

# ADVANTAGE



# HOIST





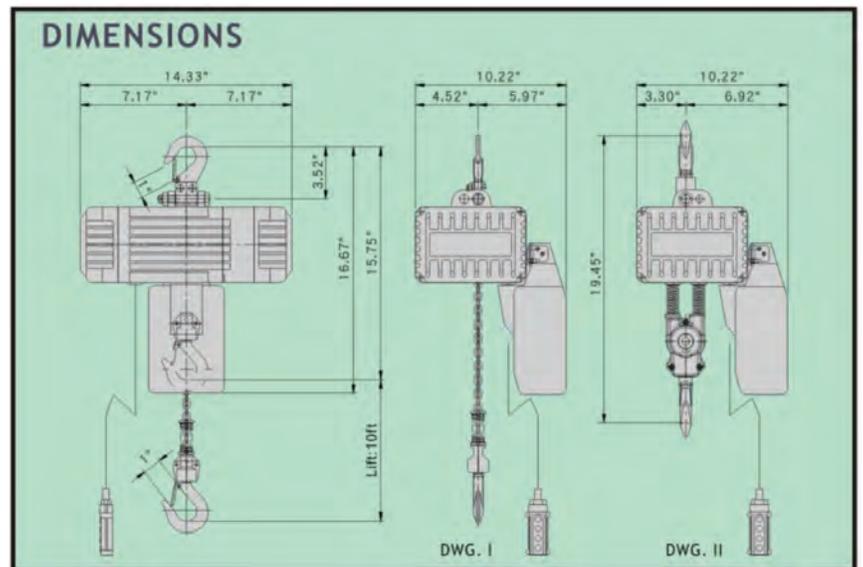
# PORTABLE SERIES

## FEATURES OF PORTABLE SERIES HOIST:

1. Plugs into regular 110V single phase outlet.
2. Standard Ip54, motor with insulation F and over heat protection.
3. Variable frequency control, low starting current, high efficiency.
4. Standard 2 speed control, with infinitely variable low speed using adjustable knob on push button.
5. Clutch serves as overload limit, as well as upper/lower limit switch.
6. Light weight design and easy to carry. Hoist weighs only 36 lbs, but can lift up to 700lbs.
7. Unit comes in its own carrying case.



Convenient carrying case for on the go operation.



## 110V SINGLE PHASE

Rated Power Source

Model (Dual-Speed-Type)	DWG.	Rated Load (Lbs)	Motor Output (HP)	Time Rating (Min)	Intermittent Duty		Lifting Speed (ft/min) 110V	Standard Lift (ft)	Push Button Cord (Ft)	Load Chain Diameter (mm)	Fall No	N.W./G.W.	
					Duty Rating (%ED)	Max Starting Frequency (times/hr)						10 ft	20 ft
PS-008	1	175	0.4	15	30	180	0~16/59	10	8	4x12	1	36/43	39/46
PS-016	1	350	0.8	15	30	180	0~16/59	10	8	4x12	1	36/43	39/46
PS-032	11	700	0.8	15	30	180	0~8/30	10	8	4x12	1	36/43	39/46

Packing (L x W x H): P 20 x 15 x 8 (in)

# STANDARD FEATURES ON ADVANTAGE PRO SERIES

Hoist motor features aluminum alloy cast housing for optimal motor heat dissipation and to reduce overall hoist height

Mechanical load brake assures braking even under overload conditions

Electric controls feature magnetic circuit breakers instead of fuses. In case of overload trip, the circuit breaker can be easily reset, eliminating the need to replace fuses. Phase error relay protection is also provided to prevent the motor from running when wired incorrectly. Variable frequency controls are available for applications requiring more than one lifting speed

Electro-Magnetic Brake provides instant braking and releasing of the full load upon push button command

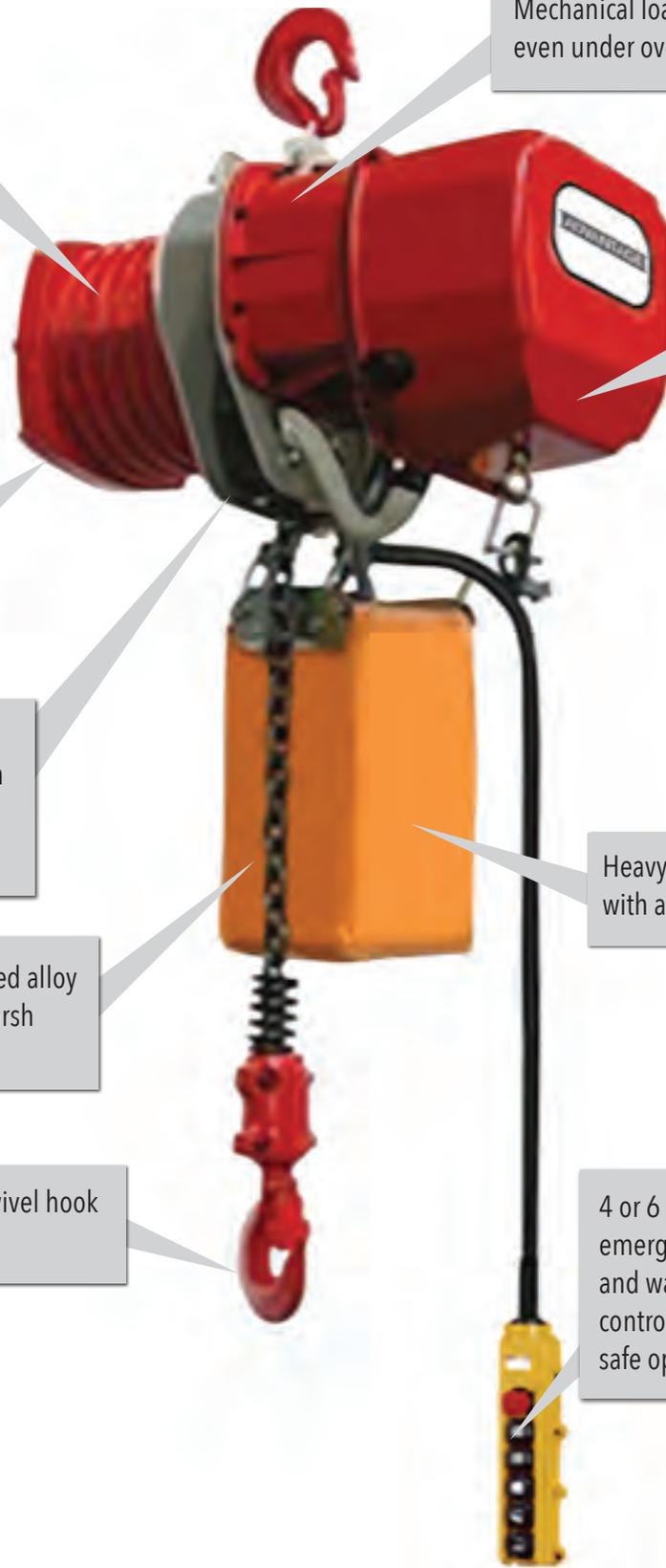
Upper and lower travel limit switches prevent the load from being raised too high and the chain running out

Heavy duty chain bag comes standard with all units

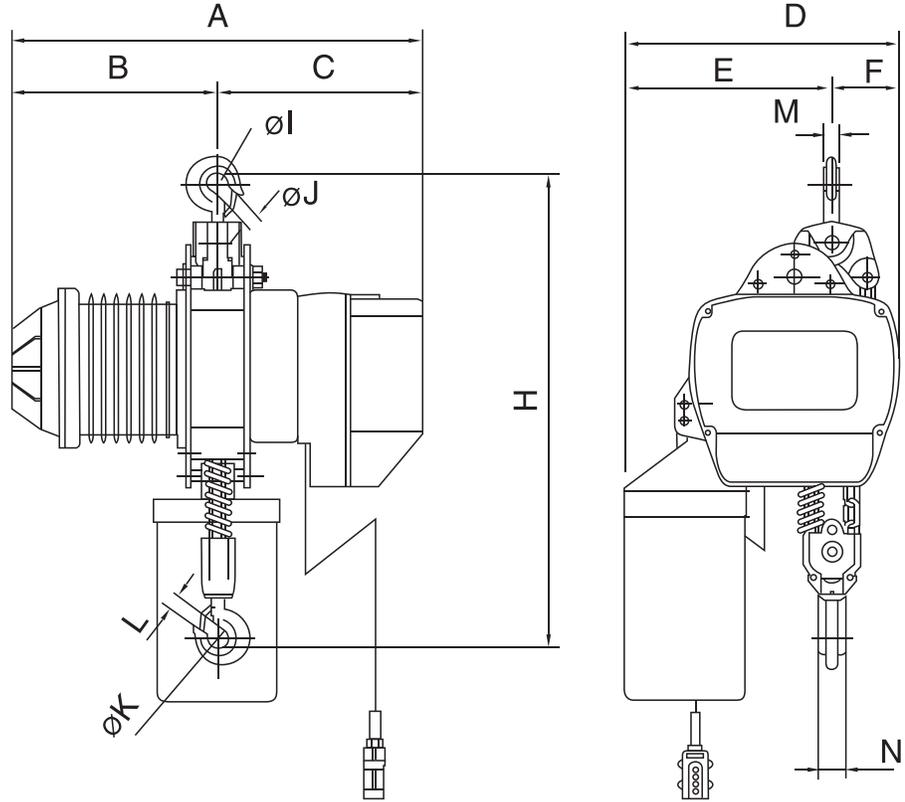
Grade 80 case hardened alloy steel chain endures harsh conditions

Forged steel 360° swivel hook with safety latch

4 or 6 push button pendant with emergency stop is durable, light weight, and water-proof. Power to pendant control transformed to 115v to ensure safe operation in case of short circuit



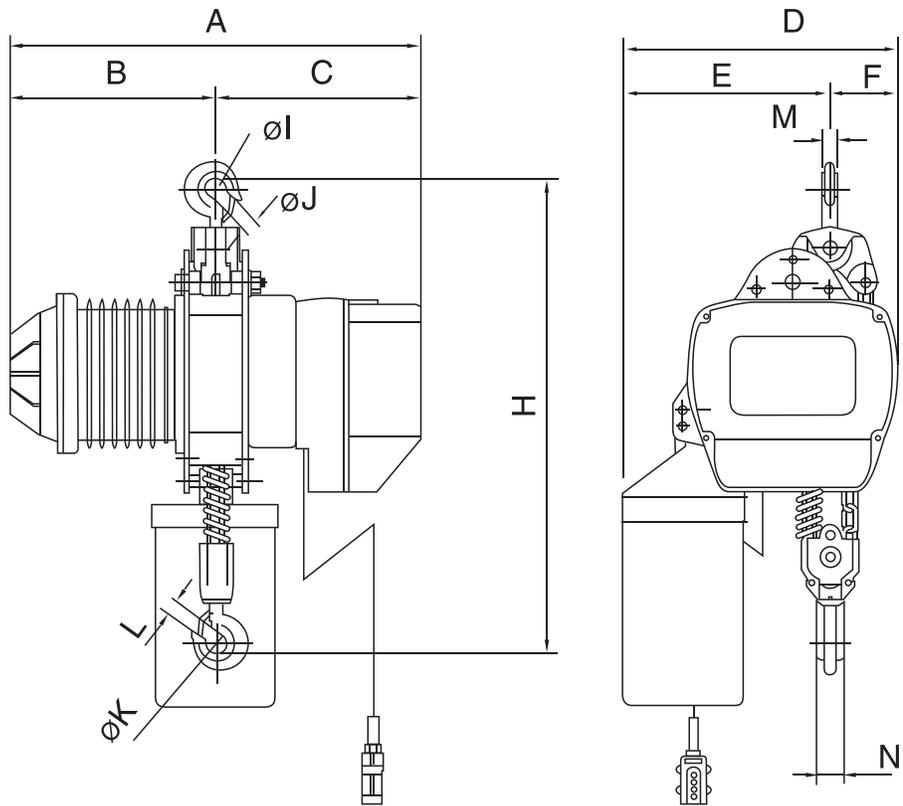
# PRO SERIES THREE PHASE 230/460V



INCHES

Cap. (Tons)	Model	Weight (at 20)	Speed (FPM)	Chain Falls	H	A	B	C	D	E	F	I	J	K	L	M	N
1/2	A-050-18		18	1	23.43	19.88	9.65	10.24	9.45	4.53	4.92	1.58	1.10	1.58	1.10	0.91	0.91
1	A-100-18		18	1	23.43	19.88	9.65	10.24	9.45	4.53	4.92	1.58	1.10	1.58	1.10	0.91	0.91
1	A-100-26		26	1	23.43	19.88	9.65	10.24	9.45	4.53	4.92	1.58	1.10	1.58	1.10	0.91	0.91
2	A-200-09		9	2	29.33	19.88	9.65	10.24	9.45	6.89	2.56	1.81	1.42	1.81	1.42	1.22	1.22
2	A-200-13		13	2	29.33	19.88	9.65	10.24	9.45	6.89	2.56	1.81	1.42	1.81	1.42	1.22	1.22
3	A-300-17		17	2	37.80	25.20	12.83	12.36	17.64	13.39	4.25	2.05	1.69	2.05	1.69	1.39	1.39
5	A-500-11		11	2	40.55	25.20	12.83	12.36	17.64	14.02	3.60	2.44	1.77	2.44	1.77	1.77	1.77
7.5	A-750-07		7	3	45.28	25.20	12.83	12.36	23.11	15.28	7.83	2.83	1.57	2.95	2.24	3.31	1.89
10	A-1000-11		11	4	50.00	25.20	12.83	12.36	23.11	19.10	19.09	19.09	1.57	3.94	2.68	3.62	2.36

# PRO SERIES SINGLE PHASE 115V



Cap. (Tons)	Model	Weight (at 20)	Speed (FPM)	Chain Falls	INCHES												
					H	A	B	C	D	E	F	I	J	K	L	M	N
1/2	ASP-050-15		15	1	23.43	19.88	9.65	10.24	9.45	4.53	4.92	1.58	1.10	1.58	1.10	0.91	0.91
1	ASP-100-15		15	1	23.43	19.88	9.65	10.24	9.45	4.53	4.92	1.58	1.10	1.58	1.10	0.91	0.91
2	ASP-200-08		8	2	29.33	19.88	9.65	10.24	9.45	6.89	2.56	1.81	1.42	1.81	1.42	1.22	1.22

# STANDARD FEATURES ON ADVANTAGE XL SERIES



MODEL: AXL-200-1



## ❶ TWO SPEED HOIST CONTROL

Fast high-speed for heavy production and second layer speed for precise positioning.

## ❷ MOTOR ASS'Y

Light and artistic motor housing is made of aluminum extruded alloy and motor coil can simply disassemble and repair.

## Chain Sprocket and Regulator

Can rapidly remove and replace unlike previous model have to remove motor or other components first.

## ❸ CHAIN SPROCKET

5-pocket chain sprocket for load chain smooth operation.

## ❹ MECHANICAL BRAKE AND OVERLOAD PROTECTION

- 1) 2 in 1 design, have the dual function of mechanical brake and overload protections.
- 2) Mechanical brake collocate motor brake with provides fast braking function.
- 3) Friction Clutch prevent damage from overloading.
- 4) Easily adjusted by the gear box outside Overload setting.
- 5) Ensure operation safety and product life time.

## ❺ GEAR LIMIT SWITCH

- 1) Can precisely control stopping point at any position.
- 2) Patents:
  - Taiwan patent no. MA466909
  - German patent no. Nr. 20 2014 006 109.2
  - Japan patent no. 3193570
  - China patent no. ZL 2014 2 0395985.8
  - United States patent no. US 9263201

## ❻ CONTROL PANEL

### Phase Error Relay

Phase protection, in case of any phase missing or incorrect, the hoist will not be in active, ensuring the safety and durability to all Components.

## ❼ LOAD CHAIN

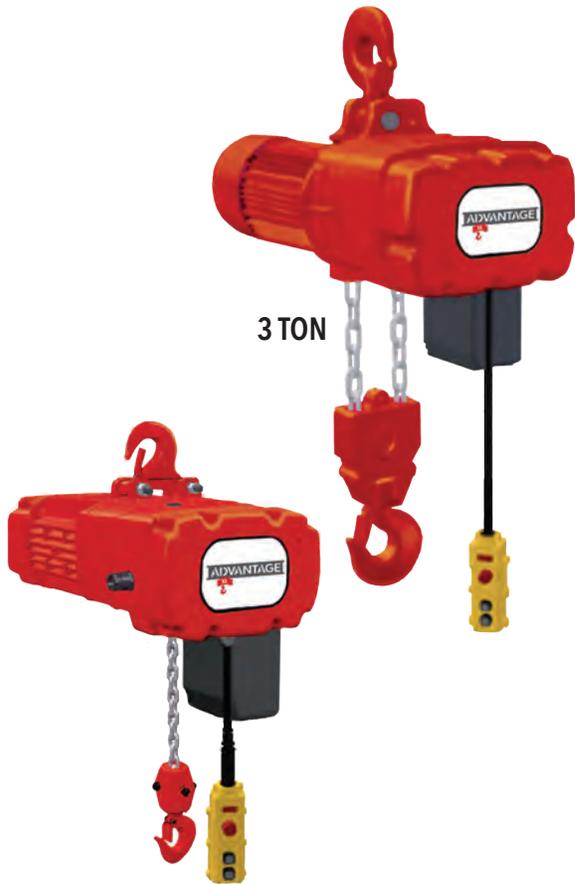
Grade 80 hardened and galvanized alloy steel chain, endures harsh conditions such as rain, saltwater and chemicals with minimal wear.

## ❽ HOOK

- 1) Hot forged from high tensile steel.
- 2) 360 degree rotation.

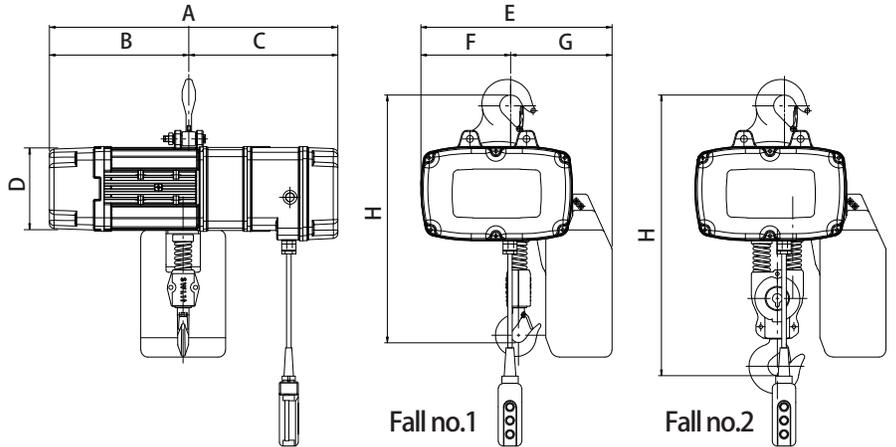
## ❾ PENDANT CONTROL

High protection grade IP65, fully water-proof, insulated, and impact resistant.



3 TON

## AXL SERIES



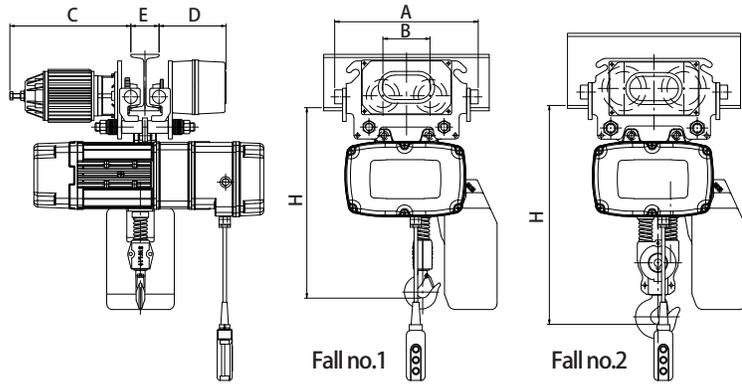
MODEL	CAPACITY (ton)	LIFT (ft)	Hoisting Speed (ft/min) 60Hz
AXL-200-1	2	20	31/7
AXL-300-2	3	20	21/5

MODEL	DIMENSIONS (in)							
	H	A	B	C	D	E	F	G
AXL-200-1	40.16	28.15	13.39	14.76	8.67	20.87	10.63	10.24
AXL-300-2	40.16	28.15	13.39	14.76	8.67	20.87	10.63	10.24

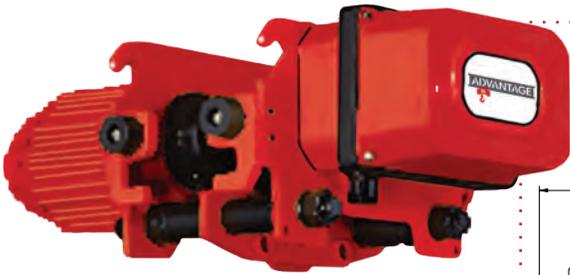
LOAD CHAIN		
Ømm	Fall No.	N.W. (lbs)
10x30	1	225
10x30	2	255



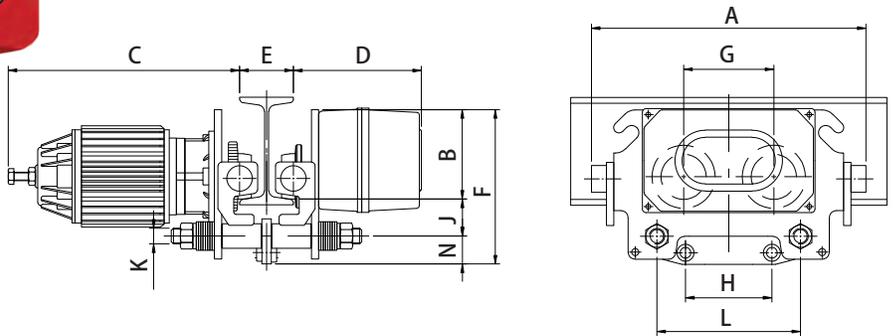
## HOIST WITH MOTORIZED AXL-M TROLLEY



MODEL	DIMENSIONS (in)						Fall No.
	H	A	B	C	D	E	
AXL-200-1+AXL-T-200-1	38.39	15.55	6.26	14.17	7.28	3.94~5.91	1
AXL-300-2+AXL-T-300-2	39.37	17.52	7.28	15.75	7.68	4.92~6.89	2



## MOTORIZED AXL-M TROLLEY



MODEL	Traversing Speed (ft/min) 60 Hz	DIMENSIONS (in)											N.W. (lb)
		A	B	C	D	E	F	G	H	L	J	N	
AXL-T-200-1	80	15.55	4.92	14.17	7.28	3.94~5.91	8.70	6.26	2.07	9.06	2.36	1.42	110
AXL-T-300-2	80	17.52	5.31	15.75	7.68	4.92~6.89	11.22	7.29	2.07	9.84	2.76	2.28	196

\*Different flange width options available on request. Maximum 11.81"