Ramsey Winch®

Hercules Series

The Most Robust Winch on the Market



Ramsey Industries

The Engineered Intelligence Behind
Every Lift, Pull, and Rotation

Hercules 15000

Heavy Duty Planetary



15,000 lb
Rated Line Pull

Features and Benefits

- **Synthetic rope approved**
  - 12-strand (HMPE), commonly known as Dyneema
  - Maximum winch capacity is 138 ft
- **Negative draft clutch design**
  - Ensures a positive hold on the load
- **Internal Air-Shift Freespool**
  - Enables remote operation
- **Low temperature shifting (down to -40° F/C)**
  - Allows for extreme cold-weather operation
- **Superior cable management-Roller Tensioner (optional)**
  - Improved bird-nesting control
  - Constant spring force
  - Adjustable pneumatic force
  - Dual adjustable drag brakes
- **Two speed motor**
  - 12 or 24 VDC 2-speed shifting
  - Reliable control signal
- **Bi-directional Winch**
  - Flexibility for over or under winding
  - Dual cartridge counterbalance valves for easy rotation change

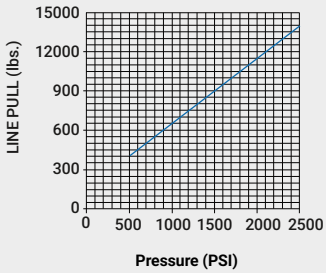
SPECIFICATIONS

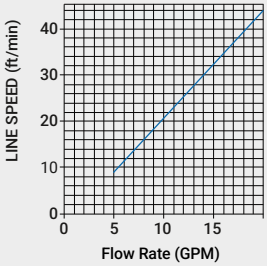
WINCH DRUM WIDTH (in.)		7.75
RATED LINE PULL	(lbs.)	15,000
	(kg.)	6,804
GEAR REDUCTION		25.529:1
WEIGHT (WITHOUT CABLE)	(lbs.)	300
	(kg.)	50

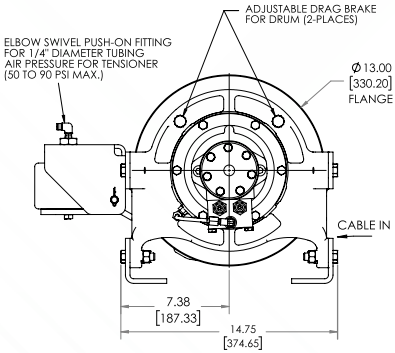
LAYER OF CABLE		1	2	3	4	5
RATED LINE PULL PER LAYER	lbs. kg.	15,000 6,804	12,712 5,766	11,029 5,003	9,740 4,418	8,721 3,956
CABLE CAPACITY	ft. m.	20 6	44 13	72 22	103 31	138 42
LINE SPEED	FPM MPM	44 13.5	52 15.7	59 17.9	66 20.1	73 22.3

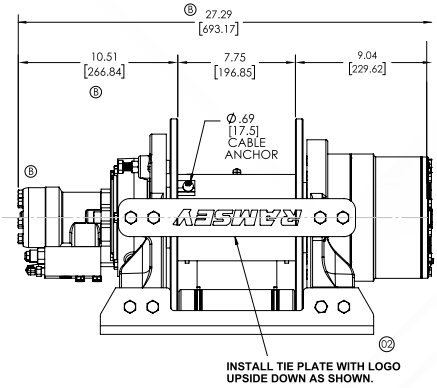
WINCH AND SPECIFICATIONS CONFORM TO SAE J706
SPECIFICATION CONDITIONS:
HYDRAULIC PRESSURE AND FLOW: 2708 PSI. AND 20 GPM.
MOTOR DISPLACEMENT: 6 CU. IN./REV
WIRE ROPE DIAMETER: 9/16 IN. EIPS OR EQUIVALENT

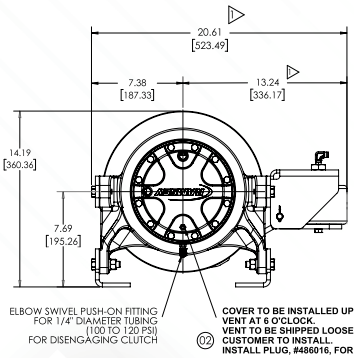
Hercules / 15000 /

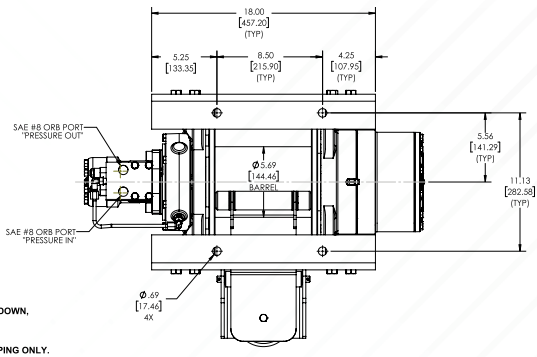












Hercules 20000

Heavy Duty Planetary



20,000 lb
Rated Line Pull

Features and Benefits

- Synthetic rope approved
  - 12 strand (HMPE), commonly known as Dyneema
  - Maximum winch capacity is 125 ft
- 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
- Superior cable management-Roller Tensioner (optional)
  - Improved bird nesting control
  - Constant spring force
  - Adjustable pneumatic force
  - Dual adjustable drag brakes
- Two speed motor
  - 12 or 24 VDC 2-speed shifting Reliable
  - control signal
- Bi-directional Winch
  - Flexibility for over or under winding
  - Dual cartridges c/b valves for easy rotation change

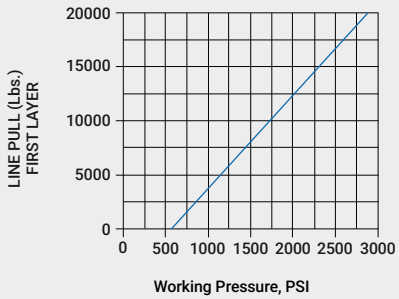
SPECIFICATIONS

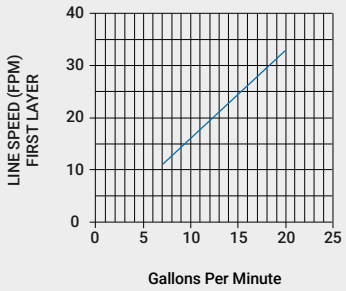
RELATED LINE PULL (lbs.) 20,000
(kg.) 9,070
GEAR REDUCTION 25.53:1
WEIGHT (WITHOUT CABLE) ..... 305 lbs. (138.3 kg.)

LAYER OF CABLE		1	2	3	4	5
RATED LINE PULL PER LAYER	lbs. kg.	20,000 9,070	16,900 7,660	14,700 6,660	12,900 5,850	11,600 5,260
CABLE CAPACITY	ft. m.	15 4	40 12.2	65 19.8	90 27.4	125 38.1
LINE SPEED	FPM MPM	30 9.1	35 10.7	40 12.2	45 13.7	50 15.2

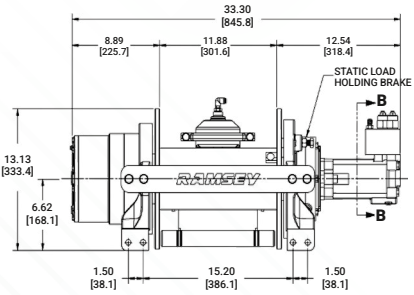
* THESE SPECIFICATIONS ARE BASED ON RECOMMENDED WIRE ROPE OF .56" DIAMETER EIPS CABLE AND 9.6 CU. IN./REV. MOTOR AT 2550 PSI WORKING PRESSURE
* DIRECTIONAL CONTROL VALVE: 3-POSITION, 4 WAY MOTOR SPOOL. (OPEN CENTER).
* WINCH MEETS SAE J706.

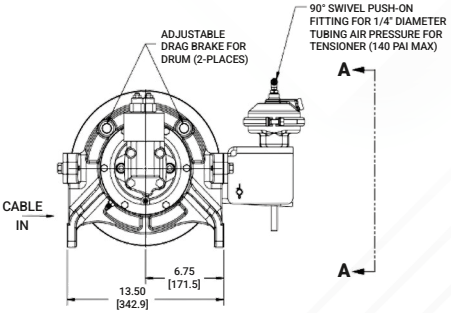
Hercules / 20000 /

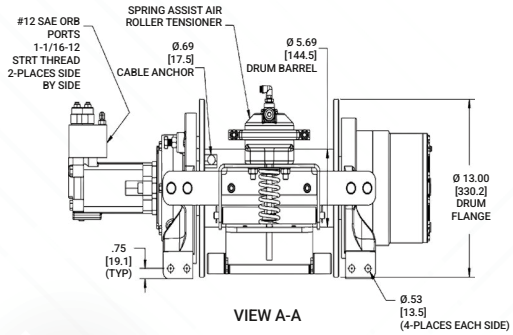


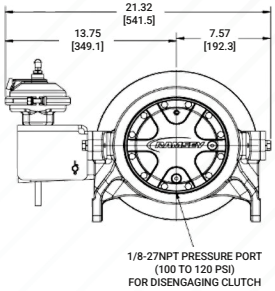


Based on 9.6 CU.IN./REV.MOTOR



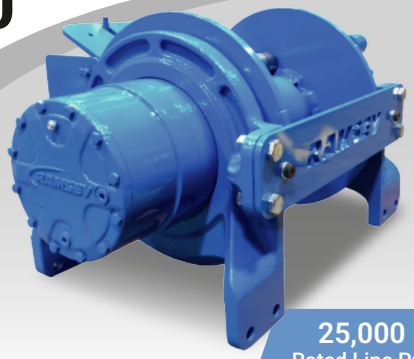






Hercules 25000

Heavy Duty Planetary



25,000 lb
Rated Line Pull

Available in two motor configurations

- 9.6 cu. in. motor | fast speed
- 11.9 cu. in. motor | standard speed

Features and Benefits

- **Synthetic rope approved**
  - 12 strand (HMPE), commonly known as Dyneema
  - Maximum winch capacity is 250 ft
- **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
- **Superior cable management-Roller Tensioner**
  - Improved bird nesting control
  - Constant spring force
  - Adjustable pneumatic force
  - Dual adjustable drag brakes
- **Two speed motor**
  - 12 or 24 VDC 2-speed shifting
  - Reliable control signal
- **Bi-directional Winch**
  - Flexibility for over or under winding
  - Dual cartridges c/b valves for easy rotation change

HERCULES 25000 Specifications
(9.6 cu. in. motor - Fast Speed)

Rated Line Pull (Low Speed)	25,000 lb (11,340 kg)
Weight (without Cable)	436 lb (198 kg)
Gear Reduction	25.53:1

HERCULES 25000 Standard Drum							
Layer of Cable		1	2	3	4	5	6
Rated Line Pull / Layer* (Low Speed)	lb	25,000	20,800	17,900	15,600	13,900	12,500
	kg	11,340	9,435	8,119	7,076	6,305	5,670
Rated Line Pull / Layer* (High Speed)	lb	12,500	10,400	8,950	7,800	6,950	6,250
	kg	5,670	4,717	4,060	3,538	3,152	2,835
Line Speed - Low (at 25 GPM)*	FPM	38	44	51	58	65	71
	(MPM)	11.6	13.4	15.5	17.7	19.8	21.6
Line Speed - High (at 25 GPM)*	FPM	76	88	102	116	130	142
	(MPM)	23.2	26.8	31.1	35.4	39.6	43.3
Cable Capacity* Standard Drum	ft	25	60	100	145	195	250
	m	7.6	18.3	30.5	44.2	59.4	76.2

*Specifications based on recommended wire rope of 63" (16 mm) EIPS cable and **9,8 ou. In. (157 oc) /rex. motor** at 2950 psi (203 bar) working pressure.
*Use only Ramsey Winch recommended synthetic rope.
- Directional control valve: 3-position, 4-way motor spool. - Winch meets SAE J706.

HERCULES 25000 Specifications
(11.9 cu. in. motor - Standard Speed)

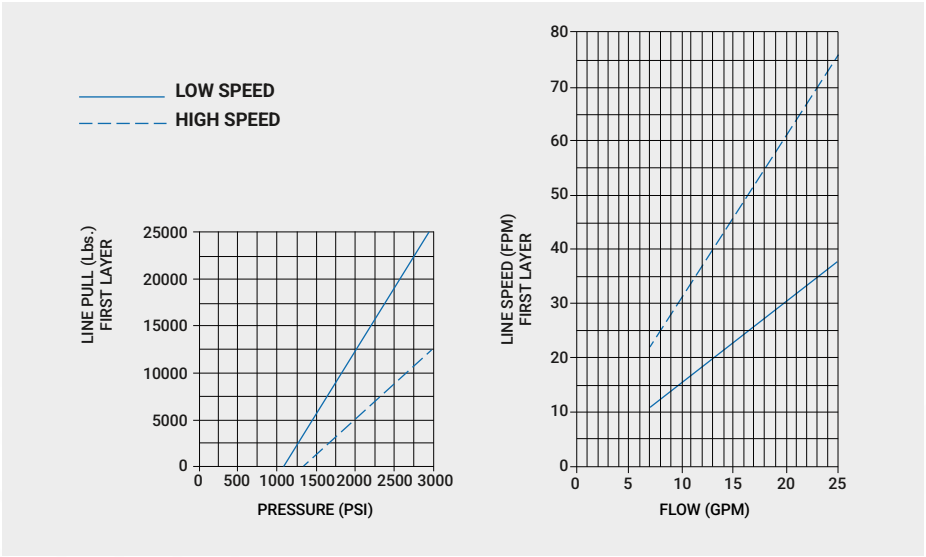
Rated Line Pull (Low Speed)	25,000 lb (11,340 kg)
Weight (without Cable)	436 lb (198 kg)
Gear Reduction	25.53:1

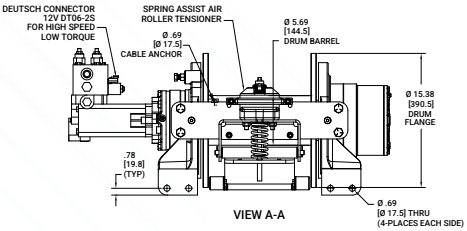
HERCULES 25000 Standard Drum							
Layer of Cable		1	2	3	4	5	6
Rated Line Pull / Layer* (Low Speed)	lb	25,000	20,800	17,900	15,600	13,900	12,500
	kg	11,340	9,435	8,119	7,076	6,305	5,670
Rated Line Pull / Layer* (High Speed)	lb	12,500	10,400	8,950	7,800	6,950	6,250
	kg	5,670	4,717	4,060	3,538	3,152	2,835
Line Speed - Low (at 25 GPM)*	FPM	28	33	39	44	50	56
	(MPM)	8.5	10.1	11.9	13.4	15.2	17.1
Line Speed - High (at 25 GPM)*	FPM	56	66	78	88	100	112
	(MPM)	17.1	20.1	23.8	26.8	30.5	34.1
Cable Capacity* Standard Drum	ft	25	60	100	145	195	250
	m	7.6	18.3	30.5	44.2	59.4	76.2

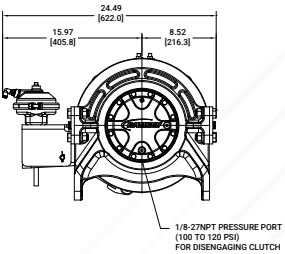
*Specifications based on recommended wire rope of 63" (16 mm) EIPS cable and **11,9 ou. In. (195 oc) /rex. motor** at 2,575 psi (203 bar) working pressure.
*Use only Ramsey Winch recommended synthetic rope.
- Directional control valve: 3-position, 4-way motor spool. - Winch meets SAE J706.

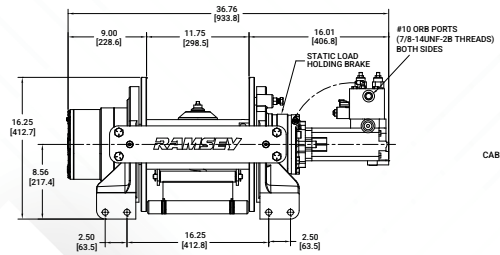
Hercules / 25000 /

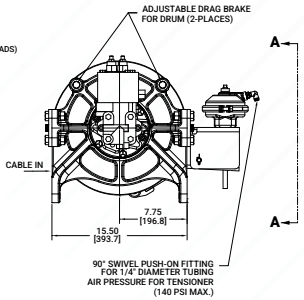
PERFORMANCE WITH 9.6/4.8 IN^3 2-SPEED HYDRAULIC MOTOR:











Hercules 35000

Heavy Duty Planetary



35,000 lb
Rated Line Pull

Features and Benefits

- Synthetic rope approved
  - 12 strand (HMPE), commonly known as Dyneema
  - Maximum winch capacity is 255 ft
- 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
- Superior cable management-Roller Tensioner (optional)
  - Improved bird nesting control
  - Constant spring force
  - Adjustable pneumatic force
  - Dual adjustable drag brakes
- Two speed motor
  - 12 or 24 VDC 2-speed shifting
  - Reliable control signal
- Bi-directional Winch
  - Flexibility for over or under winding
  - Dual cartridges c/b valves for easy rotation change
- Meets SAE J706

SPECIFICATIONS

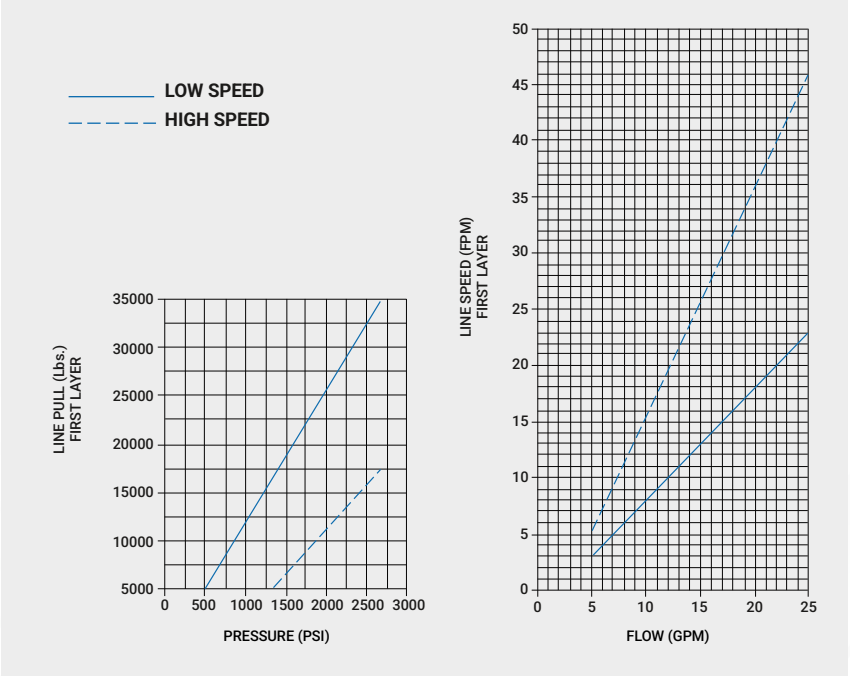
RELATED LINE PULL (lbs.)	35,000
(kg.)	15,909
GEAR REDUCTION	33.16:1
WEIGHT (WITHOUT CABLE)	500 lbs. (226.8 kg.)

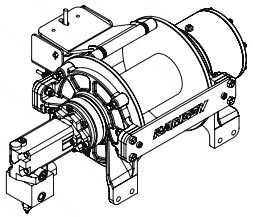
LAYER OF CABLE		1	2	3	4	5	6
RATED LINE PULL PER LAYER	lbs. kg.	35,000 15,875	28,600 12,972	24,200 10,976	21,000 9,525	18,500 8,391	16,500 7,484
CABLE CAPACITY	ft. m.	27 7	60 18	100 30	150 45	200 60	255 77
LINE SPEED (LOW) (AT 25GPM)	FPM MPM	23 7	27 8.2	32 9.7	36 10.9	41 12.5	46 14
LINE SPEED (HIGH) (AT 25GPM)	FPM MPM	46 14	56 16.4	64 19.4	72 21.8	82 25	92 28

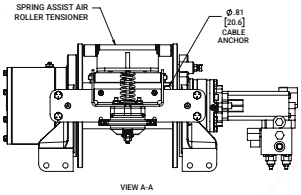
* THESE SPECIFICATIONS ARE BASED ON RECOMMENDED WIRE ROPE OF .62" DIAMETER EIPS CABLE AND 11.9 CU. IN./REV. MOTOR AT 2725 PSI WORKING PRESSURE.
* USE ONLY RAMSEY WINCH RECOMMENDED 5/8* SYNTHETIC ROPE.
* DIRECTIONAL CONTROL VALVE: 3-POSITION, 4 WAY MOTOR SPOOL.
* WINCH MEETS SAE J706 AT STATED WORKING PRESSURE.

Hercules / 35000 /

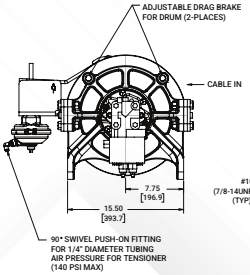
PERFORMANCE WITH 11.9/5.95 IN^3 2-SPEED HYDRAULIC MOTOR:

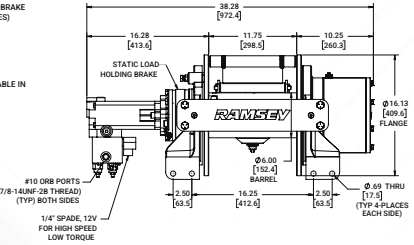


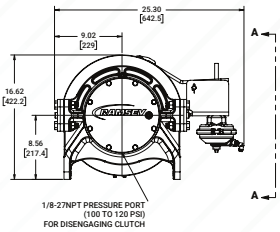




RATED LINE PULL: 35,000 LB.
GEAR REDUCTION: 33.16:1
WEIGHT (W/O CABLE): 500 LB.
CABLE CAPACITY:
255 FT. (6 LAYERS) OF Ø.62 WIRE ROPE
230 FT. (6 LAYERS) OF Ø.75 WIRE ROPE







Hercules 50000

Heavy Duty Planetary

- 200 lb lighter than the competition
- High-efficiency gear set



50,000 lb
Rated Line Pull

Features and Benefits

- Synthetic rope approved
  - 12 strand (HMPE), commonly known as Dyneema
  - Maximum Winch capacity is 250 ft
- 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
- Superior cable management
  - Roller Tensioner
  - Improved bird nesting control
  - Constant spring force
  - Adjustable pneumatic force
  - Dual adjustable drag brakes
- Two speed motor
  - 12 or 24 VDC 2-speed shifting
  - Reliable control signal
- Bi-directional Winch
  - Flexibility for over or under winding
  - Dual cartridges c/b valves for easy rotation change
- Meets SAE J706
- Optional high angle roller tensioner – Designed for high angle boom applications

Long Drum 50K

Dual Airbag

SPECIFICATIONS *(LOW SPEED)

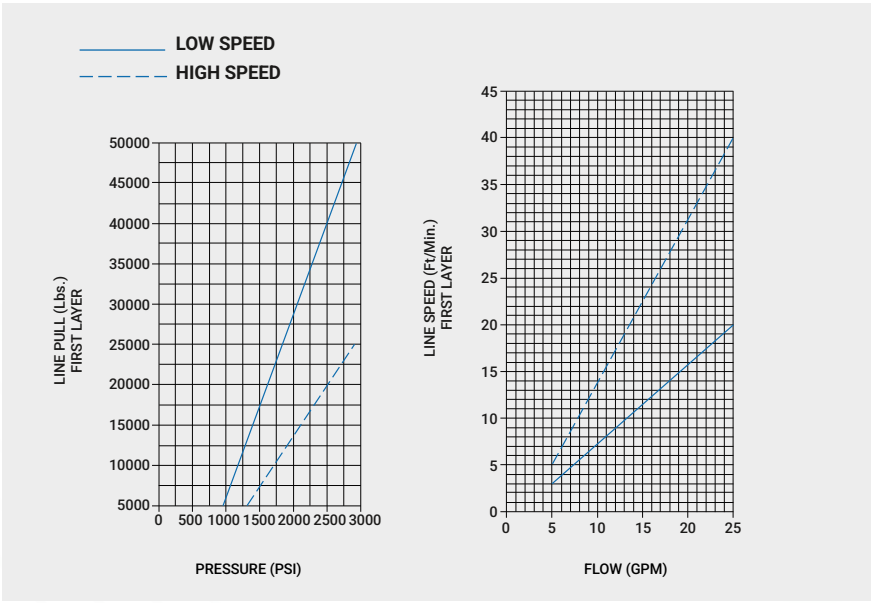
RELATED LINE PULL (lbs.) 50,000
(kg.) 2,670
GEAR REDUCTION 51.35:1
WEIGHT (WITHOUT CABLE) ..... 740 lbs. (336 kg.)

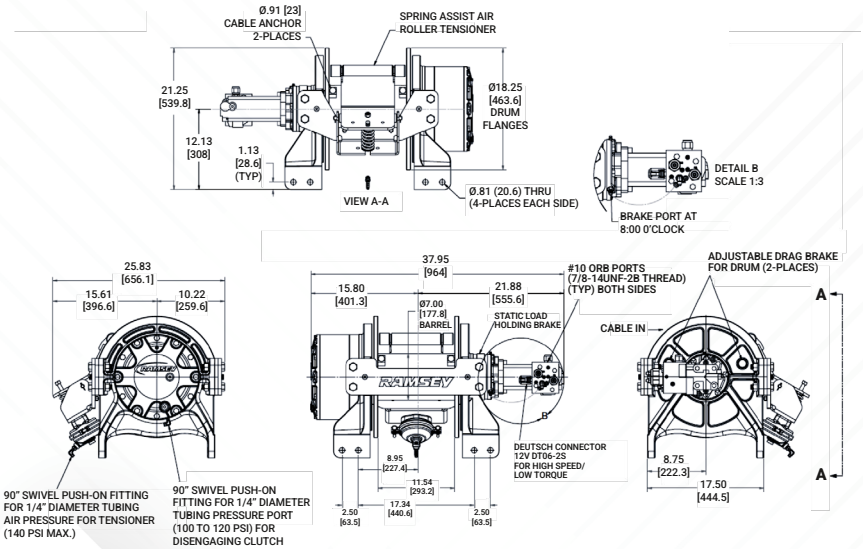
LAYER OF CABLE		1	2	3	4	5	6
RATED LINE PULL PER LAYER	lbs. kg.	50,000 22,680	41,800 18,960	36,000 16,320	31,600 14,330	28,100 12,740	25,400 11,500
CABLE CAPACITY	ft. m.	25 7	60 18	100 30	145 44	190 57	250 76
LINE SPEED (AT 25GPM)	FPM MPM	20 5.6	22 6.6	25 7.6	28 8.6	31 9.5	35 10.5

* THESE SPECIFICATIONS ARE BASED ON RECOMMENDED WIRE ROPE OF .75" DIAMETER EIPS CABLE AND 11.9 CU. IN./REV. MOTOR AT 2900 PSI WORKING PRESSURE.
* USE ONLY RAMSEY WINCH RECOMMENDED 3/4" SYNTHETIC ROPE.
* DIRECTIONAL CONTROL VALVE: 3-POSITION, 4 WAY MOTOR SPOOL.
* WINCH MEETS SAE J706 AT STATED WORKING PRESSURE.

Hercules / 50000 /

PERFORMANCE WITH 11.9/5.95 IN^3 2-SPEED HYDRAULIC MOTOR:





Ramsey Winch

WHO WE ARE

Ramsey Winch has set the standard for industrial and recovery winches trusted by fleets, defense, towing, and utility professionals worldwide.

CONTACT US

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rwcustomersupport@ramseyindustries.com

1-800-777-2760

Ramsey Industries

The Engineered Intelligence Behind

Every Lift, Pull, and Rotation