



## Equal Speed

High-performance, high-efficiency planetary winches offering equal speed in both directions. Ideal for hoisting and lowering applications.

- 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.



## PL Series

## Equal Speed in Both Directions

Model	Bare Drum		Full Drum		Drum Capacity
	Line Pull	Line Speed	Line Pull	Line Speed	
PL1-12-227-1	1,100 lb	78 fpm	821 lb	104 fpm	1/4" - 87 ft
	4.9 kN	24 m/min	3.7 kN	32 m/min	27 m
PL2-12-228-1	2,204 lb	83 fpm	1,633 lb	111 fpm	5/16" - 122 ft
	9.8 kN	25 m/min	7.3 kN	34 m/min	37 m
PL2A-12-228-1	1,285 lb	142 fpm	952 lb	189 fpm	5/16" - 122 ft
	5.7 kN	43 m/min	4.2 kN	58 m/min	37 m
PL5A-12-212-1	5,000 lb	60 fpm	3,698 lb	82 fpm	7/16" - 110 ft
	22.2 kN	18 m/min	16.4 kN	25 m/min	34 m
PL5-12-210-1	4,500 lb	135 fpm	3,328 lb	183 fpm	7/16" - 110 ft
	20.0 kN	41 m/min	14.8 kN	56 m/min	34 m
PL5-12-211-1	4,000 lb	72 fpm	3,098 lb	92 fpm	7/16" - 110 ft
	17.8 kN	22 m/min	13.8 kN	28 m/min	34 m
PL5-12-213-1	2,000 lb	142 fpm	1,479 lb	191 fpm	7/16" - 110 ft
	8.9 kN	43 m/min	6.6 kN	58 m/min	34 m
PL8-3-30-1	7,000 lb	122 fpm	5,202 lb	164 fpm	1/2" - 196 ft
	31.1 kN	37 m/min	23.1 kN	50 m/min	60 m

### ⚠ CAUTION:

The last 5 wraps of cable must be left on the drum to assist the cable clamp in holding the load.

### ⚠ WARNING:

Winches and capstans are not intended to be used for lifting or moving of persons.