

BUDGIT[®]
Hoists

POWERED HOISTS & TROLLEYS

ELECTRIC CHAIN HOISTS

AIR CHAIN HOISTS

TROLLEYS



COLUMBUS MCKINNON CORPORATION

Budgit Electric Hoist

Since 1935, Budgit® has led the industry in innovation, quality, and dependability. Our compact, lightweight, economical hoists are built to withstand the rigors of heavy service and repeated lifting cycles. Budgit hoists are easy to service, require minimal maintenance, and offer excellent headroom.

Budgit Hoists are designed for H4 duty (300 starts/hour, 30 minutes/hour on time), which meets most heavy-duty industrial applications. BUDGIT's range of specifications and features have made it the perfect solution for thousands of hoists sold in industries such as:

- Automotive Industry
- Chemical Plants
- Pulp and Paper
- Fabricating shops/ machine shops
- Lumber Mills
- Marine
- Manufactured Housing Industry
- Foundries and Steel Mills
- Construction
- Shipping receiving and warehousing
- Textile
- Plastics

Budgit also offers special hoists for specific industries

Food Handling and Pharmaceutical

Options include clean hoist (no paint) or FDA approved epoxy enamel paint, stainless steel lower block, hooks and chain and food grade oil for gear transmission.

Corrosion Resistant / Plating Applications

Options include zinc-plated load chain and hooks, zinc-plated or anodized lower block, motor shaft seal and sealing of electrical joints.

Explosion Proof and Spark Resistant Features

Hoist options allow for use in Class 1, Div. 2, Group C & D applications and Class 2, Div.2, Group F & G. Options include NEMA 7 panel for Class 1, Div. 1 and NEMA 4/12 panel for Class 2, Div. 2, stainless steel load chain, hook & lower block and intrinsically safe relays.

Precision Handling

Budgit offers a wide range of hoisting speeds to suit your application. Optional 2-speed control (3:1 speed ratio) or variable frequency control (10:1 speed ratio) will offer precision handling control of loads.

Outdoor Service

Weather resistant options such as zinc-plated load chain, water resistant covers and sealing of electrical joints make the hoist a good choice for use in outdoor applications.

UNSURPASSED **VALUE** WITH A **BUDGIT**

Think Safety, Think Budgit

Standard safety features:

- Overload Clutch – prevents and protects operator, hoist and supporting structure from lifting excessive loads.
- Paddle Type Upper & Lower Limit Switch – Automatically shuts down power to the hoist preventing lower block from two-blocking into hoist frame.
- Safety Latches – Spring loaded safety latches for both upper and lower hooks.
- Designed To Meet ASME/ANSI B30.16, CSA, NEC electrical codes and is ISO 9001 certified.

Budgit Electric Hoist Cutaway



Manguard Overload Protection

The Manguard prevents lifting loads beyond the hoist's load range, which may damage the hoist or supporting structure. Optional mechanical load brake is available.

NEW Heavy Duty Motor Brake

AC spring set disc brake for positive braking action and long life with minimal maintenance. Easy 1-step adjustment procedure.

Gearing

Totally enclosed, oil-bath lubricated for long life.

High-Torque, Heavy Duty Hoist Motor

Motors are H4 30-minute rated with class "F" insulation and include a thermal actuated switch (TAS) embedded in the motor winding for protection

Load Sprocket & Chain Guide

Provided with a full floating chain guide that assures proper engagement of chain on load sprocket.

Lower Block

Provided with a 360° rotating hook riding on thrust bearings. As standard, the hook is provided with a spring-loaded latch.

Push-Button Controls

Standard push-button control station is contoured for operator comfort allowing easy one-handed sure grip control and provided with a weatherproof NEMA-4X enclosure. The push-button cable is provided with built-in strain relief to help prevent cable damage.

Suspension

Hook suspension permits portability of the hoist while lug suspension reduces headroom and can be used with any of our rigid-mount trolleys. New design allows easy change out of either hook or lug suspension.

Paddle Limit Switch

Paddle upper & lower control limit switch standard on all hoists.

Hoist Controls

Single speed (standard) or optional two speed and variable frequency for precision handling is located under a removable cover for easy access.

Powder Coat Finish

Provides a long lasting durable finish and added resistance to corrosive environments.

Chain Container

Included as standard for lifts up to 20'.

Die-Cast Aluminum Alloy Housing and Frame

Lightweight & rugged. Housing is precision machined for accurate gear and bearing alignment.

All hoists are built in compliance to ASME/ANSI B30.16 standards and NEC electrical codes. Budgit® electric hoists and motor-driven trolleys are CSA approved and are ISO9001 certified.

Specifications

Capacity Range	1/4 thru 3 tons
Lift	10 feet standard, additional lifts available.
Lifting Speed	5 to 64 FPM
AC Power Supply	115/230 1-60 HZ; 230/460-3-60 reconnectable or 208 and 575-3-60 single voltage
Control	Push-button control voltage of 115 volts standard on all models. 24-volt control optional.
Suspension	Hook and Lug

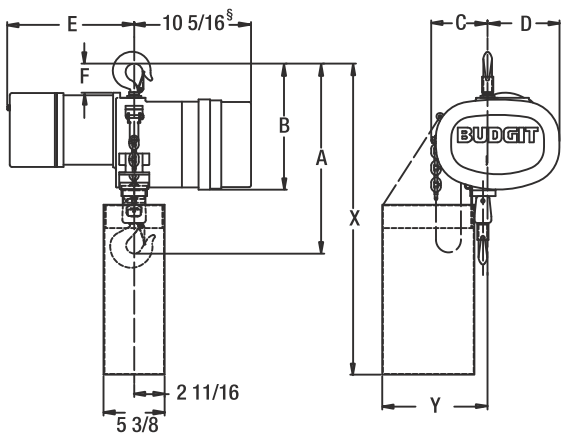
Hook & Lug Mounted Hoists



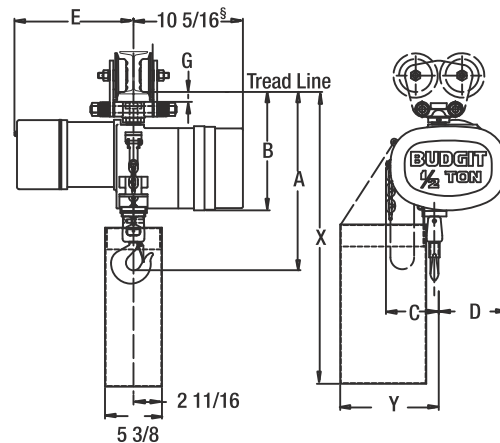
- Single speed standard. Optional 2-speed or variable frequency control available for precision load spotting.
- Heavy duty AC spring set motor brake with easy 1-step adjustment procedure.
- Gearing totally enclosed in oil-bath lubrication for long life.
- High-torque H4 rated heavy duty motor with Class 'F' insulation with thermal actuated switches embedded in the motor winding for protection from overheating
- Weatherproof NEMA-4X enclosed push-button control station specially contoured for operator comfort allowing easy one-handed sure grip control.
- Paddle type upper & lower control limit switch.
- Powder coat finish provides long lasting durable finish and added resistance to corrosive environments.
- Manguard overload protection prevents lifting excessive loads.
- Choice of either hook suspension permitting portability of the hoist or lug suspension which reduces valuable headroom.
- All hoists are built in compliance to ASME/ANSI B30.16 & CSA standards, ISO certified and NEC electrical codes.



Hook Mount



Lug Mount



§ This dimension becomes 11-5/16" for 2-speed and 2-1/2 Hp models only

Specifications & Dimensions

Capacity	Hoist Catalog #	Lift Speed	Motor	Parts of Chain	Net Weight	A		B		C	D	E** Max.	F	G	X***		Y
						Hook	Lug	Hook	Lug						Hook	Lug	
tons		FPM	H.P.		lbs	in	in	in	in	in	in	in	in	in	in	in	in
1/4	BEHC2516	16	1/4*	1	77	16-3/4	16-13/16	11-1/8	11-3/16	5	6-5/16	14-1/4	2-9/16	15/16	27-1/2	27-5/8	9-1/2
	BEHC2532	32	1/2		80												
	BEHC2564	64	1		77												
1/2	BEHC5016	16	1/2	1	80	16-3/4	16-13/16	11-1/8	11-3/16	5	6-5/16	14-1/4	2-9/16	15/16	27-1/2	27-5/8	9-1/2
	BEHC5032	32	1		81												
1	BEHC0108	8	1/2	1	88	17-1/2	17-3/8	11-7/16	11-3/8	5-1/8	6-5/16	14-1/4	2-15/16	1-1/8	27-7/8	27-3/4	9-1/2
	BEHC0116	16	1		89												
	BEHC0132	32	2-1/2		95												
2	BEHC0204	4	1/2	2	110	23	22-1/16	13-1/8	12-3/16	6-3/8	5-1/16	14-1/4	4-9/16	1-1/16	33-1/2	32-5/8	10-3/4
	BEHC0208	8	1		111												
	BEHC0216	16	2-1/2		112												
3	BEHC0305	5	1	3	136	25-7/8	26-5/16	14-3/8	14-7/8	7-7/8	7-1/8	14-1/4	5-7/8	2	38-7/8	39-1/4	12-1/4
	BEHC0310	10	2-1/2		146												

* Two speed hoist has a 1/2 H.P. motor

** Maximum length between one & two speed model hoists. Consult factory for exact dimensions.

*** Dimensions based on lifts thru 30 ft (1/4 - 1 Ton capacities), thru 15 ft lift (2 Ton capacity) and thru 10 ft lift (3 Ton capacity)

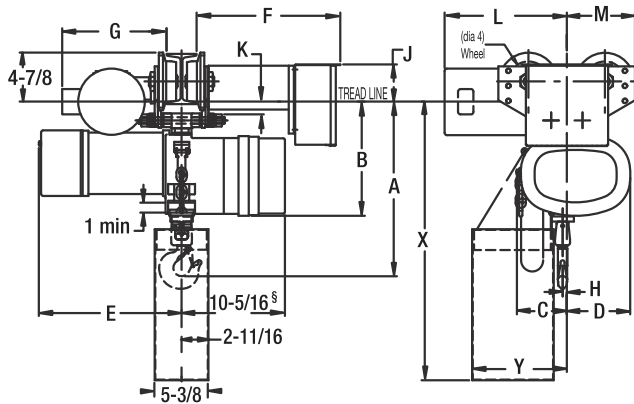
Lug Hoists with Motor Driven Trolley



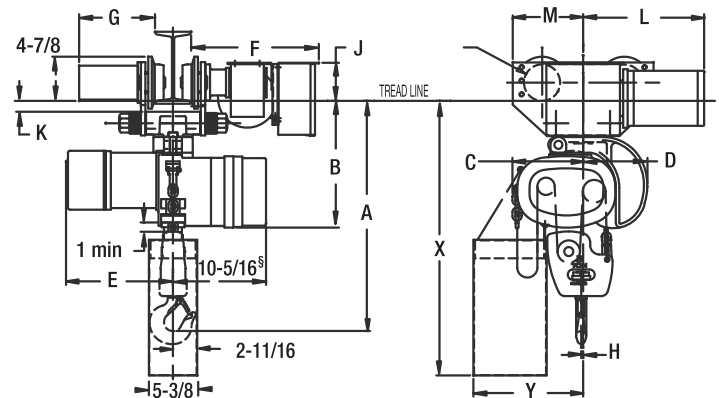
One & Two Speed Hoists

- Single speed standard. Optional 2-speed or variable frequency control available for precision load spotting for both hoist and trolley motions.
- Heavy duty AC spring set hoist motor brake with easy 1-step adjustment procedure.
- Trolley worm gear design provides smooth stopping performance.
- Hoist gearing totally enclosed in oil-bath lubrication for long life.
- Weatherproof NEMA-4X enclosed push-button control.
- Paddle Type upper & lower hoist travel limit switch.
- Manguard hoist overload protection prevents lifting excessive loads.
- All hoists and trolleys are built in compliance to ASME/ANSI B30.16 & CSA standards, NEC electrical codes and are ISO 9001 certified.

1/4, 1/2, 1 & 2 Ton Trolley



3 Ton Trolley



§ This dimension becomes 11-5/16" for 2-speed and 2-1/2 Hp models only

Specifications & Dimensions

Capacity	Hoist Catalog Number	Lift Speed	Motor	Parts of Chain	Net Weight	A	B	C	D	E** Max.	F Max.	G Max.	J	K	L Max.	M Max.	X***	Y	H
tons		FPM	H.P.		lbs.	in	in	in	in	in	in	in	in	in	in	in	in	in	in
1/4	BEHC2516	16	1/4*	1	162	17-1/16	10-3/16	5	6-5/16	14-1/4	14-3/8	10-3/8	3-3/4	1-3/16	12-1/4	6-13/16	27-7/8	9-1/2	7/16
	BEHC2532	32	1/2		165														
	BEHC2564	64	1		164														
1/2	BEHC5016	16	1/2	1	165	17-1/16	10-3/16	5	6-5/16	14-1/4	14-3/8	10-3/8	3-3/4	1-3/16	12-1/4	6-13/16	27-7/8	9-1/2	7/16
	BEHC5032	32	1		166														
1	BEHC0108	8	1/2	1	173	17-7/16	10-3/16	5	6-5/16	14-1/4	14-5/16	10-3/8	3-11/16	1-3/16	12-1/4	6-13/16	27-7/8	9-1/2	7/16
	BEHC0116	16	1		174														
	BEHC0132	32	2-1/2		182														
2	BEHC0204	4	1/2	2	207	22-1/4	11-1/8	6-3/8	7-1/16	14-1/4	14-1/2	10-1/2	4-3/8	1-1/4	12-1/4	7-9/16	28-3/4	10-3/4	3/16
	BEHC0208	8	1		209														
	BEHC0216	16	2-1/2		210														
3	BEHC0305	5	1	3	296	25-9/16	12-7/8	7-7/8	7-1/8	14-1/4	14-1/4	8-1/2	4-3/16	1-1/4	13-1/2	7-13/16	30-1/2	12-1/4	7/32
	BEHC0310	10	2-1/2		304														

* Two speed hoist has a 1/2 H.P. motor

** Maximum length between one & two speed model hoists. Consult factory for exact dimensions.

*** Dimensions based on lifts thru 30 ft (1/4 - 1 Ton capacities), thru 15 ft lift (2 Ton capacity) and thru 10 ft lift (3 Ton capacity)