

ACCOLIFT® SC HOISTS



Friction Clutch & Limit Switches

The friction clutch is an overload protection device that prevents lifting when overloaded. When the hoist is raised to high hook or low hook, a micro switch is activated and stops the hoist motor. This prevents unnecessary clutch & motor wear.



Hoist Motor Brake

Simple fast acting conical pull-rotor style motor brake for years of trouble-free operation.



Push Button Control

Compact design to enable one-handed operation. Stepless control model pendants include stepless buttons (no detent between slow to fast). Mushroom on/off button included. Push button cable has strain relief built in to prevent cable damage. Pendant is rated IP65.



Electric Control Panel

Single phase hoists are reconnectable for 115/208/230V power supply. Three phase single speed hoists are reconnectable for 208/230/460V power supply and VFD controlled hoists are voltage specific. VFD controlled hoists are stepless control allowing precise load control. Single speed contactor hoists use a 115VAC control circuit while VFD hoists with stepless control use a 24VDC control circuit. Standard power supply cord length is 15'. Enclosure is rated IP55.



Heavy-Duty Hoist Motor

The 1HP hoist motor is a high torque heavy-duty design and is rated 30-minute duty (single phase motors are rated 20-minute). Class F motor insulation and standard thermal motor protection (built in thermal sensor) is provided.



Load Sheave / Chain Guide

Load sheave features 5 pockets for smoother operation and better distribution of the load. Chain guide assures proper engagement of chain on load sheave.



Load Chain

Standard load chain is galvanized Grade 80 which 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 application. Nickel Plated load chain is available as an option.



Hooks / Connector

Load hook is a forged carbon steel hook with a heavy-duty latch. Thrust bearing in load hook allows 360-degree rotation to prevent twisting of load chain. Top hook, for hook suspended units, is non-rotating. Top lug connectors are packaged with all hook mounted hoists for attachment to light rail trolleys. Top hook & lug can be switched out easily with two pins.



Chain Container

Chain container is standard equipment and is molded with thick polypropylene material to securely contain the chain and chain lubricant. Optional containers are available for longer lift applications.



Gear Box / Oil Lubrication

The gearbox utilizes an alloy steel helical and spur gear reduction. Gear lubrication is easily accessible from the top of the hoist. The gearbox includes an oil fill plug, oil level plug and oil drain plug for ease of maintenance.



Push / Pull Trolley

Trolley is adjustable for a range of 2" to 8" flange widths with no additional materials required. Rubber bumpers, dual tread flanged wheels and drop lugs are provided as standard.



Hand Geared Trolley

Trolley is adjustable for a range of 2" to 8" flange widths with no additional materials required. Standard hand chain drop is 18". Rubber bumpers, dual tread flanged wheels and drop lugs are provided as standard.



Motorized Trolley

Trolley is adjustable for a range of 2" to 8" flange widths with no additional materials required. Rubber bumpers, dual tread flanged wheels and drop lugs are provided as standard. Motor is rated 30-minute duty (single phase motors are rated 20-minute). Class F motor insulation, standard thermal motor protection (built in thermal sensor) and conical pull-rotor style motor brake is provided.

ACCOLIFT® SC HOISTS - HOOK & LUG SUSPENSION

SINGLE PHASE / SINGLE SPEED HOOK & LUG 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 (lb)	Net Wt. (lb)
					HP	Amp. Draw				
						115V	230V			
1/8	2530010	20	18	33	1.0	22.0	11.0	.197x(1)	0.35	62
1/4	2530020			21	1.0	22.0	11.0	.197x(1)	0.35	62

SINGLE PHASE / INVERTER CONTROL HOOK & LUG 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 (lb)	Net Wt. (lb)
					HP	Amp. Draw				
						115V	208/ 230V			
1/8	2530010-VFD	20	18	9-56	1.0	9.0	4.5	.197X(1)	0.35	62
1/4	2530020-VFD			6-33	1.0	9.0	4.5	.197X(1)	0.35	62
1/2	2530030-VFD			4-21	1.0	9.0	4.5	.197X(1)	0.35	64

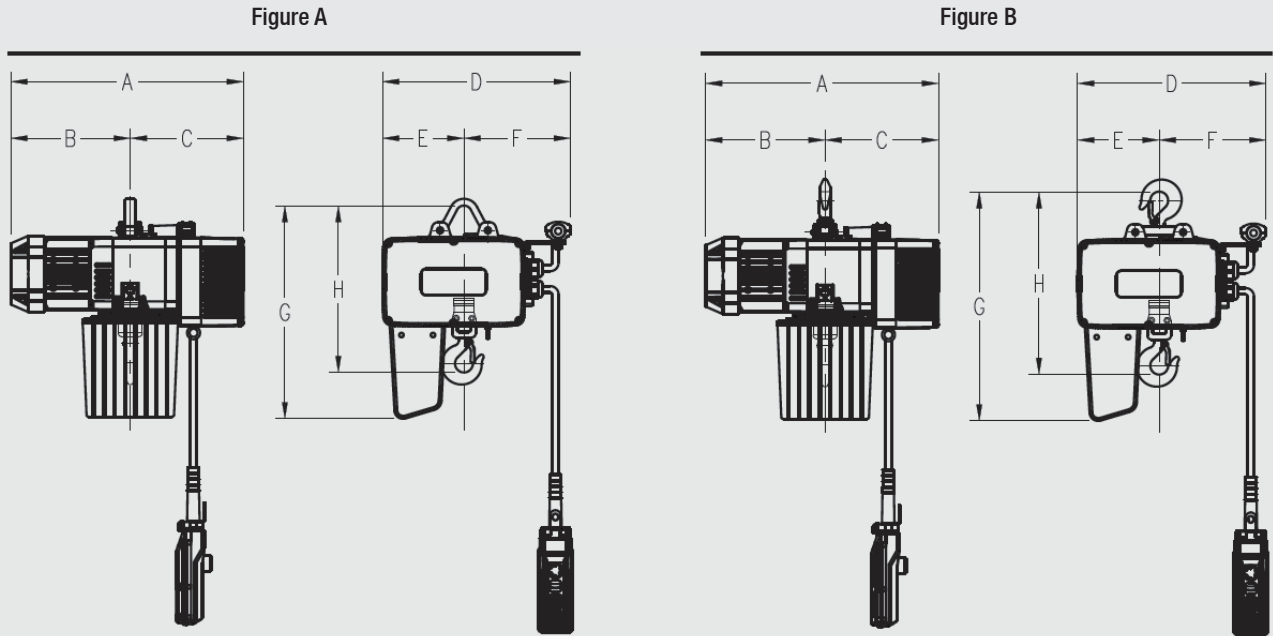
THREE PHASE / SINGLE SPEED HOOK & LUG SUSPENSION

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 (lb)	Net Wt. (lb)
					HP	Amp. Draw				
						208/ 230V	460V			
1/8	2430010	20	18	56	1.0	5.0/4.5	2.5	.197X(1)	0.35	62
1/4	2430020			33	1.0	5.0/4.5	2.5	.197X(1)	0.35	62
1/2	2430030			25	1.0	5.0/4.5	2.5	.197X(1)	0.35	64

THREE PHASE / INVERTER CONTROL HOOK & LUG 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 (lb)	Net Wt. (lb)
					HP	Amp. Draw				
						208/ 230V	460V			
1/8	2430010-VFD	20	18	9-56	1.0	5.0/4.5	2.5	.197X(1)	0.35	62
1/4	2430020-VFD			6-33	1.0	5.0/4.5	2.5	.197X(1)	0.35	62
1/2	2430030-VFD			4-25	1.0	5.0/4.5	2.5	.197X(1)	0.35	64

DIMENSIONS - HOOK & LUG SUSPENSION



Dimensions in Inches (Nominal). For hook dimensions, see page 12.

Model Number	A	B	C	D	E	F	G-Figure A	G-Figure B	H-Figure A	H-Figure B
2530010	17.6	9.0	8.6	14.2	6.2	8.0	16.0	17.0	12.4	13.4
2530020	17.6	9.0	8.6	14.2	6.2	8.0	16.0	17.0	12.4	13.4
2530010-VFD	17.6	9.0	8.6	14.2	6.2	8.0	16.0	17.0	12.4	13.4
2530020-VFD	17.6	9.0	8.6	14.2	6.2	8.0	16.0	17.0	12.4	13.4
2530030-VFD	17.6	9.0	8.6	14.2	6.2	8.0	16.2	17.2	12.6	13.8
2430010	17.6	9.0	8.6	14.2	6.2	8.0	16.0	17.0	12.4	13.4
2430020	17.6	9.0	8.6	14.2	6.2	8.0	16.0	17.0	12.4	13.4
2430030	17.6	9.0	8.6	14.2	6.2	8.0	16.2	17.2	12.6	13.8
2430010-VFD	17.6	9.0	8.6	14.2	6.2	8.0	16.0	17.0	12.4	13.4
2430020-VFD	17.6	9.0	8.6	14.2	6.2	8.0	16.0	17.0	12.4	13.4
2430030-VFD	17.6	9.0	8.6	14.2	6.2	8.0	16.2	17.2	12.6	13.8