

EXPLOSION-PROOF

EPC-SERIES

IDEAL FOR HAZARDOUS ENVIRONMENTS

Specifically designed to meet the electrical standards required in hazardous or classified manufacturing and processing environments, David Round's EPC-Series chain hoists set a new standard for electric chain hoists.

EXPLOSION-PROOF/ DUST-IGNITION-PROOF

Featuring NEMA 7 or NEMA 9 enclosures, pendants and fittings as well as explosion-proof rated motors as required, EPC-Series electric chain hoists are intended for H-4 operation in Class I environments with flammable gasses and vapors and Class II locations where combustible dust is present. Units are further configured for use in either Division I or II-rated facilities.

SPARK-RESISTANT FEATURES

To further reduce the likelihood of inadvertent sparking during normal lifting operations, all EPC-Series hoists include spark-resistant features. Each EPC-Series hoist is supplied with rubber bumpers in addition to stainless steel trolley wheels, load chain, bottom block and hook.

2,200 Lb. explosion-proof electric chain hoist with spark-resistant features

CHAIN HOISTS



EXPLOSION-PROOF

EXPLOSION-PROOF CHAIN HOIST WITH MOTORIZED TROLLEY

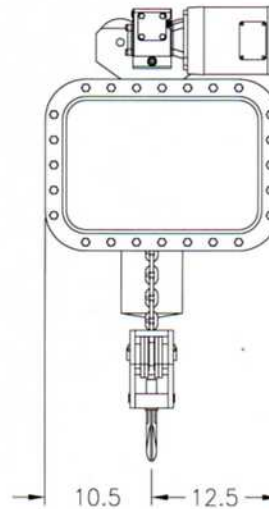
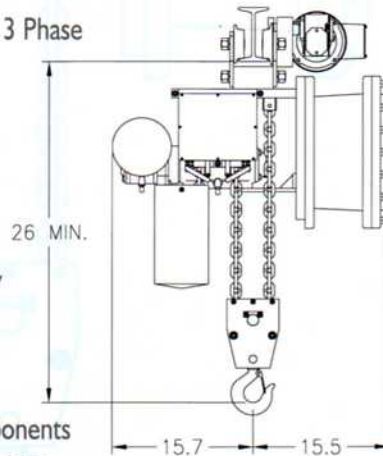


STANDARD FEATURES

- Spark-resistant components
 - Stainless steel trolley wheels
 - Stainless steel load chain
 - Stainless steel bottom block
 - Stainless steel safety hook
 - Rubber bumpers
- Universal trolley wheels for flat/tapered flange beams
Sealed gearing with oil bath lubrication
Upper/lower hook position limit switch
Reversing single speed controls for hoist and trolley
Automatic electric hoist brake
Stainless steel chain container
Lug mounted
230/460 Volts – 60 HZ – 3 Phase

OPTIONS

- Epoxy paint
- Variable speed operation with AC inverter
- Push or motorized trolley
- Trolley soft start
- Trolley brake
- Mainline contactor
- Corrosion-resistant components
- All stainless steel hoist designs
- Low-headroom versions
- Long-lift units
- Rail sweeps/restraining lugs
- Articulating trolleys
- Tractor drives



CHAIN HOISTS

ENVIRONMENT	DESCRIPTION	ENCLOSURES	PENDANT	MOTORS	BRAKES
Class I / Division I	Hazardous concentrations of flammable gasses or vapors exist.	NEMA 7	NEMA 7	Explosion-Proof	Hazardous Location - Div I
Class I / Division II	Volatile flammable liquids or gasses are normally confined.	NEMA 7	NEMA 7 or Intrinsically Safe	Explosion-Proof or TENV/TEFC	Hazardous Location - Div II
Class II / Division I	Ignitable amounts of hazardous dust present in atmosphere.	NEMA 9	NEMA 9	Explosion-Proof	Hazardous Location - Div I
Class II / Division II	Electrically conductive dust present in atmosphere.	NEMA 9	NEMA 9 or Intrinsically Safe	Explosion-Proof or TENV/TEFC	Hazardous Location - Div II

David Round manufactures both explosion-proof and dust-ignition-proof apparatus as specified by David Round's interpretation of Articles 500-504 of the National Electric Code (2002). However, it is the customer's responsibility to determine the class, division and group for each hoisting application and to ensure that each David Round product intended for use in a hazardous environment specifically meets the requirements for the intended area of use prior to installation and operation.