



M Series: Equal Speed

High-performance, high-efficiency planetary winch with equal speed in both directions. The M series offers exceptionally smooth lowering control of the maximum rated load in a step-less operation.

- Hydraulic gear motor
- Spring-applied, pressure-released, automatic multi-disc brake
- Over-running clutch enables free rotation in the hoisting direction without affecting the brake.
- During lower operations, the over-running clutch locks causing the disc brakes to rotate between a series of divider discs. Dynamic braking is then achieved by modulation of the winch control valve handle. When the control is returned to neutral position, the brake applies automatically.
- A counter-balance valve is not required for smooth and positive "Down" control.

H Series: Rapid Reverse

High-performance, high-efficiency planetary winch with rapid reverse speed 4.5 times faster than forward speed. In reverse rotation (lowering), the maximum load can be positively controlled at a line speed equal to the hoisting speed.

- Hydraulic gear motor
- Spring-applied, pressure-released multi-disc brake with static and dynamic functions
- During hoisting, the hydraulic motor drives direct into the planetary reductions without affecting the brake assembly. When forward rotation is stopped, an over-running clutch will lock and the multi-disc brake will positively hold the maximum load.
- During lowering, the brake is released automatically and then modulated for the desired lowering speed by a single control lever.
- A counter-balance valve is not required for smooth and positive "Down" control.

| M Series | | Equal Speed in Both Directions | | | |
|--|-----------|---------------------------------------|-----------|--------------|-----------------|
| H Series | | Rapid Reverse | | | |
| Model | Bare Drum | | Full Drum | | Drum Capacity |
| | Line Pull | Line Speed * | Line Pull | Line Speed * | |
| M5-3-230-1 | 6,000 lb | 69 fpm | 4,091 lb | 101 fpm | 1/2" - 152 ft |
| | 26.7 kN | 21 m/min | 18.2 kN | 31 m/min | 46 m |
| M8-3-30-1 H8-3-30-1 | 8,500 lb | 116 fpm | 5,795 lb | 170 fpm | 1/2" - 152 ft |
| | 37.8 kN | 35 m/min | 25.8 kN | 52 m/min | 46 m |
| M8A-3-30-1 H8A-3-30-1 | 7,000 lb | 135 fpm | 4,773 lb | 199 fpm | 1/2" - 152 ft |
| | 31.1 kN | 41 m/min | 21.2 kN | 61 m/min | 46 m |
| M8B-3-30-1 H8B-3-30-1 | 3,790 lb | 249 fpm | 2,584 lb | 366 fpm | 1/2" - 152 ft |
| | 16.9 kN | 76 m/min | 11.5 kN | 111 m/min | 46 m |
| M12-3-97-1 H12-3-97-1 | 12,121 lb | 104 fpm | 7,143 lb | 176 fpm | 5/8" - 222 ft |
| | 53.9 kN | 32 m/min | 31.8 kN | 54 m/min | 68 m |
| M12B-3-97-1 H12B-3-97-1 | 6,120 lb | 205 fpm | 3,606 lb | 348 fpm | 5/8" - 222 ft |
| | 27.2 kN | 63 m/min | 16.0 kN | 106 m/min | 52 m |
| M18-3-101-1 H18-3-101-1 | 18,000 lb | 122 fpm | 11,288 lb | 195 fpm | 3/4" - 170 ft |
| | 80.1 kN | 37 m/min | 50.2 kN | 59 m/min | 43 m |
| M25-7-86-1 H25-7-86-1 | 25,000 lb | 140 fpm | 16,860 lb | 207 fpm | 7/8" - 140 ft |
| | 111.2 kN | 43 m/min | 75.0 kN | 63 m/min | 43 m |
| M25B-7-86-1 H25B-7-86-1 | 12,698 lb | 273 fpm | 8,564 lb | 405 fpm | 7/8" - 140 ft |
| | 56.5 kN | 83 m/min | 38.1 kN | 124 m/min | 43 m |
| M50-7-86-1 H50-7-86-1 | 50,000 lb | 69 fpm | 33,889 lb | 102 fpm | 1 1/4" - 177 ft |
| | 222.4 kN | 21 m/min | 150.7 kN | 31 m/min | 54 m |
| M75-7-191-6 H75-7-191-6 | 75,000 lb | 72 fpm | 41,748 lb | 129 fpm | 1 1/8" - 727 ft |
| | 333.3 kN | 22 m/min | 185.6 kN | 39 m/min | 222 m |

*For H Series reversing speeds, multiply the line speeds listed by a factor of 4.5.

| HL Series | | Rapid Reverse & 2-Speed Forward | | | | | | | |
|--------------------|-----------|--|-----------|------------|------------|------------|-----------|------------|---------------|
| Model | Low Speed | | | | High Speed | | | | Drum Capacity |
| | Bare Drum | | Full Drum | | Bare Drum | | Full Drum | | |
| | Line Pull | Line Speed | Line Pull | Line Speed | Line Pull | Line Speed | Line Pull | Line Speed | |
| HL25-7-86-1 | 25,000 lb | 140 fpm | 16,860 lb | 207 fpm | 5,357 lb | 651 fpm | 3,613 lb | 965 fpm | 7/8" - 140 ft |
| | 111.2 kN | 43 m/min | 75.0 kN | 63 m/min | 23.8 kN | 198 m/min | 16.1 kN | 294 m/min | 43 m |

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| ⚠ CAUTION: | ⚠ WARNING: |
| The last 5 wraps of cable must be left on the drum to assist the cable clamp in holding the load. | Winches and capstans are not intended to be used for lifting or moving of persons. |