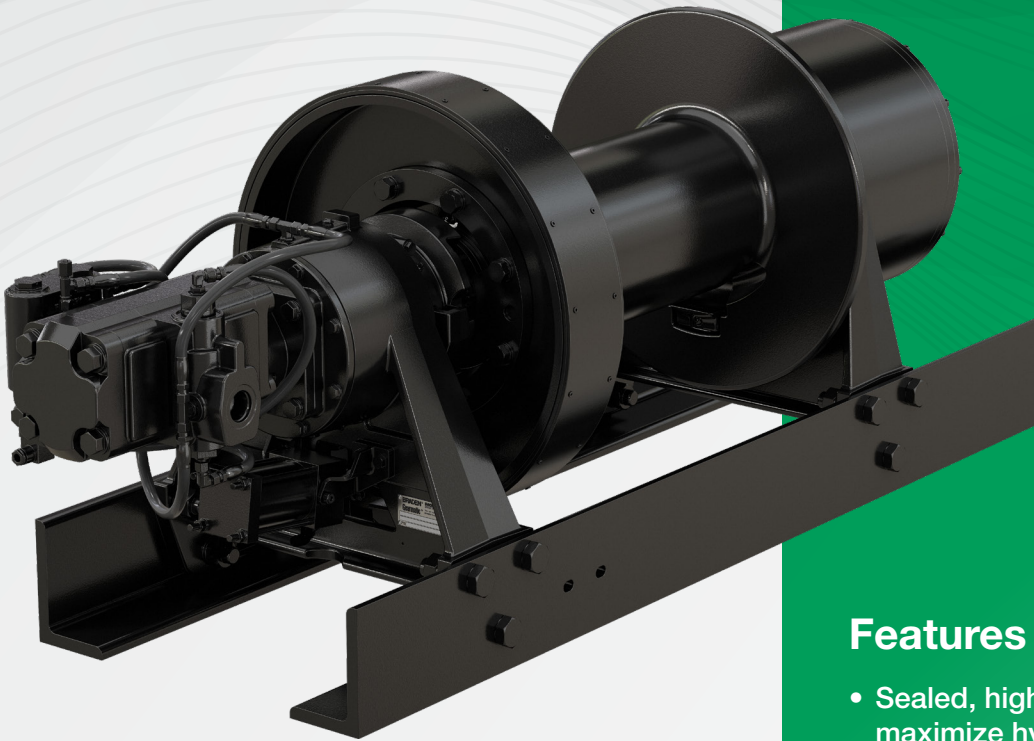


HP Series

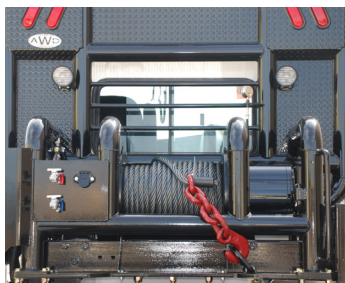
HP35A | HP50B | HP65A | HP80A | HP100B | HP125B | HP130A | HP160A



Features & Benefits

- Sealed, high-efficiency gear system to maximize hydraulic horsepower and provide continuous duty performance
- Negative draft jaw clutch for full engagement under load
- Patented BRADEN brake valve enables smooth operation and precise load control
- Heat-treated alloy steel drum shafts for extra load capacity
- Multi-disc static wet brake for smooth operation and fail-safe load handling
- Simple installation and serviceability
- SAE J706 compliant

Powerful BRADEN HP Series hydraulic planetary winches deliver best-in-class line pull and engineered performance for the toughest applications. With line pull ratings from 35,000 to 160,000 lb (15,876 to 72,757 kg), these models set the standard for heavy duty winches in the oilfield, hauling, recovery and other markets.

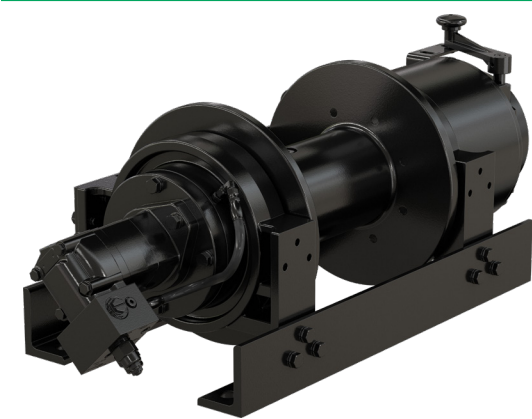


Applications

- Oilfield Recovery

HP35A Recovery Winch

35,000 lb (15,876 kg) Rated Line Pull



Gear Ratio	35:1
Approx. Unit Weight	565 lb (256 kg)
Standard Motors	110 (11.0 CID), 119 (11.9 CID), 102/051 (2-Speed)
Drum Size	6.06" (154 mm) Barrel x 14" (356 mm) Flange x 12.37" (314 mm) Between Flanges
Rope Diameters	5/8" (16 mm), 3/4" (19 mm)
D/d Ratio (Wire Rope)	5/8"=10:1, 3/4"=8:1

Specifications are representative of common configuration. Consult factory for additional options.

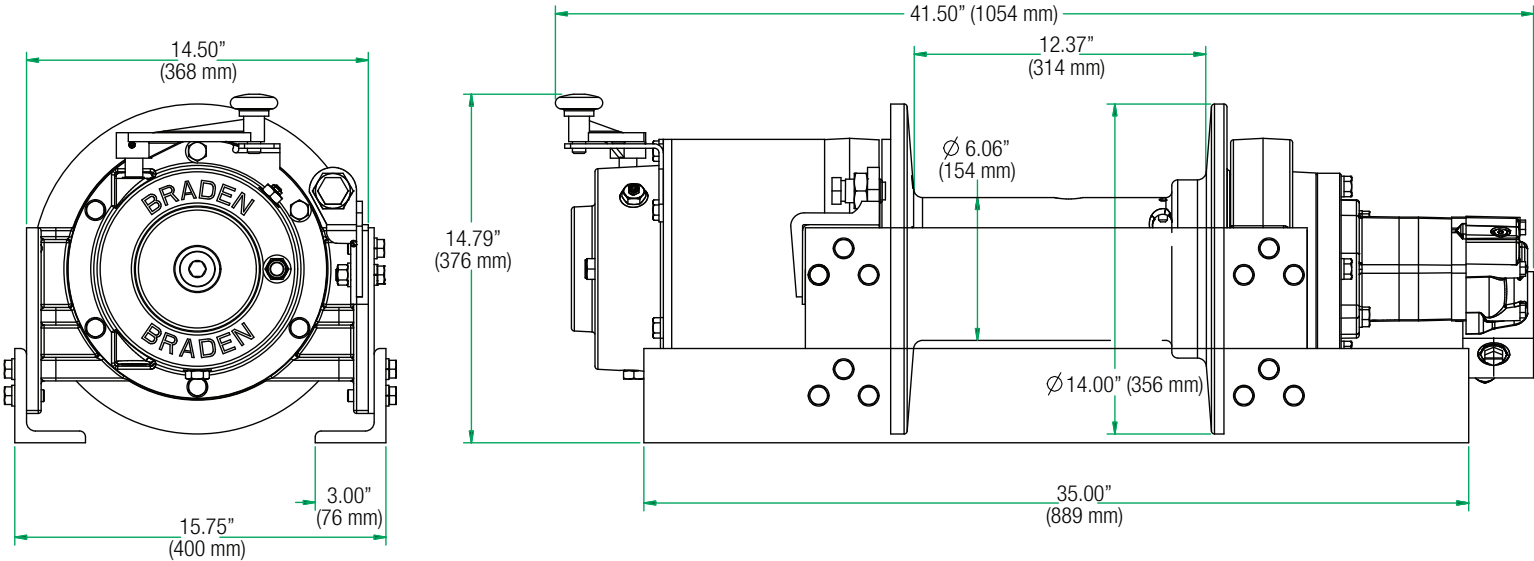
Performance (HP35A-35119-01)

	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6
Line Pull*	35,000 lb (15,876 kg)	28,680 lb (13,009 kg)	24,290 lb (11,018 kg)	21,070 lb (9,557 kg)	18,600 lb (8,437 kg)	—
Line Speed*	22 fpm (6.8 mpm)	27 fpm (8.3 mpm)	32 fpm (9.8 mpm)	37 fpm (11.3 mpm)	42 fpm (12.8 mpm)	—
Drum Capacity						
5/8" (16 mm)	31 ft (9.4 m)	68 ft (20.7 m)	111 ft (33.8 m)	160 ft (48.8 m)	214 ft (65.2 m)	274 ft (83.5 m)**
3/4" (19 mm)	26 ft (7.9 m)	58 ft (17.7 m)	96 ft (29.3 m)	140 ft (42.7 m)	190 ft (57.9 m)**	

*Based on pressure of 2,740 psi (189 bar), 25 gpm (95 lpm), 3/4" (19 mm) rope and 11.9 CID motor. Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.

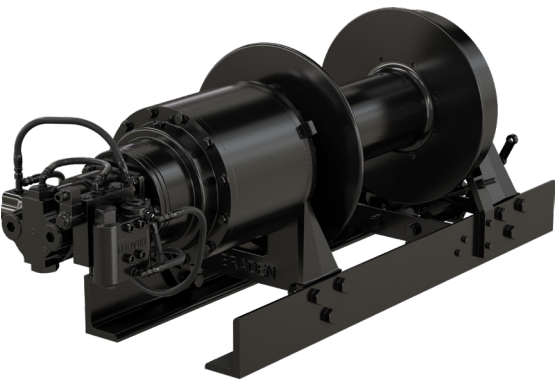
**Does not meet SAE J706

Dimensions (HP35A-35119-01 shown. Additional technical information available at www.arrowheadwinch.com.)



HP50B Recovery Winch

50,000 lb (22,680 kg) Rated Line Pull



Gear Ratio	104:1
Approx. Unit Weight	1,020 lb (463 kg)
Standard Motors	077/038 (7.7/3.8 CID) 2-Speed
Drum Size	7" (178 mm) Barrel x 18" (457 mm) Flange x 17.42" (442 mm) Between Flanges
Rope Diameter	7/8" (22 mm)
D/d Ratio (Wire Rope)	8:1

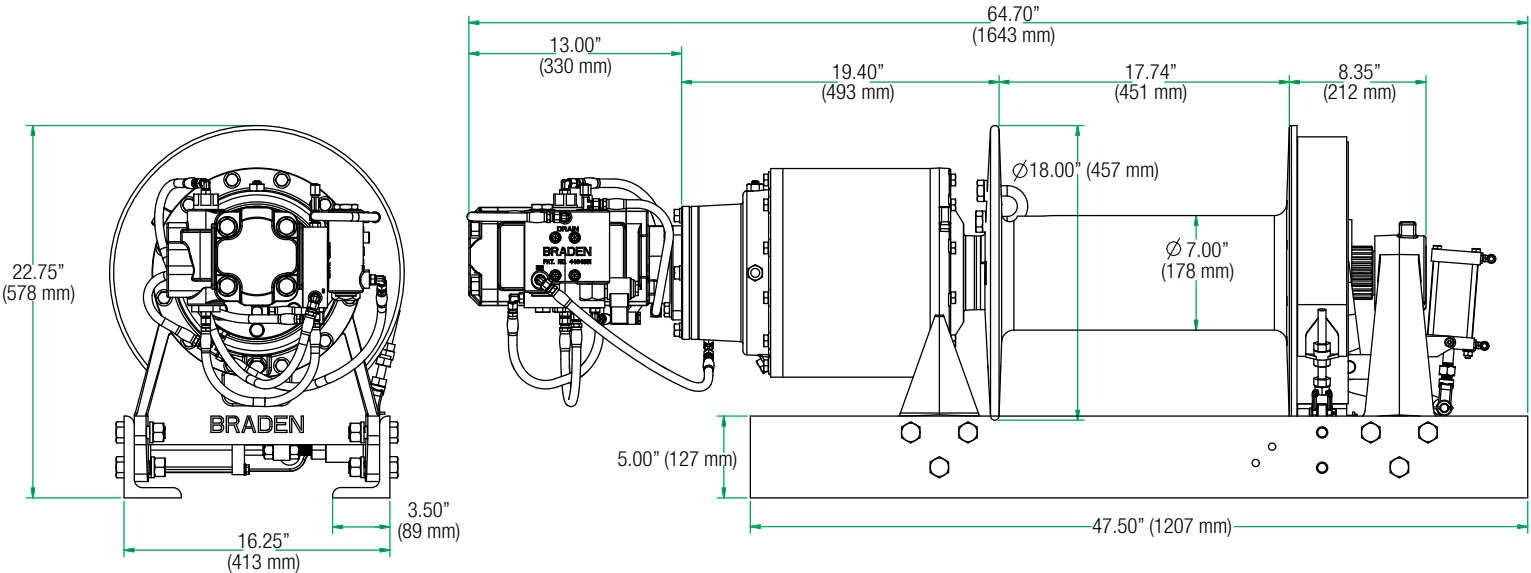
Specifications are representative of common configuration. Consult factory for additional options.

Performance (HP50B-LP-104077/038-01)

	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5
Line Pull*					
LOW	50,000 lb (22,680 kg)	40,900 lb (18,552 kg)	34,610 lb (15,699 kg)	29,990 lb (13,603 kg)	26,470 lb (12,007 kg)
HIGH	24,360 lb (11,050 kg)	19,930 lb (9,040 kg)	16,860 lb (7,648 kg)	14,610 lb (6,627 kg)	12,890 lb (5,847 kg)
Line Speed*					
LOW	31 fpm (9.4 mpm)	38 fpm (11.5 mpm)	45 fpm (13.6 mpm)	52 fpm (15.7 mpm)	58 fpm (17.8 mpm)
HIGH	63 fpm (19.1 mpm)	77 fpm (23.3 mpm)	91 fpm (27.6 mpm)	104 fpm (31.8 mpm)	118 fpm (36 mpm)
Drum Capacity					
7/8" (22 mm)	36 ft (11 m)	82 ft (25 m)	135 ft (41.1 m)	197 ft (60 m)	267 ft (81 m)

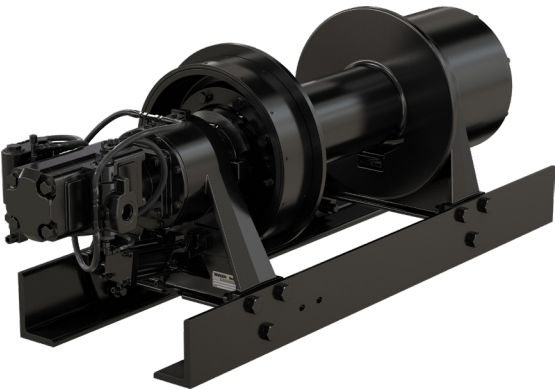
*Based on pressure of 2,240 psi (154 bar), 60 gpm (227 lpm), 7/8" (22 mm) rope and 7.7/3.8 CID motor.
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.

Dimensions (HP50B-LP-104077/038-01 shown. Additional technical information available at www.arrowheadwinch.com.)



HP65A Recovery Winch

68,500 lb (31,071 kg) Rated Line Pull



Gear Ratio	108:1
Approx. Unit Weight	1,344 lb (610 kg)
Standard Motor	089/045 (8.9/4.5 CID) 2-Speed
Drum Size	8" (203 mm) Barrel x 19" (483 mm) Flange x 20" (508 mm) Between Flanges
Rope Diameter	1" (25 mm)
D/d Ratio (Wire Rope)	8:1

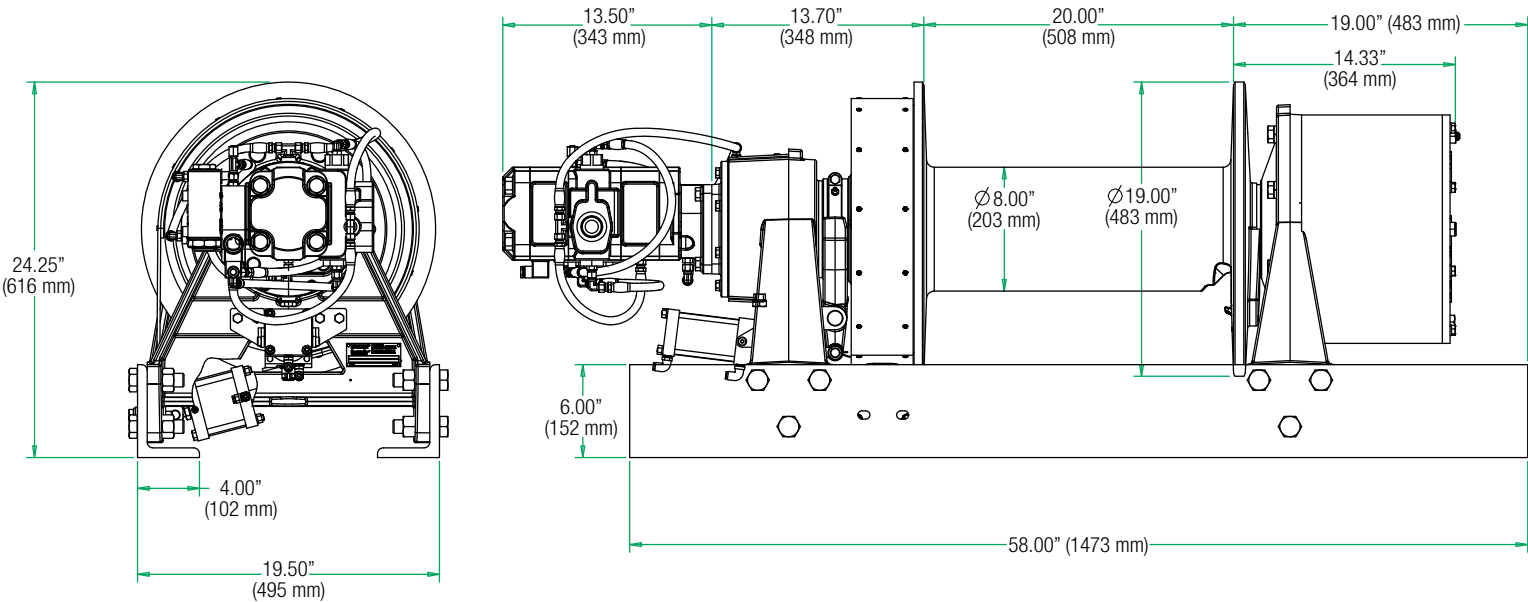
Specifications are representative of common configuration. Consult factory for additional options.

Performance (HP65A-108089/045-01)

	Layer 1	Layer 2	Layer 3	Layer 4
Line Pull*				
LOW	68,500 lb (31,071 kg)	56,040 lb (25,419 kg)	47,420 lb (21,509 kg)	41,100 lb (18,643 kg)
HIGH	31,240 lb (14,170 kg)	25,560 lb (11,594 kg)	21,630 lb (9,811 kg)	18,740 lb (8,500 kg)
Line Speed*				
LOW	29 fpm (9 mpm)	36 fpm (11 mpm)	43 fpm (13 mpm)	49 fpm (15 mpm)
HIGH	58 fpm (17.8 mpm)	71 fpm (21.7 mpm)	84 fpm (25.6 mpm)	97 fpm (29.6 mpm)
Drum Capacity				
1" (25 mm)	42 ft (12.8 m)	94 ft (28.7 m)	155 ft (47.2 m)	226 ft (68.9 m)

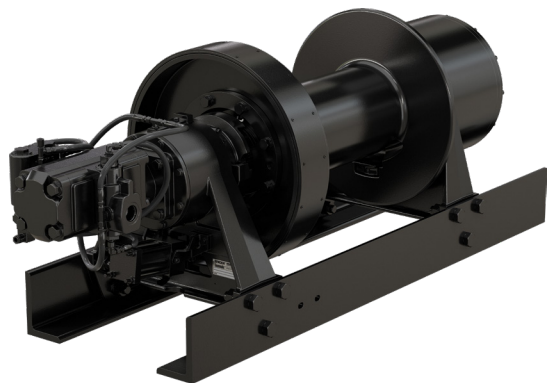
*Based on pressure of 2,800 psi (194 bar), 60 gpm (227 lpm), 1" (25 mm) rope and 8.9/4.5 CID motor.
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.

Dimensions (HP65A-108089/045-01 shown. Additional technical information available at www.arrowheadwinch.com.)



HP80A Recovery Winch

80,000 lb (36,287 kg) Rated Line Pull



Gear Ratio	123:1
Approx. Unit Weight	1,470 lb (666.8 kg)
Standard Motor	089/045 (8.9/4.5 CID) 2-Speed
Drum Size	9" (229 mm) Barrel x 20" (508 mm) Flange x 20" (508 mm) Between Flanges
Rope Diameter	1" (25 mm)
D/d Ratio (Wire Rope)	9:1

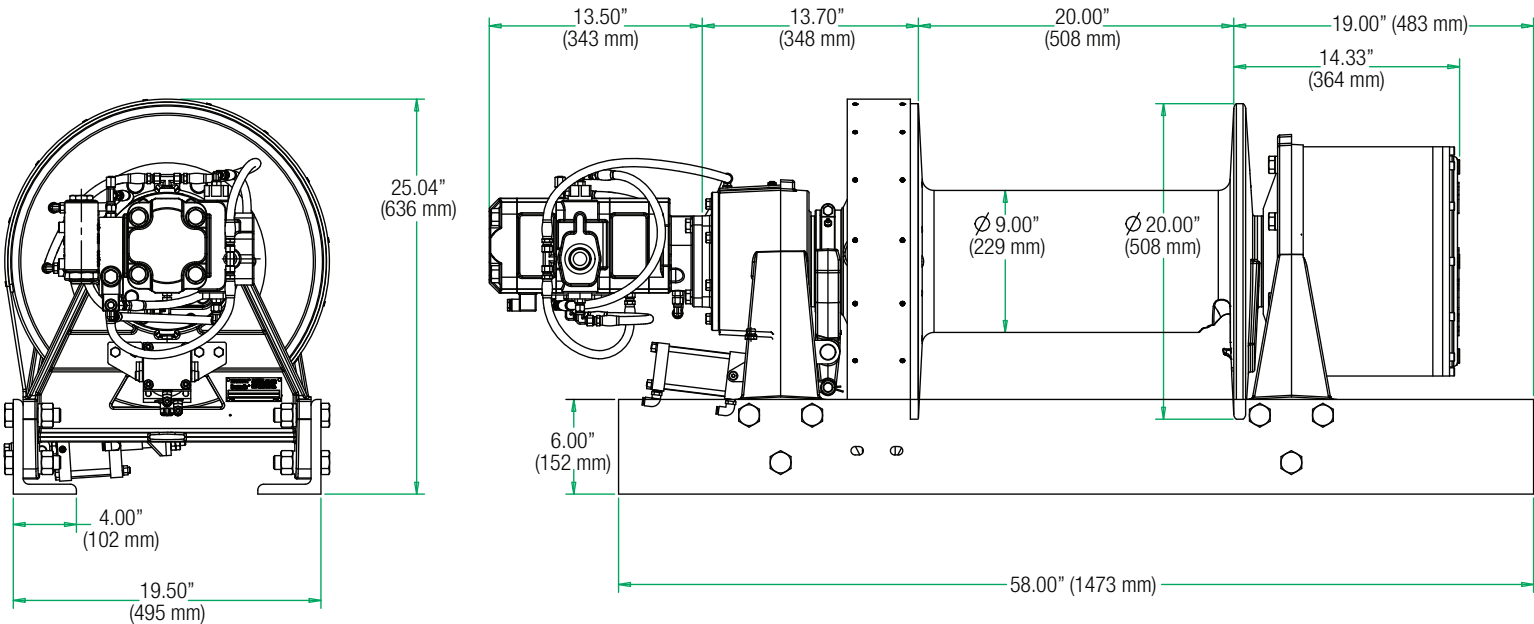
Specifications are representative of common configuration. Consult factory for additional options.

Performance (HP80A-123089/045-01)

	Layer 1	Layer 2	Layer 3	Layer 4
Line Pull*				
LOW	80,000 lb (36,287 kg)	66,660 lb (30,236 kg)	57,140 lb (25,918 kg)	50,000 lb (22,680 kg)
HIGH	33,220 lb (15,068 kg)	27,690 lb (12,560 kg)	23,730 lb (10,764 kg)	23,910 lb (10,845 kg)
Line Speed*				
LOW	29 fpm (8.2 mpm)	35 fpm (9.8 mpm)	40 fpm (11.6 mpm)	46 fpm (13.1 mpm)
HIGH	57 fpm (17.3 mpm)	68 fpm (20.8 mpm)	80 fpm (24.2 mpm)	91 fpm (27.7 mpm)
Drum Capacity				
1" (25 mm)	47 ft (14.3 m)	103 ft (31.4 m)	169 ft (51.5 m)	245 ft (74.7 m)

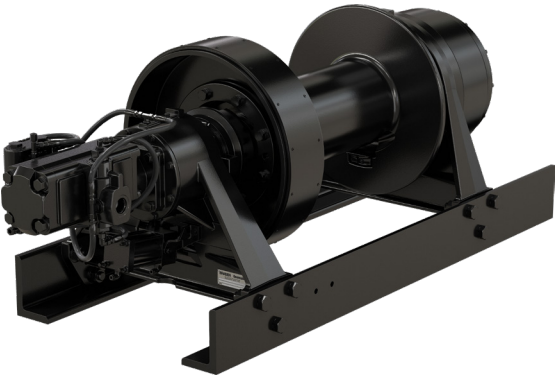
*Based on pressure of 2,900 psi (200 bar), 60 gpm (227 lpm), 1" (25 mm) rope and 8.9/4.5 CID motor.
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.

Dimensions (HP80A-123089/045-01 shown. Additional technical information available at www.arrowheadwinch.com.)



HP100B Recovery Winch

100,000 lb (45,359 kg) Rated Line Pull



Gear Ratio	123:1
Approx. Unit Weight	1,625 lb (737 kg)
Standard Motor	114/051 (11.4/5.1 CID) 2-Speed
Drum Size	9" (229 mm) Barrel x 20" (508 mm) Flange x 20" (508 mm) Between Flanges
Rope Diameter	1-1/8" (29 mm)
D/d Ratio (Wire Rope)	8:1

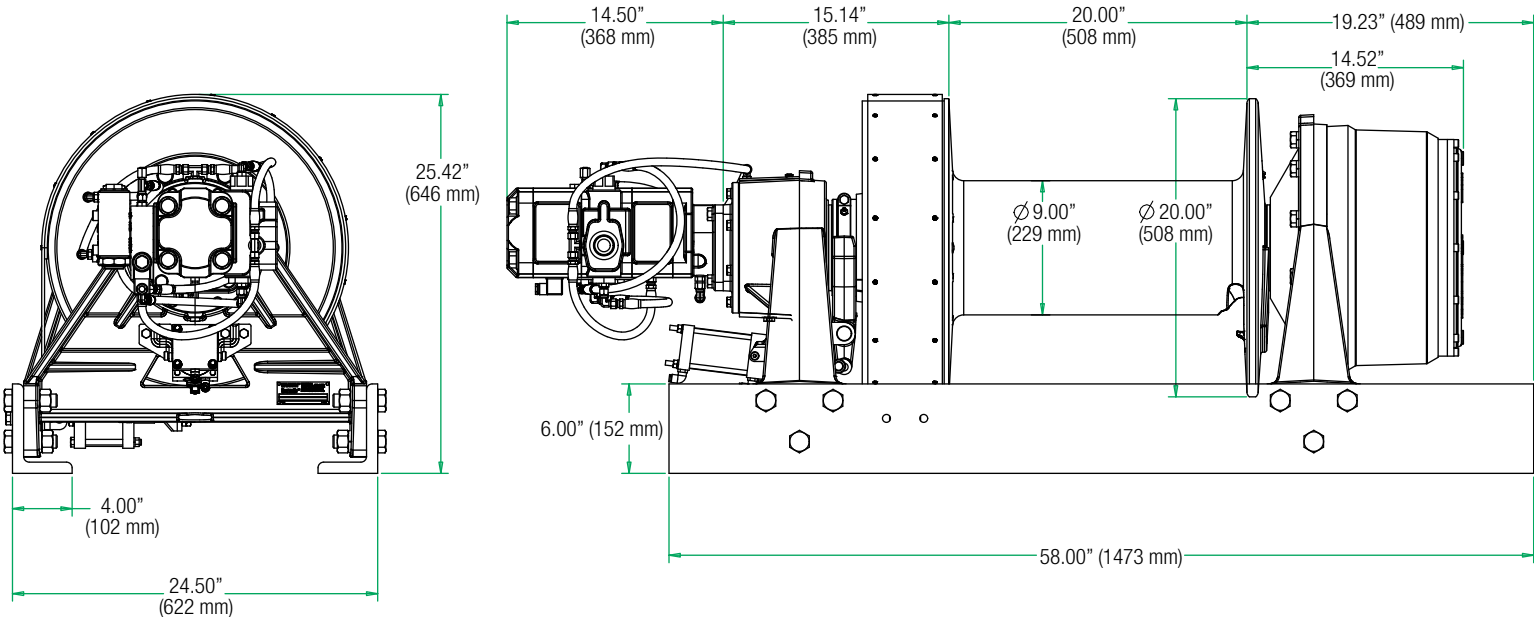
Specifications are representative of common configuration. Consult factory for additional options.

Performance (HP100B-123114/051-01)

	Layer 1	Layer 2	Layer 3	Layer 4
Line Pull*				
LOW	100,000 lb (45,359 kg)	81,820 lb (37,113 kg)	69,230 lb (31,402 kg)	60,000 lb (27,216 kg)
HIGH	34,670 lb (15,726 kg)	28,370 lb (12,868 kg)	24,000 lb (10,886 kg)	20,800 lb (9,435 kg)
Line Speed*				
LOW	23 fpm (6.9 mpm)	28 fpm (8.5 mpm)	33 fpm (10 mpm)	38 fpm (11.5 mpm)
HIGH	51 fpm (15.5 mpm)	62 fpm (18.9 mpm)	73 fpm (22.3 mpm)	85 fpm (25.8 mpm)
Drum Capacity				
1-1/8" (29 mm)	42 ft (12.8 m)	94 ft (28.7 m)	155 ft (47.2 m)	226 ft (68.9 m)

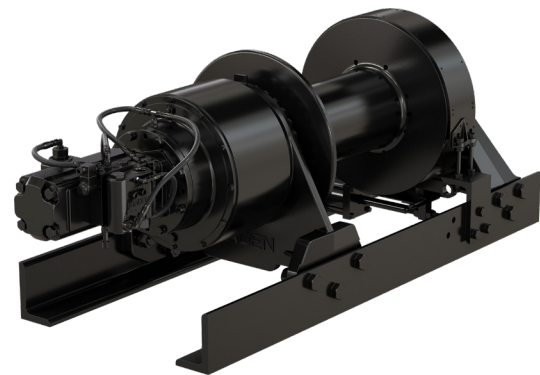
*Based on pressure of 2,900 psi (200 bar), 60 gpm (227 lpm), 1-1/8" (29 mm) rope and 11.4/5.1 CID motor.
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.

Dimensions (HP100B-123114/051-01 shown. Additional technical information available at www.arrowheadwinch.com.)



HP125B Recovery Winch

125,000 lb (56,699 kg) Rated Line Pull



Gear Ratio	157:1
Approx. Unit Weight	1,825 lb (828 kg)
Standard Motor	128/064 (12.8/6.4 CID) 2-Speed
Drum Size	9" (229 mm) Barrel x 20" (508 mm) Flange x 20" (508 mm) Between Flanges
Rope Diameter	1-1/8" (29 mm)
D/d Ratio (Wire Rope)	8:1

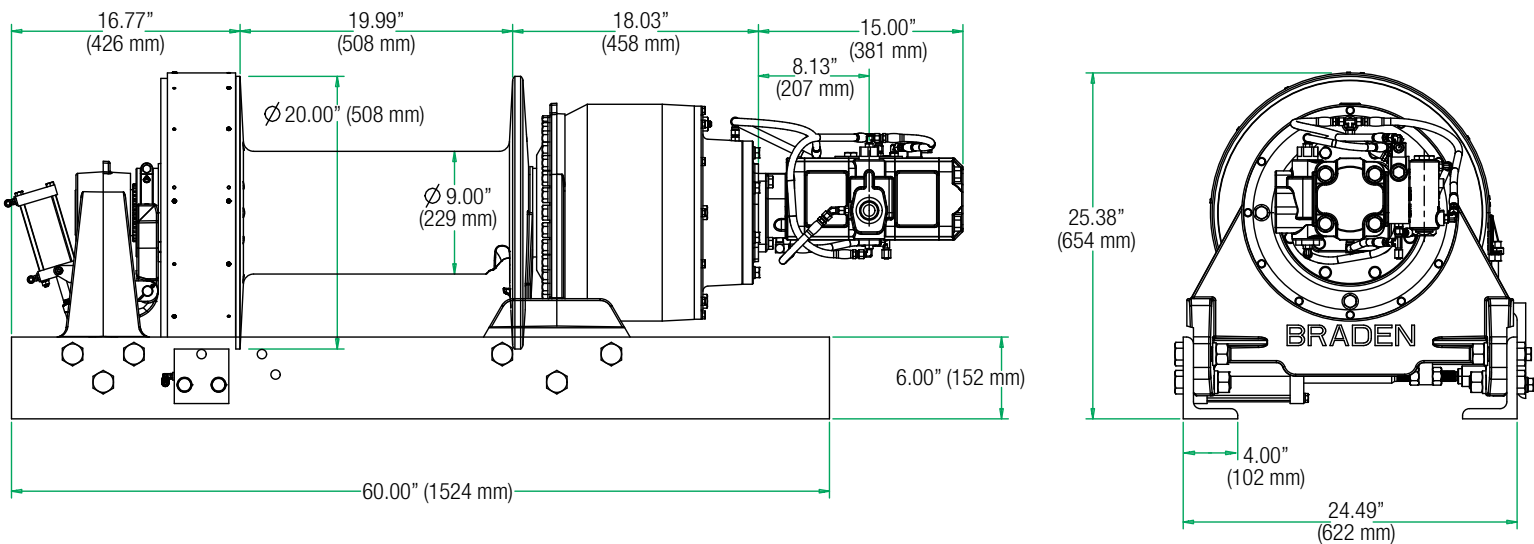
Specifications are representative of common configuration. Consult factory for additional options.

Performance (HP125B-LP-157128/064-01)

	Layer 1	Layer 2	Layer 3	Layer 4
Line Pull*				
LOW	125,000 lb (56,800 kg)	102,300 lb (46,500 kg)	86,500 lb (39,300 kg)	75,000 lb (34,100 kg)
HIGH	55,200 lb (25,100 kg)	45,150 lb (20,500 kg)	38,200 lb (17,400 kg)	33,100 lb (15,000 kg)
Line Speed*				
LOW	14 fpm (4 mpm)	17 fpm (5 mpm)	20 fpm (6 mpm)	23 fpm (7 mpm)
HIGH	31 fpm (9 mpm)	38 fpm (12 mpm)	45 fpm (14 mpm)	52 fpm (16 mpm)
Drum Capacity				
1" (25 mm)	47 ft (14.3 m)	103 ft (31.4 m)	168 ft (51.2 m)	243 ft (74.1 m)
1-1/8" (29 mm)	42 ft (12.8 m)	93 ft (28.3 m)	154 ft (46.9 m)	224 ft (68.3 m)
1 1/4" (32 mm)	38 ft (11.6 m)	86 ft (26.2 m)	142 ft (43.3 m)	209 ft (63.7 m)

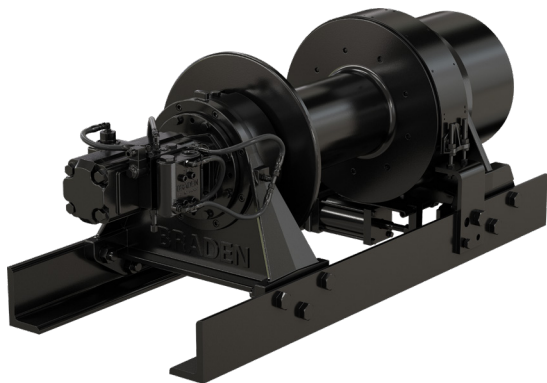
*Based on pressure of 2,600 psi (179 bar), 60 gpm (227 lpm), 1-1/8" in (29 mm) rope and 12.8/6.4 CID motor.
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.

Dimensions (HP125B-LP-157128/064-01 shown. Additional technical information available at www.arrowheadwinch.com.)



HP130A Recovery Winch

130,000 lb (58,967 kg) Rated Line Pull



Gear Ratio	157:1
Approx. Unit Weight	1,875 lb (836.87 kg)
Standard Motor	128/064 (12.8/6.4 CID) 2-Speed
Drum Size	9" (229 mm) Barrel x 20" (508 mm) Flange x 20" (508 mm) Between Flanges
Rope Diameter	1-1/8" (29 mm)
D/d Ratio (Wire Rope)	8:1

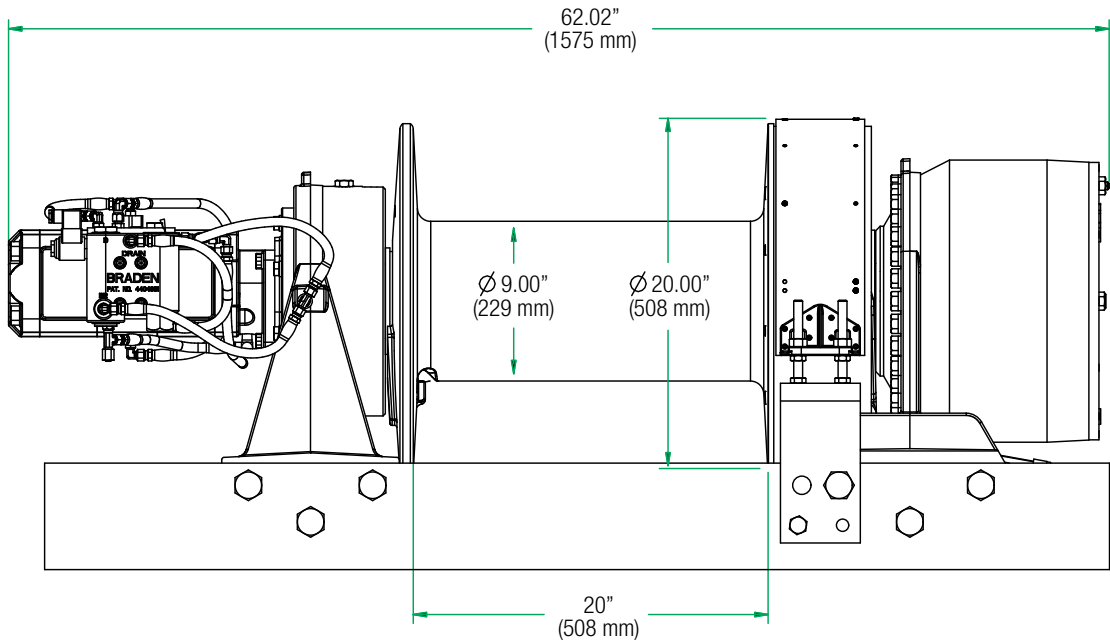
Specifications are representative of common configuration. Consult factory for additional options.

Performance (HP130A-157128/064-01)

	Layer 1	Layer 2	Layer 3	Layer 4
Line Pull*				
LOW	130,000 lb (58,967 kg)	106,360 lb (48,244 kg)	90,000 lb (40,823 kg)	78,000 lb (35,380 kg)
HIGH	58,070 lb (26,340 kg)	47,510 lb (21,550 kg)	40,200 lb (18,234 kg)	34,840 lb (15,803 kg)
Line Speed*				
LOW	23 fpm (6.9 mpm)	28 fpm (8.4 mpm)	33 fpm (9.9 mpm)	38 fpm (11.4 mpm)
HIGH	45 fpm (13.7 mpm)	55 fpm (16.8 mpm)	65 fpm (19.8 mpm)	75 fpm (22.9 mpm)
Drum Capacity				
1-1/8" (29 mm)	42 ft (12.8 m)	94 ft (28.7 m)	155 ft (47.2 m)	226 ft (68.9 m)

*Based on pressure of 2,700 psi (179 bar), 85 gpm (322 lpm), 1-1/8" (29 mm) rope and 12.8/6.4 CID motor.
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.

Dimensions (HP130A-157128/064-01 shown. Additional technical information available at www.arrowheadwinch.com.)



HP160A Recovery Winch

160,000 lb (72,575 kg) Rated Line Pull



Gear Ratio	207:1
Approx. Unit Weight	3,850 lb (1,623.8 kg)
Standard Motor	150/075 (15.0/7.5 CID) 2-Speed, 144 (14.4 CID) Single Speed
Drum Size	11" (279 mm) Barrel x 25" (635 mm) Flange x 24.45" (621 mm) Between Flanges
Rope Diameter	1-1/4" (32 mm)
D/d Ratio (Wire Rope)	9:1

Specifications are representative of common configuration. Consult factory for additional options.

Performance (HP160A-207R150/075-01)

	Layer 1	Layer 2	Layer 3	Layer 4
Line Pull*				
LOW	160,000 lb (72,575 kg)	132,880 lb (60,273 kg)	113,620 lb (51,537 kg)	99,240 lb (45,014 kg)
HIGH	80,000 lb (36,287 kg)	66,440 lb (30,136 kg)	56,810 lb (25,768 kg)	49,620 lb (22,507 kg)
Line Speed*				
LOW	14 fpm (4.3 mpm)	17 fpm (5.1 mpm)	20 fpm (6 mpm)	23 fpm (6.9 mpm)
HIGH	28 fpm (8.5 mpm)	34 fpm (10.3 mpm)	39 fpm (12 mpm)	45 fpm (13.7 mpm)
Drum Capacity				
1-1/4" (32 mm)	56 ft (17.1 m)	124 ft (37.8 m)	203 ft (61.9 m)	294 ft (89.6 m)

*Based on pressure of 2,500 psi (172 bar), 70 gpm (265 lpm), 1-1/4" (32 mm) rope and 15.0/7.5 CID motor.
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.

Dimensions (HP160A-207R150/075-01 shown. Additional technical information available at www.arrowheadwinch.com.)

