

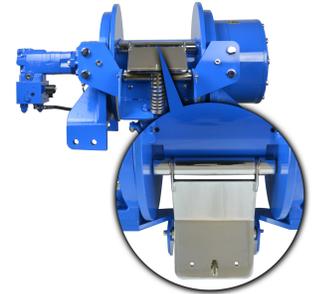


### 50,000 lb Rated Line Pull

Dual drag brakes



Superior cable-management  
Roller Tensioner



### Features and Benefits

- Less weight
  - 20% lighter than the competition
  - Stronger design
- Fast line speed
  - Up to 20 ft/min under full load
- Compact design
  - Optimizes space usage
  - Increased cable capacity
- Negative draft clutch design
  - Ensures positive hold on load
- Internal air-shift free spool
  - Enables remote operations
- Low temperature shifting (down to -40° F/C)
  - Allows for extreme cold weather operation
- High-efficiency gear set
  - Optimizes performance
- Superior cable management
  - Roller Tensioner
    - Improved bird nesting control
    - Constant spring force
    - Adjustable pneumatic force
    - Dual adjustable drag brakes
- Two speed motor
  - 12VDC 2-speed shifting
  - Reliable control signal

### HERCULES 50K Specifications

Rated Line Pull (Low Speed)	50,000 lb (22,670 kg)
Weight (without Cable)	740 lb (336 kg)
Gear Reduction	51.35:1

HERCULES 50K Standard Drum							
Layer of Cable		1	2	3	4	5	6
Rated Line Pull / Layer*	lb	50,000	41,800	36,000	31,600	28,100	25,400
	kg	22,680	18,960	16,320	14,330	12,740	11,520
Rated Line Pull / Layer*	lb	25,000	20,900	18,000	15,800	14,050	12,700
	kg	11,340	9,480	8,160	7,165	6,370	5,760
Line Speed – Low (at 25 GPM)*	FPM	20	22	25	28	31	35
	(MPM)	5.6	6.6	7.6	8.6	9.5	10.5
Line Speed – High (at 25 GPM)*	FPM	40	44	50	56	62	70
	(MPM)	11.2	13.2	15.2	17.2	19	21
Cable Capacity* Standard Drum	ft	25	60	100	145	190	250
	m	7	18	30	44	57	76

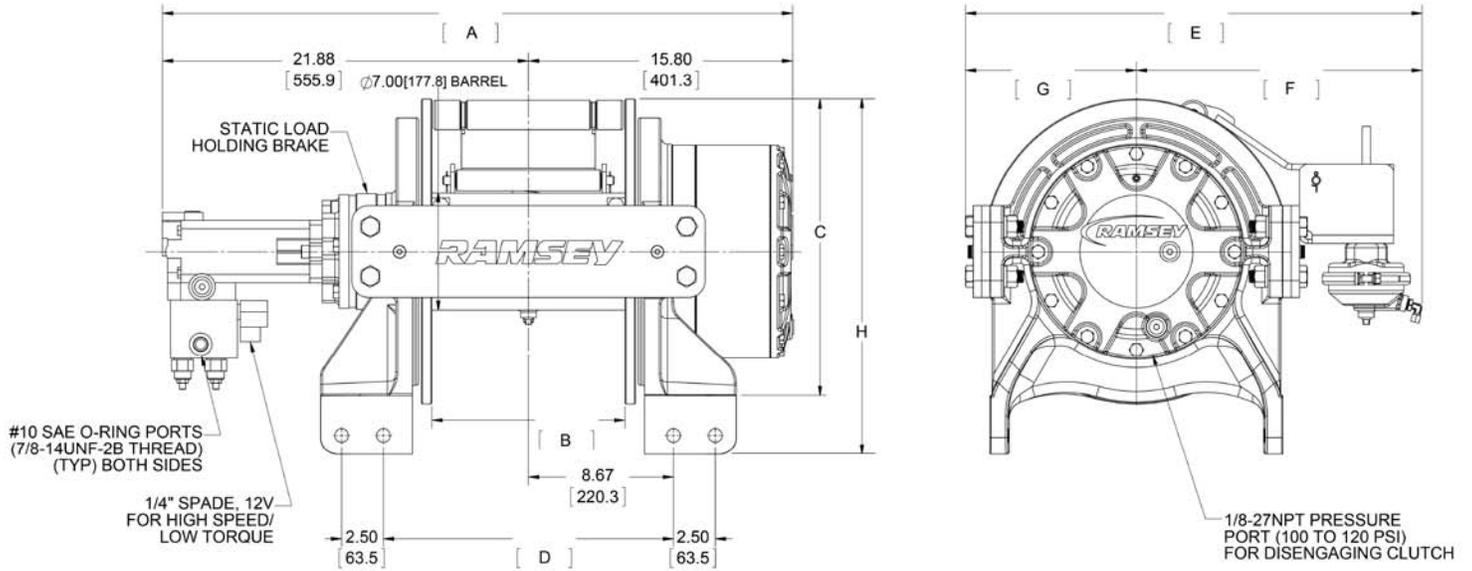
\*Specifications based on recommended wire rope of .75 inch dia. EIPS cable and 11.9 cu. in./rev. motor at 2900 psi working pressure.  
 – Directional control valve: 3-position, 4-way motor spool. – Winch meets SAE J706.

- Fabricated drum
  - Straight flanges reduce cable climbing
  - Cable anchors (2)
    - Left and right side
- Bi-directional winch
  - Flexibility for over or under winding
  - Dual cartridges c/b valves for easy rotation change
- Optional high angle roller tensioner
  - Designed for high angle boom applications



# HERCULES 50K Heavy Duty Planetary

Rated Line Pull **50,000 lb**



HERCULES 50K Winch Dimensions								
Winch Model	A inches mm	B inches mm	C inches mm	D inches mm	E inches mm	F inches mm	G inches mm	H inches mm
Standard Drum	37.68 957.2	11.54 293.2	18.25 463.6	17.34 440.4	27.31 693.6	17.09 434.1	10.22 259.6	21.25 539.8

## Performance with 11.9/5.95 in<sup>3</sup> 2-Speed Hydraulic Motor

