10 h.p.
NEMA 4/12 Panel	20 W X 16 H X 8.8" D*	24 W X 20 H X 10.8"D
Mainline Contactor	30 Amp**	60 Amp**
Control Transformer	115V/75VA	115V/100VA
Disconnect with Panel Mounted Handle	30 Amp**	60 Amp**
Fuses	Yes	Yes
Soft-Start	Yes	Yes
Hinge Point	Horizontal at bottom of panel	Horizontal at bottom of panel

\*Adding a 60 amp disconnect increases enclosure size to the 5-10 hp panel.

**Do not use single speed control for speeds over 100 F.P.M. Two speed control over 100 F.P.M. requires an electronic acceleration control.**

For Maximum Total H.P.	Voltage	Single Speed			Two Speed		
		Catalog Number	List Price	Weight (lbs)	Catalog Number	List Price	Weight (lbs)
1	230	444711-21	1991	85	444712-21	2041	95
2		444711-22	1991		444712-22	2041	
3		444711-23	2927	125	444712-23	3022	135
5		444711-25	2927		444712-25	3022	
7.5		—	-		—	-	
10		—	-		—	-	
1	460	444711-41	1766	85	444712-41	1905	95
2		444711-42	1991		444712-42	2041	
3		444711-43	2668	125	444712-43	2722	135
5		444711-45	2927		444712-45	3022	
7.5		444711-47	3189		444712-47	3260	
10		444711-49	3189		444712-49	3260	

\*\* Please check the total amperage draw requirements for your crane application so the amperage limits of the mainline contactor and disconnect are not exceeded. Especially on 230 volt applications.

**Note:** Panel has room for addition of field installed soft-start. Reference components sections for prices.

### NEMA 4/12 Panel with Built In Disconnect For Bridge Traverse Motions Speed range up to 20:1 (in F.P.M.)

**Price Includes;**

Feature	1-3 hp*	5-10 hp
Electromotive Drive Type	P3	P3
Control only CMAA Service Class	D	D
NEMA 4/12 Panel	20 W X 16 H X 8.5 D*	24 W X 20 H X 10.5 D
Control Points	2-step, 3-step or 2-step & 3-step infinitely variable	2-step, 3-step & 5-step or 2-step & 3-step infinitely variable
Mainline Contactor	30 Amp	60 Amp*
Control Transformer	115V / 75VA	115V / 75VA
Disconnect with Panel Mounted Handle	30 Amp	60 Amp
External Dynamic Braking Resistor	Yes	Yes
Fuses	Yes	Yes
Hinge Point	Horizontal at bottom of panel	Horizontal at bottom of panel

**Includes: AC Brake Relay (12 amp), Surge Suppression on Coil and Space Terminal Board (10 terminals)**

Max. Total H.P.	Power Supply	** Max. Full Load Amps	List Price	Catalog Number	*** Wt. (lbs)	Power Supply	** Max. Full Load Amps	List Price	Catalog Number	*** Wt. (lbs)
1	200 to 230 Volts 50/60 Hz	5.0	2304	448550-21	80	380 to 460 Volts 50/60 Hz	3.4	2398	448550-41	80
2		8.0	2491	448550-22			3.4	2398	448550-42	
3		11.0	2602	448550-23			4.8	2557	448550-43	
5		17.5	3175	448550-25	105		8.6	3241	448550-45	105
7½		25.0	3713	448550-27			14.8	3917	448550-47	
10		33.0	4064	448550-29			18.0	4345	448550-49	

\* 3 hp panel for 460 volts is 24 W X 20 H X 10.5 D. \*Adding a 60 amp disconnect increases enclosure size to the 5-10 hp panel.

\*\* Please check the total amperage draw requirements for your crane application so the amperage limits of the mainline contactor and disconnect are not exceeded. Especially on 230 volt applications.

\*\*\* Add 15% for approximate shipping weight.

†For 575 volt applications - See Rotating Axle Options Section.





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**⚠ WARNING**

**To Avoid Injury:**

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people.
- Read and follow all instructions.