



The Detroit Hoist “Dynex” frame “Severe Duty” wire rope hoist is available from stock in 10 & 15-ton capacity

- **Hoist Brake Motor, Inverter Duty, TEFC, 1.0 SF, S2 duty rating, Class F, 1745 rpm, DC Rectified Disc brake, 200% torque, IP55**
- **Mechanical Gear Brake with Kevlar Linings for Extended Life, designed for inverter operation**
- **Hoist motion controlled by Open Loop Vector Drive**
- **Over-speed protection through PLC pulse input from drum-encoder**
- **Continuous overweight monitoring**
- **Auto-Speed Function increases hoisting speed by 50% with 50% or less of capacity on hook**
- **Bypass switch for 125 % load test without the need for program change**
- **“Real” True Vertical Lift**
- **Dual wire ropes, 8 by 19 IWRC with standard button fittings. Right & Left Lay, 5:1 design factor**
- **Max fleet angle 4.0°**
- **22.8 to 1 rope to drum & 20.3 to 1 rope to sheave ratio**
- **Trolley Motors, Inverter Duty, TEFC, 1.15 SF, S1 duty rating, Class F, 1745 rpm, DC Rectified Disc brake, IP55**
- **Trolley motion controlled by Open Loop Vector Drive**
- **Dual trolley drives keyed directly to rotating axles, both sides of hoist driven**
- **Graphite Ductile Iron Trolley Wheels Hardened to 63 HRC**
- **Bumpers & Drop Lugs / Rail Sweeps**
- **Forged hook with safety latch, 5:1 design factor**
- **Branch Circuits have Circuit Breakers and Thermal Protection for each motor**
- **All Electrical Control Components are UL Listed or Equal**
- **110V Control Voltage**
- **NEMA 4 Control Enclosure**
- **E-Stop through Paddle Limit**
- **Configurable Upper & Lower Limits**



Model #: D20M20-16M70SP & D20M31-16M70SP & D30M31-15M70SP

Capacity: 10 Ton / 15 Ton

Reeving: 3 PD / 4 PD

Lift / Rope: 20'-0" & 31'-0" / 31'-11" - 10 mm diameter 8 by 19 IWRC

Hoist Speed: 16 / 4 fpm / 15 / 4 fpm 2 step maintained or 2 step Infinite Variable

Hoist Motor: 7.8 kw @ 1.0 SF, S2 Duty / 15.5 kw @ 1.0 SF, S2 Duty

Trolley Speed: 70 / 18 fpm 2 step maintained or 2 step Infinite Variable

Power Supply 460 V / 3 Φ / 60 hz

Duty Class: CMAA Class D

Weight: 1,800 lbs