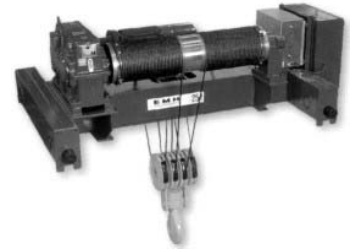

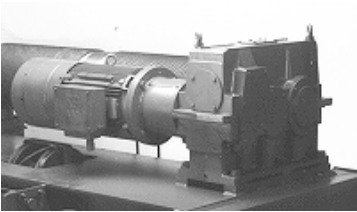
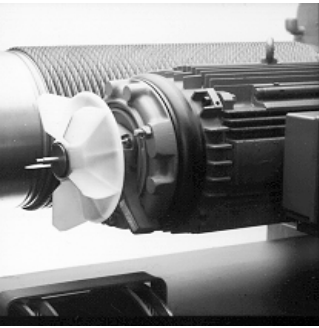
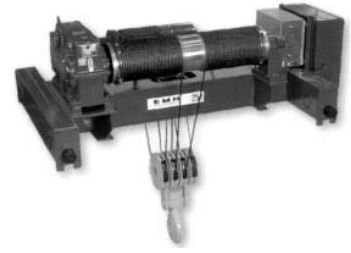


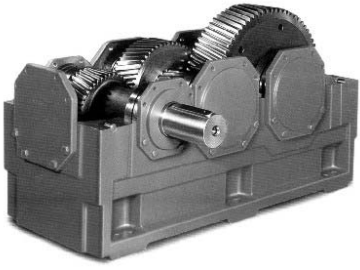
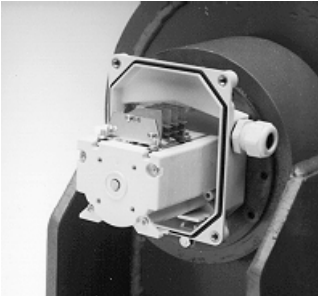

Features, Advantages and Benefits of EMH Engineered Hoists



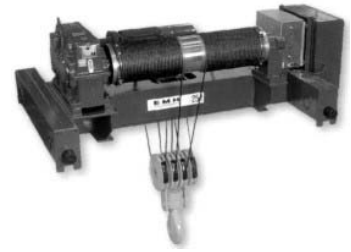
Feature	Advantage	Benefits
<p>Inverter Controls</p> 	<p>Infinitely variable speed control of all motions.</p> <p>Initial start shock is minimized.</p> <p>Over 50% overspeed capability</p>	<ul style="list-style-type: none"> * Lifting and lowering can be executed safely and precisely * Prolonged motor life * Increased productivity * Well suited for Class D and E applications
<p>Severe Demand Hoist Motors</p> 	<p>EMH hoist motors are designed and built to meet the most exacting demands of hoisting service.</p> <p>They are well suited for the frequent reversal and high torque of heavy-duty crane applications.</p> <p>The inverter duty motor is equipped with an encoder for closed loop speed regulation. This compact feedback mechanism is directly coupled to the motor.</p>	<ul style="list-style-type: none"> * Trouble Free Service * Longevity
<p>DC Rectified Disc Brakes</p> 	<p>A DC rectified magnet actuated disc brake is automatically applied in the event of a power failure. These self-compensating and virtually maintenance free brakes are provided with asbestos-free, non-polluting linings.</p>	<ul style="list-style-type: none"> * Operate millions of times without adjustment * Reduce service requirements * Provide longevity


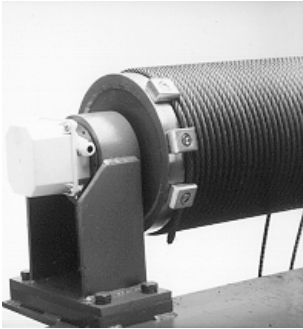

Features, Advantages and Benefits of EMH Engineered Hoists



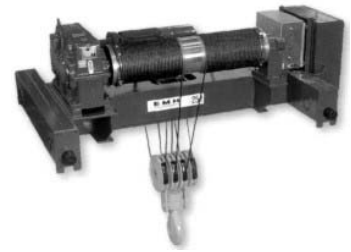
Feature	Advantage	Benefits
<p>Gear Box</p> 	<p>Unibody design allows many combinations of ratios, speeds and capacities</p>	<p>* Adaptable for a wide range of applications.</p>
<p>Geared Limit Switch</p> 	<p>A geared limit switch with one lower and two upper limits is standard.</p> <p>Easily adjustable, the switch brings the load hook to a positive stop at any desired position in both hoisting and lowering directions.</p>	<p>* Safe operation</p> <p>* Eliminate slack cable conditions</p> <p>* Prevent rope from unraveling</p>
<p>Weight Operated Limit Switch</p> 	<p>Addition safety feature used in addition to gear limit switch.</p>	<p>* Protects bottom block and load at upper limit.</p>



Features, Advantages and Benefits of EMH Engineered Hoists



Feature	Advantage	Benefits
<p>Encoder</p> 	<p>Provides feedback from motor to inverter control.</p>	<ul style="list-style-type: none"> * Smooth, reliable operation.
<p>Wire Rope and Drum</p> 	<p>Drum is of seamless steel tube construction with precision-machined grooves.</p> <p>At least two wraps of rope remain on the drum when the hook is fully lowered.</p> <p>Our rope is of IWRC (Independent Wire Rope Core) construction for excellent strength and crush resistance.</p>	<ul style="list-style-type: none"> * Longer rope life * Requires less maintenance * Prevents rope from being unbraided and cut * Protects operator from injury *
<p>4/2, 8/2 or 12/2 Standard Reeving</p> 	<p>Assures high capacity.</p> <p>Provides "True Vertical Lift" (TVL).</p>	<ul style="list-style-type: none"> * Enables precise lifting and lowering of heavy load * Increases productivity * Prevents damage to loads

Features, Advantages and Benefits of EMH Engineered Hoists



Feature	Advantage	Benefits
<p>Trolley Drive</p> 	<p>The trolley endtrucks, as with other EMH endtrucks, are direct drive, with fully enclosed gearing and inverter controlled motors for unlimited speed variation.</p>	<ul style="list-style-type: none"> * Increased reliability, simplified maintenance * Precise control of all hoist motions
<p>Wheels</p> 	<p>Both the bridge and trolley wheels are spheroidal castings impregnated with graphite. This means that as they roll, they also lubricate, protecting both the runway rails and the wheels from wear. Our wheel design is unlike any other in the industry. Simple yet rugged, it allows quick and easy wheel removal without special tools. There is no axle to undress.</p> <p>The tapered lock system eliminates the need for press fit and a keyway on the axle.</p>	<ul style="list-style-type: none"> * Years of trouble free service * Long life and high overload capacity * No special tools or technicians required for wheel removal * Tapered lock makes removal simple and efficient. * Smooth and quiet operating characteristics with the high dampening effect of cast wheels