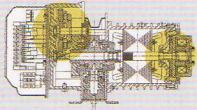


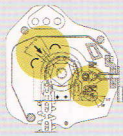
ELECTRIC CHAIN HOISTS - STANDARD FEATURES

Standard Features:



Dual Brake System

Disc type motor brake working with a Weston style mechanical load brake provides load lowering control. Electric brake is designed for easy access and simple adjustment.



Upper and Lower Limit Switch

Prevents overwinding by stopping operation in the case of overlifting or overlowering.



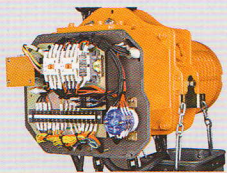
Overload Alert

Installed as a load detecting safety device to help prevent overload for greater hoist longevity.



Push Button Control

Compact design to enable one-handed operation. Rated NEMA 4 protection. Mushroom on/off button included. Push button cable has strain relief to prevent cable damage.



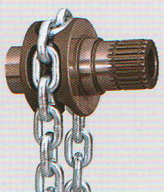
Electric Control Panel

Single speed hoists are re-connectable for 208-230-460 power supply. Controls are housed in a NEMA12 enclosure. Control transformer output is 115/1/60. Available in Variable Frequency Drive (VFD) for all motions. VFD is programmed for 2-speed operation. Standard power supply cord is 15 feet.



Heavy-Duty Hoist Motor

The hoist motor is a high torque design and is rated 30-minute duty. Class B motor insulation and standard thermal motor protection is included.



Load Sheave / Chain Guide

Full floating chain guide assures proper engagement of chain on load sheave. Features 4 or 5 pockets for better distribution of the load.



Load Chain

Grade 80 load chain is case hardened and has a high resistance to wear and corrosion. All hoists are stocked with 20 feet of lift. Longer lifts are available per requirement. Nickel Plated load chain is available as an option.



Hooks

Load hook is a forged carbon steel hook with a heavy-duty hook latch. Thrust bearing in hook allows 360° rotation to prevent twisting of load chain. Top hook, for hook suspended hoists, is rigid.



Chain Container

Chain container is standard equipment and is either molded with thick polypropylene material or fabricated from steel to securely contain the chain and chain lubricant. Optional containers are available for long lift applications.



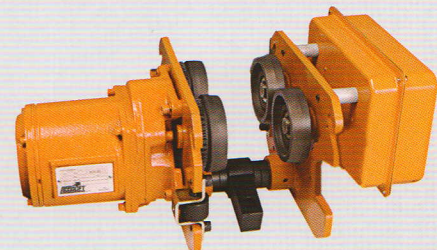
Gear Box / Oil Lubrication

The gearbox utilizes an alloy steel helical and spur gear reduction. Gear inspection and lubrication is easily accessible from the top of the hoist.



Motorized and Push / Pull Trolley

Trolley is adjustable for a range of flange widths. Side guide rollers are included to promote smooth trolley motion and to minimize wheel and beam wear. Wheels are dual tread design for operation on tapered or flat flange beams. Trolleys include drop down lugs and rubber bumpers (not shown in photo). Motorized trolley motor includes class B insulation and a disc type motor brake. Motor is rated for 15-minute duty and includes standard thermal motor protection.



ELECTRIC CHAIN HOISTS - HOOK SUSPENSION

Electric Chain Hoists - Single Speed / Hook Suspension:

| Cap. (Tons) | Model Number | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Hoist Motor | | | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|----------------|-----------------|-----------------------|---|---------------------------|-------------|----------------|-----------|--|-------------------------------------|-------------------|
| | | | | | HP | Amp. Draw | | | | |
| | | | | | | 208V & 230V | 460V | | | |
| 1 | 2130020 | 20 | 18 | 17 | 2.4 | 9.2 | 4.2 | .280 X (1) | 0.67 | 165 |
| 1 | 2130030 | 20 | 18 | 27 | 2.4 | 9.2 | 4.2 | .280 X (1) | 0.67 | 165 |
| 2 | 2130040 | 20 | 18 | 13 | 2.4 | 9.2 | 4.2 | .280 X (2) | 1.34 | 198 |
| 2 | 2130050 | 20 | 18 | 27 | 4.7 | 17 | 7.9 | .441 X (1) | 1.81 | 282 |
| 3 | 2130060 | 20 | 18 | 17 | 4.7 | 17 | 7.9 | .374 X (2) | 2.69 | 348 |
| 5 | 2130070 | 20 | 18 | 11 | 4.7 | 17 | 7.9 | .441 X (2) | 3.63 | 388 |
| 7.5 | 2130075 | 20 | 18 | 7 | 4.7 | 17 | 7.9 | .441 X (3) | 5.43 | 536 |
| 10 | 2130080 | 20 | 18 | 11 | 4.7 X (2) | 17 X (2) | 7.9 X (2) | .441 X (4) | 7.26 | 860 |

Electric Chain Hoists - Inverter Control / Hook Suspension:

| Cap. (Tons) | Model Number | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Hoist Motor | | | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|----------------|-----------------|-----------------------|---|---------------------------|-------------|----------------|------|--|-------------------------------------|-------------------|
| | | | | | HP | Amp. Draw | | | | |
| | | | | | | 208V & 230V | 460V | | | |
| 1 | 2130030-VFD-230 | 20 | 18 | 21/7 | 2.4 | 9.2 | - | .280 X (1) | 0.67 | 170 |
| 1 | 2130030-VFD-460 | 20 | 18 | 21/7 | 2.4 | - | 4.2 | .280 X (1) | 0.67 | 170 |
| 2 | 2130050-VFD-230 | 20 | 18 | 21/7 | 4.7 | 17 | - | .441 X (1) | 1.81 | 287 |
| 2 | 2130050-VFD-460 | 20 | 18 | 21/7 | 4.7 | - | 7.9 | .441 X (1) | 1.81 | 287 |
| 3 | 2130060-VFD-230 | 20 | 18 | 15/5 | 4.7 | 17 | - | .374 X (2) | 2.69 | 353 |
| 3 | 2130060-VFD-460 | 20 | 18 | 15/5 | 4.7 | - | 7.9 | .374 X (2) | 2.69 | 353 |
| 5 | 2130070-VFD-230 | 20 | 18 | 11/4 | 4.7 | 17 | - | .441 X (2) | 3.63 | 393 |
| 5 | 2130070-VFD-460 | 20 | 18 | 11/4 | 4.7 | - | 7.9 | .441 X (2) | 3.63 | 393 |



DIMENSIONS - HOOK SUSPENSION HOISTS

1 TO 5 TON HOOK SUSPENSION HOISTS:

Figure A

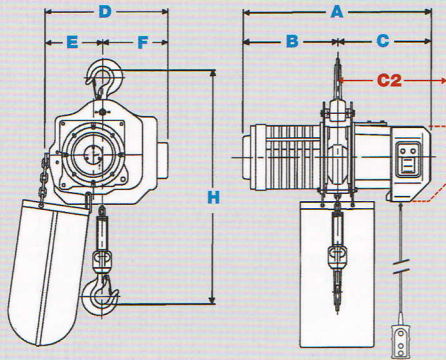
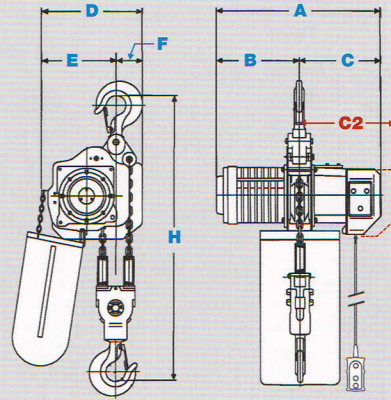


Figure B



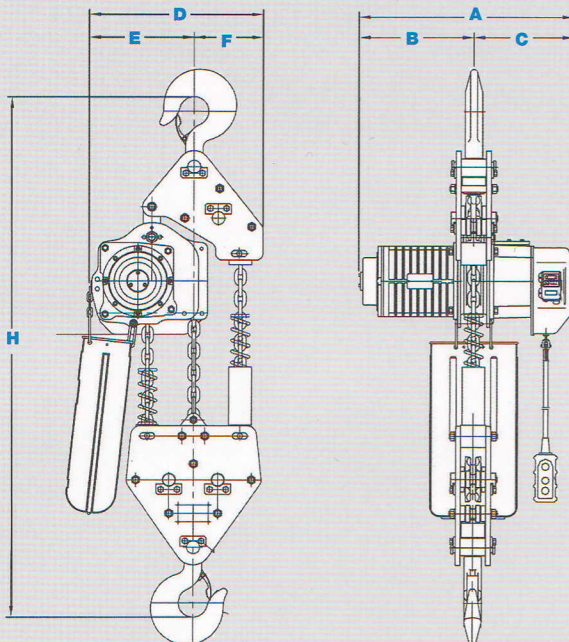
Dimensions in Inches (Nominal). *For hook dimensions, see page 11.*

| Model Number | A | B | C | C2* | D | E | F | H | Figure |
|--------------|------|------|------|------|------|------|------|------|--------|
| 2130020 | 22.5 | 11.7 | 10.8 | - | 14.2 | 6.7 | 7.5 | 20 | A |
| 2130030 | 22.5 | 11.7 | 10.8 | 12.8 | 14.2 | 6.7 | 7.5 | 20 | A |
| 2130040 | 22.5 | 11.7 | 10.8 | - | 14.2 | 8.6 | 5.6 | 30 | B |
| 2130050 | 26.0 | 13.7 | 12.3 | 13.5 | 16.9 | 7.8 | 9.1 | 27 | A |
| 2130060 | 26.0 | 13.7 | 12.3 | 13.5 | 16.9 | 10.2 | 6.7 | 36 | B |
| 2130070 | 26.0 | 13.7 | 12.3 | 13.5 | 16.9 | 10.7 | 6.2 | 42 | B |
| 2130075 | 26.0 | 13.7 | 12.3 | - | 21.2 | 12.8 | 8.4 | 57.7 | C |
| 2130080 | 27.4 | 13.7 | 13.7 | - | 39.4 | 19.7 | 19.7 | 51.6 | D |

* Inverter Control Models only.

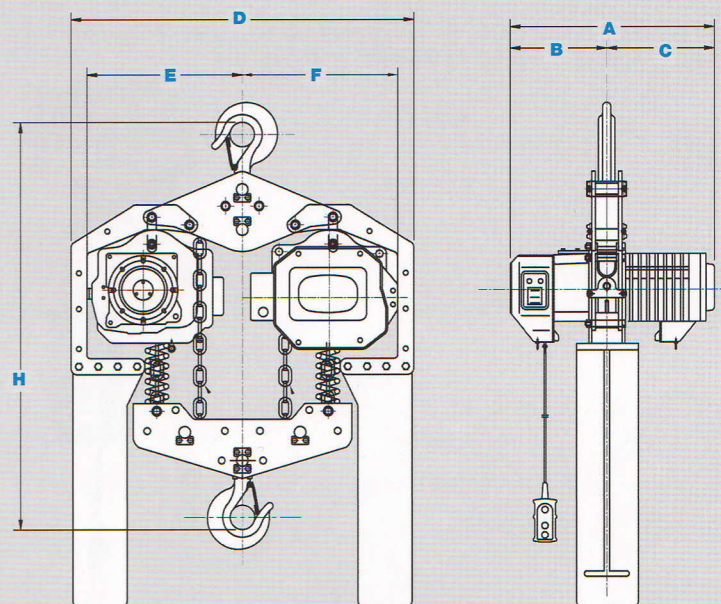
7-1/2 TON HOOK SUSPENSION HOIST:

Figure C



10 TON HOOK SUSPENSION HOIST:

Figure D



ELECTRIC CHAIN HOISTS - PUSH / PULL TROLLEY

Electric Chain Hoists - Single Speed Push / Pull Trolley:

| Cap. (Tons) | Model Number | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Hoist Motor | | | Flange Width Adjustability (in.) | Wheel Diameter | Min. Beam Radius (in.) | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|----------------|-----------------|-----------------------|---|---------------------------|-------------|----------------|------|---|-------------------|---------------------------------|--|-------------------------------------|----------------------|
| | | | | | HP | Amp. Draw | | | | | | | |
| | | | | | | 208V & 230V | 460V | | | | | | |
| 1 | 2130020-PT | 20 | 18 | 17 | 2.4 | 9.2 | 4.2 | 3.25 to 12 | 3.8 | 31.5 | .280 X (1) | 0.67 | 183 |
| 1 | 2130030-PT | 20 | 18 | 27 | 2.4 | 9.2 | 4.2 | 3.25 to 12 | 3.8 | 31.5 | .280 X (1) | 0.67 | 183 |
| 2 | 2130040-PT | 20 | 18 | 13 | 2.4 | 9.2 | 4.2 | 3.25 to 12 | 4.3 | 31.5 | .280 X (2) | 1.34 | 238 |
| 2 | 2130050-PT | 20 | 18 | 27 | 4.7 | 17 | 7.9 | 3.25 to 12 | 4.3 | 31.5 | .441 X (1) | 1.81 | 333 |
| 3 | 2130060-PT | 20 | 18 | 17 | 4.7 | 17 | 7.9 | 3.25 to 12 | 5 | 39.4 | .374 X (2) | 2.69 | 452 |
| 5 | 2130070-PT | 20 | 18 | 11 | 4.7 | 17 | 7.9 | 3.25 to 12 | 5.5 | 70.9* | .441 X (2) | 3.63 | 534 |

Electric Chain Hoists - Inverter Control Push / Pull Trolley:

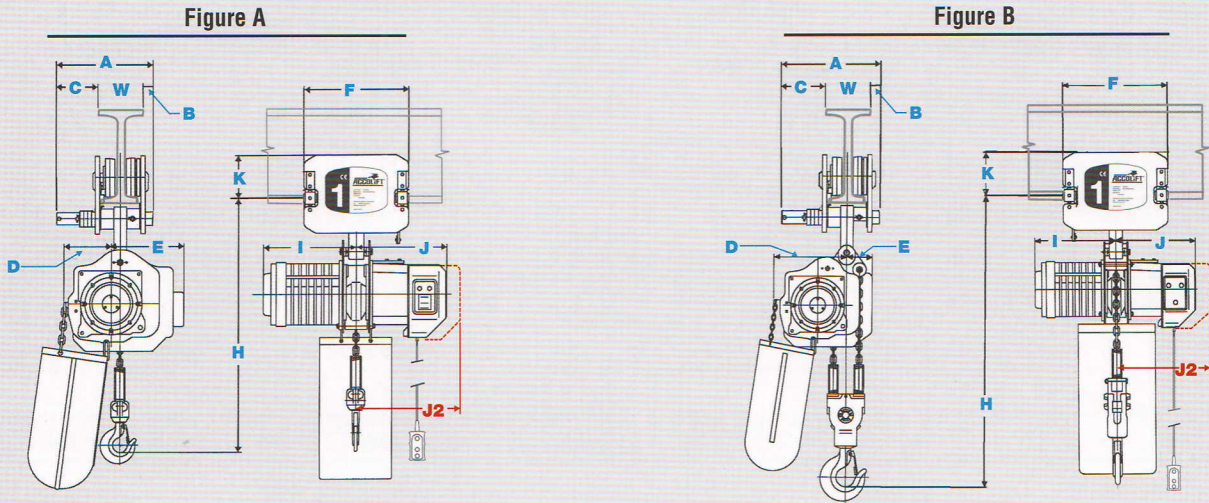
| Cap. (Tons) | Model Number | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Hoist Motor | | | Flange Width Adjustability (in.) | Wheel Diameter | Min. Beam Radius (in.) | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|----------------|--------------------|-----------------------|---|---------------------------|-------------|----------------|------|---|-------------------|---------------------------------|--|-------------------------------------|----------------------|
| | | | | | HP | Amp. Draw | | | | | | | |
| | | | | | | 208V & 230V | 460V | | | | | | |
| 1 | 2130030-VFD-230-PT | 20 | 18 | 21/7 | 2.4 | 9.2 | - | 3.25 to 12 | 3.8 | 31.5 | .280 X (1) | 0.67 | 193 |
| 1 | 2130030-VFD-460-PT | 20 | 18 | 21/7 | 2.4 | - | 4.2 | 3.25 to 12 | 3.8 | 31.5 | .280 X (1) | 0.67 | 193 |
| 2 | 2130050-VFD-230-PT | 20 | 18 | 21/7 | 4.7 | 17 | - | 3.25 to 12 | 4.3 | 31.5 | .441 X (1) | 1.81 | 343 |
| 2 | 2130050-VFD-460-PT | 20 | 18 | 21/7 | 4.7 | - | 7.9 | 3.25 to 12 | 4.3 | 31.5 | .441 X (1) | 1.81 | 343 |
| 3 | 2130060-VFD-230-PT | 20 | 18 | 15/5 | 4.7 | 17 | - | 3.25 to 12 | 5 | 39.4 | .374 X (2) | 2.69 | 462 |
| 3 | 2130060-VFD-460-PT | 20 | 18 | 15/5 | 4.7 | - | 7.9 | 3.25 to 12 | 5 | 39.4 | .374 X (2) | 2.69 | 462 |
| 5 | 2130070-VFD-230-PT | 20 | 18 | 11/4 | 4.7 | 17 | - | 3.25 to 12 | 5.5 | 70.9* | .441 X (2) | 3.63 | 544 |
| 5 | 2130070-VFD-460-PT | 20 | 18 | 11/4 | 4.7 | - | 7.9 | 3.25 to 12 | 5.5 | 70.9* | .441 X (2) | 3.63 | 544 |

* Applies to a beam flange width of 4" and over.



DIMENSIONS - PUSH / PULL TROLLEY HOISTS

1 TO 5 TON PUSH / PULL TROLLEY HOISTS:



Dimensions in Inches (Nominal). **For hook dimensions, see page 11.**

| Model Number | A | B | C W = Beam width | D | E | F | H | I | J | J2* | K | Figure |
|--------------|------|-----|---------------------|------|-----|------|----|------|------|------|-----|--------|
| 2130020-PT | 17 | 1.8 | 15.2 - W | 6.7 | 7.5 | 11.7 | 21 | 11.7 | 10.8 | - | 5.2 | A |
| 2130030-PT | 17 | 1.8 | 15.2 - W | 6.7 | 7.5 | 11.7 | 21 | 11.7 | 10.8 | 12.8 | 5.2 | A |
| 2130040-PT | 17.5 | 1.8 | 15.7 - W | 8.6 | 5.6 | 12.4 | 30 | 11.7 | 10.8 | - | 5.2 | B |
| 2130050-PT | 17.5 | 1.8 | 15.7 - W | 7.8 | 9.1 | 12.4 | 27 | 13.7 | 12.3 | 13.5 | 5.2 | A |
| 2130060-PT | 18 | 2.2 | 15.8 - W | 10.2 | 6.6 | 14.2 | 35 | 13.7 | 12.3 | 13.5 | 5.8 | B |
| 2130070-PT | 18.8 | 2.4 | 16.4 - W | 10.7 | 5.9 | 16.1 | 42 | 13.7 | 12.3 | 13.5 | 6.1 | B |

* Inverter Control Models only.

ELECTRIC CHAIN HOISTS - MOTORIZED TROLLEY

Electric Chain Hoists - Single Speed / Motorized Trolley:

| Cap. (Tons) | Model Number | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Trolley Speed (fpm) | Hoist Motor | | | Trolley Motor | | | Flange Width Adjustability (in.) | Wheel Dia. | Min. Beam Radius (in.) | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|-------------|--------------|-----------------|-------------------------------|---------------------|---------------------|-------------|-------------|-----------|---------------|-------------|-----------|----------------------------------|------------|------------------------|--|----------------------------|----------------|
| | | | | | | HP | Amp. Draw | | HP | Amp. Draw | | | | | | | |
| | | | | | | | 208V & 230V | 460V | | 208V & 230V | 460V | Standard | | | | | |
| 1 | 2130120 | 20 | 18 | 17 | 36 | 2.4 | 9.2 | 4.2 | .54 | 3.3 | 1.5 | 3.25 to 12 | 3.8 | 31.5 | .280 X (1) | 0.67 | 238 |
| 1 | 2130130 | 20 | 18 | 27 | 36 | 2.4 | 9.2 | 4.2 | .54 | 3.3 | 1.5 | 3.25 to 12 | 3.8 | 31.5 | .280 X (1) | 0.67 | 238 |
| 2 | 2130140 | 20 | 18 | 13 | 36 | 2.4 | 9.2 | 4.2 | .54 | 3.3 | 1.5 | 3.25 to 12 | 4.3 | 31.5 | .280 X (2) | 1.34 | 293 |
| 2 | 2130150 | 20 | 18 | 27 | 36 | 4.7 | 17 | 7.9 | .54 | 3.3 | 1.5 | 3.25 to 12 | 4.3 | 31.5 | .441 X (1) | 1.81 | 388 |
| 3 | 2130160 | 20 | 18 | 17 | 33 | 4.7 | 17 | 7.9 | 1 | 5.1 | 2.2 | 3.25 to 12 | 5 | 39.4 | .374 X (2) | 2.69 | 507 |
| 5 | 2130170 | 20 | 18 | 11 | 33 | 4.7 | 17 | 7.9 | 1 | 5.1 | 2.2 | 3.25 to 12 | 5.5 | 70.9* | .441 X (2) | 3.63 | 589 |
| 7.5 | 2130175 | 20 | 18 | 7 | 33 | 4.7 | 17 | 7.9 | 1 X (2) | 5.1 X (2) | 2.2 X (2) | 5 to 12 | 5.5 | 98.4** | .441 X (3) | 5.43 | 1124 |
| 10 | 2130180 | 20 | 18 | 11 | 33 | 4.7 X (2) | 17 X (2) | 7.9 X (2) | 1 X (2) | 5.1 X (2) | 2.2 X (2) | 3.25 to 12 | 5.5 | 98.4** | .441 X (4) | 7.26 | 1400 |

Electric Chain Hoists - Inverter Control / Motorized Trolley:

| Cap. (Tons) | Model Number | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Trolley Speed (fpm) | Hoist Motor | | | Trolley Motor | | | Flange Width Adjustability (in.) | Wheel Dia. | Min. Beam Radius (in.) | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|-------------|-----------------|-----------------|-------------------------------|---------------------|---------------------|-------------|-------------|------|---------------|-------------|------|----------------------------------|------------|------------------------|--|----------------------------|----------------|
| | | | | | | HP | Amp. Draw | | HP | Amp. Draw | | | | | | | |
| | | | | | | | 208V & 230V | 460V | | 208V & 230V | 460V | Standard | | | | | |
| 1 | 2130130-VFD-230 | 20 | 18 | 21/7 | 50/17 | 2.4 | 9.2 | - | .54 | 3.3 | - | 3.25 to 12 | 3.8 | 31.5 | .280 X (1) | 0.67 | 248 |
| 1 | 2130130-VFD-460 | 20 | 18 | 21/7 | 50/17 | 2.4 | - | 4.2 | .54 | - | 1.5 | 3.25 to 12 | 3.8 | 31.5 | .280 X (1) | 0.67 | 248 |
| 2 | 2130150-VFD-230 | 20 | 18 | 21/7 | 50/17 | 4.7 | 17 | - | .54 | 3.3 | - | 3.25 to 12 | 4.3 | 31.5 | .441 X (1) | 1.81 | 398 |
| 2 | 2130150-VFD-460 | 20 | 18 | 21/7 | 50/17 | 4.7 | - | 7.9 | .54 | - | 1.5 | 3.25 to 12 | 4.3 | 31.5 | .441 X (1) | 1.81 | 398 |
| 3 | 2130160-VFD-230 | 20 | 18 | 15/5 | 50/17 | 4.7 | 17 | - | 1 | 5.1 | - | 3.25 to 12 | 5 | 39.4 | .374 X (2) | 2.69 | 517 |
| 3 | 2130160-VFD-460 | 20 | 18 | 15/5 | 50/17 | 4.7 | - | 7.9 | 1 | - | 2.2 | 3.25 to 12 | 5 | 39.4 | .374 X (2) | 2.69 | 517 |
| 5 | 2130170-VFD-230 | 20 | 18 | 11/4 | 50/17 | 4.7 | 17 | - | 1 | 5.1 | - | 3.25 to 12 | 5.5 | 70.9* | .441 X (2) | 3.63 | 599 |
| 5 | 2130170-VFD-460 | 20 | 18 | 11/4 | 50/17 | 4.7 | - | 7.9 | 1 | - | 2.2 | 3.25 to 12 | 5.5 | 70.9* | .441 X (2) | 3.63 | 599 |

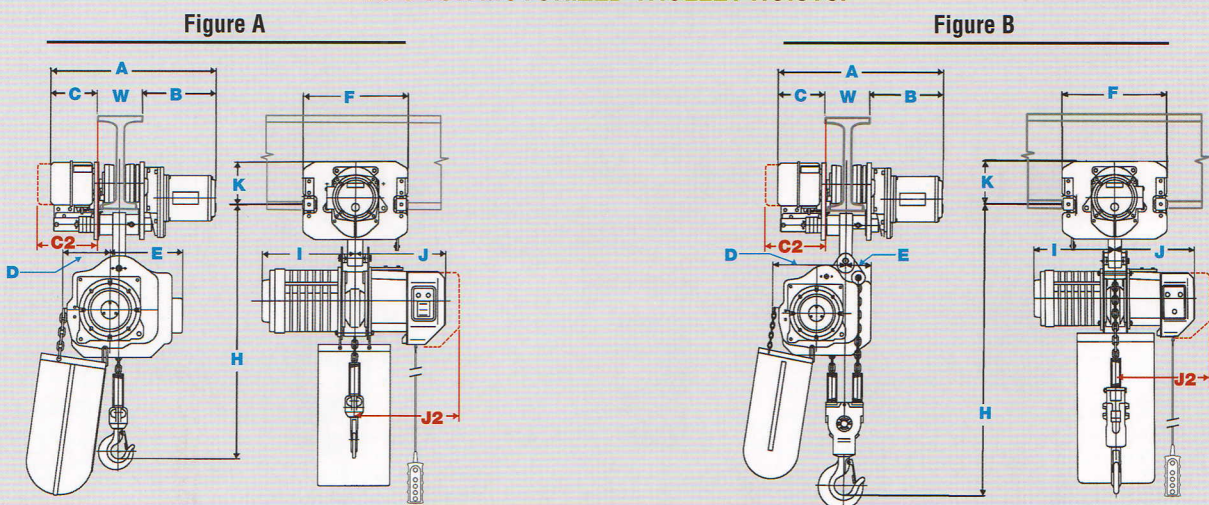
* Applies to a beam flange width of 4" and over.

**Applies to a beam flange width of 5.9" and over.



DIMENSIONS - MOTORIZED TROLLEY HOISTS

1 TO 5 TON MOTORIZED TROLLEY HOISTS:



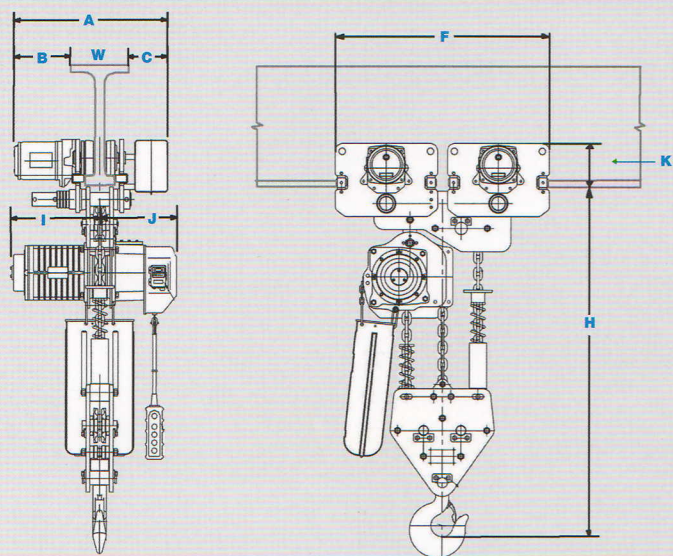
Dimensions in Inches (Nominal). *For hook dimensions, see page 11.*

| Model Number | A W = Beam width | B | C | C2* | D | E | F | H | I | J | J2* | K | Figure |
|--------------|---------------------|------|-----|-----|------|-----|------|----|------|------|------|-----|--------|
| 2130120 | 17.8 + W | 10 | 7.8 | - | 6.7 | 7.5 | 11.7 | 21 | 11.7 | 10.8 | - | 5.2 | A |
| 2130130 | 17.8 + W | 10 | 7.8 | 9.8 | 6.7 | 7.5 | 11.7 | 21 | 11.7 | 10.8 | 12.8 | 5.2 | A |
| 2130140 | 17.8 + W | 10 | 7.8 | - | 8.7 | 5.6 | 12.4 | 30 | 11.7 | 10.8 | - | 5.2 | B |
| 2130150 | 17.8 + W | 10 | 7.8 | 9.8 | 7.8 | 9.1 | 12.4 | 27 | 13.7 | 12.3 | 13.5 | 5.2 | A |
| 2130160 | 18.5 + W | 10.7 | 7.8 | 9.8 | 10.2 | 6.6 | 15.3 | 35 | 13.7 | 12.3 | 13.5 | 5.8 | B |
| 2130170 | 19.8 + W | 12 | 7.8 | 9.8 | 10.7 | 6.1 | 16.1 | 42 | 13.7 | 12.3 | 13.5 | 6.1 | B |
| 2130175 | 19.8 + W | 12 | 7.8 | - | - | - | 33.8 | 50 | 13.7 | 12.3 | - | 6.1 | C |
| 2130180 | 19.8 + W | 12 | 7.8 | - | - | - | 37.1 | 49 | 13.7 | 13.7 | - | 6.1 | D |

* Inverter Control Models only.

7-1/2 TON MOTORIZED TROLLEY HOIST:

Figure C



10 TON MOTORIZED TROLLEY HOIST:

Figure D

