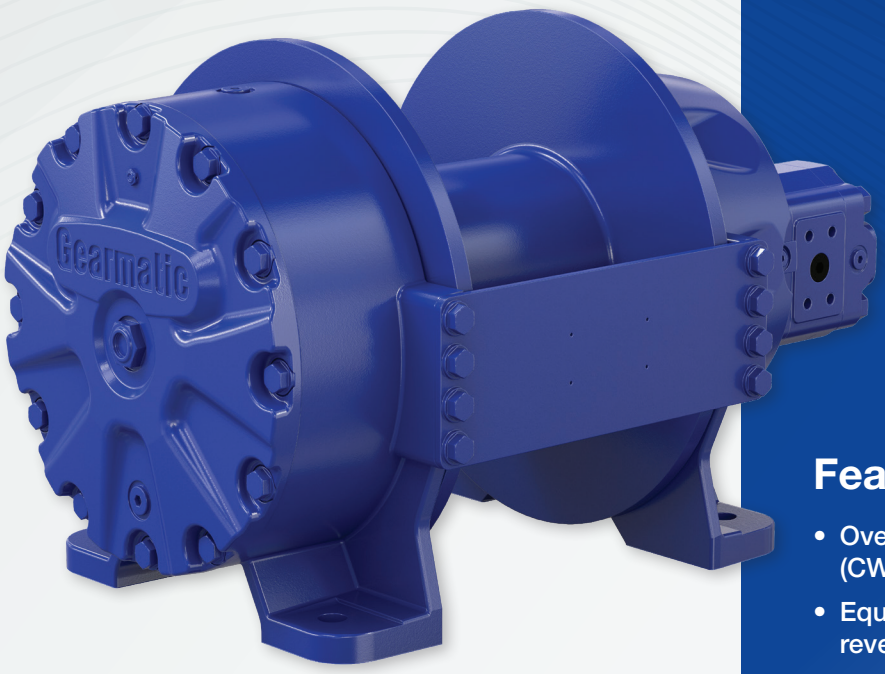
GM Series

GM12 | GM18 | GM27 | GM35 | GM50

Gearmatic®



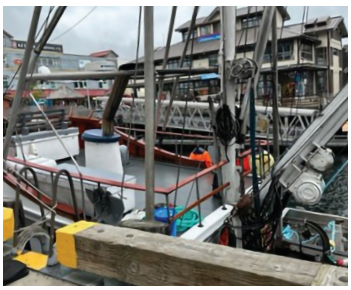
Features & Benefits

- Overwound (CCW) and underwound (CW) drum configurations
- Equal speed and high speed reverse configurations
- Sintered bronze brake discs for smooth operation and better heat dissipation even after long term storage
- Crowned planetary gears provide longer life and reduced noise
- Stainless steel drum seal lands for superior corrosion resistance
- Sight glass to easily check oil level
- Indexable breather vent for 360° mounting options
- Engineered for fast, simple maintenance and repair
- Installs using standard mounting pattern

Designed to carry the Gearmatic legacy forward, the GM Series provides superior performance even under the harshest marine conditions and demanding drilling applications. Crafted with the highest quality materials and attention to detail, the GM Series meets all customer requirements for functionality and serviceability.







Applications

- Fishing
- Dredging
- Drilling

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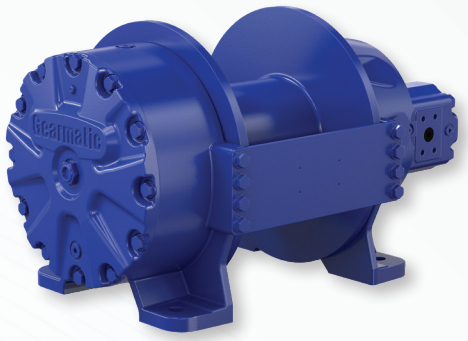
MADE IN THE USA

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GM12A Planetary Hoist

12,000 lb (5,443 kg) Rated Line Pull

Gearmatic®



Gear Ratio	41:1
Unit Weights	524 to 545 lb (238 to 247 kg)
Motor	5.1 CID
Drum Sizes	01 — 7.63" (194 mm) Barrel x 14.63" (372 mm) Flange x 10" (254 mm) Between Flanges 05 — 7.63" (194 mm) Barrel x 16.63" (422 mm) Flange x 10" (254 mm) Between Flanges
Rope Diameters	3/8" (10 mm), 7/16" (11 mm), 1/2" (13 mm), 9/16" (14 mm), 5/8" (16 mm)
Rope Storage	01 — 225 ft (68.6 m) for 5/8" (16 mm) rope 05 — 352 ft (107.3 m) for 5/8" (16 mm) rope

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

Performance

GM12A-41051-01 EQUAL SPEED REVERSE

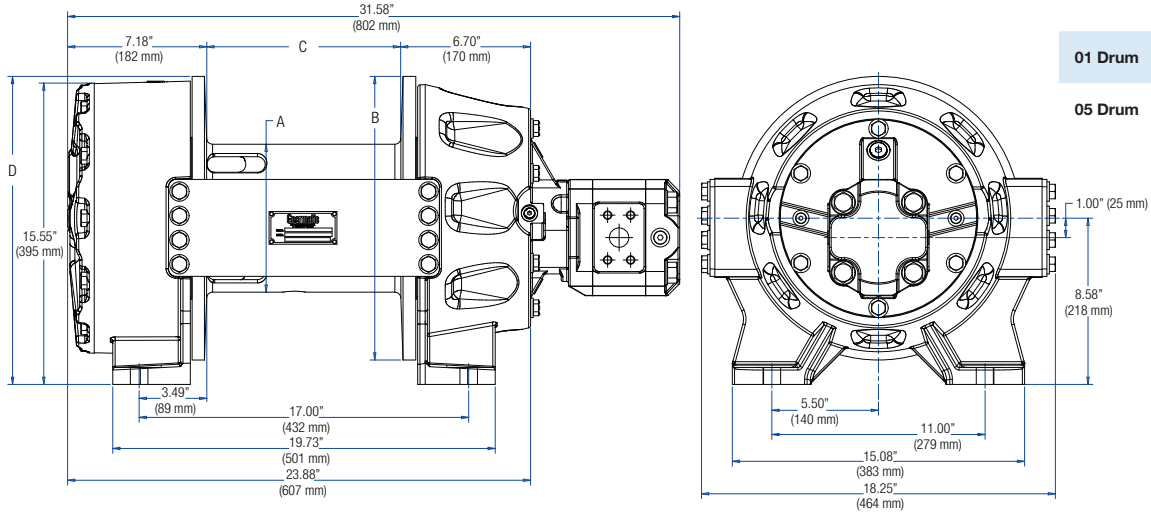
	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5
Line Pull*	12,000 lb (5,443 kg)	10,420 lb (4,726 kg)	9,200 lb (4,173 kg)	8,250 lb (3,742 kg)	7,470 lb (3,388 kg)
Line Speed*	108 fpm (32.8 mpm)	124 fpm (37.8 mpm)	140 fpm (42.7 mpm)	157 fpm (47.7 mpm)	173 fpm (52.7 mpm)
Drum Capacity 5/8" (16 mm)	34 ft (10.4 m)	74 ft (22.6 m)	119 ft (36.3 m)	169 ft (51.5 m)	225 ft (68.6 m)

GM12A-HSR-41/9051-05 HIGH SPEED REVERSE**

	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	Layer 7
Line Pull*	12,000 lb (5,443 kg)	10,420 lb (4,726 kg)	9,200 lb (4,173 kg)	8,250 lb (3,742 kg)	7,470 lb (3,388 kg)	6,800 lb (3,084 kg)	6,260 lb (2,840 kg)
Line Speed*	108 fpm (32.8 mpm)	124 fpm (37.8 mpm)	140 fpm (42.7 mpm)	157 fpm (47.7 mpm)	173 fpm (52.7 mpm)	191 fpm (58.1 mpm)	207 fpm (63.2 mpm)
Drum Capacity 5/8" (16 mm)	34 ft (10.4 m)	74 ft (22.6 m)	119 ft (36.3 m)	169 ft (51.5 m)	225 ft (68.6 m)	286 ft (87.2 m)	352 ft (107.3 m)

**Based on pressure of 2,200 psi (152 bar), 50 gpm (189 lpm), 5/8" (16 mm) rope and 5.1 CID motor.*
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.
*****High Speed Reverse (HSR) reel out line speed is 4.4 times faster than reel in speed. The high-speed reel-out function should only be used within the limits of the unit's lifting capacity when controlling the load.***

Dimensions (GM12A-41051-01 shown. Additional technical information available at www.arrowheadwinch.com.)



	A	B	C	D
01 Drum	7.63" (194 mm)	14.63" (372 mm)	10" (254 mm)	15.89" (404 mm)
05 Drum	7.63" (194 mm)	16.63" (422 mm)	10" (254 mm)	16.89" (429 mm)

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GM18A Planetary Hoist

18,000 lb (8,165 kg) Rated Line Pull



Gear Ratio	38:1
Unit Weights	765 to 1125 lb (347 to 510 kg)
Motor	8.0 CID
Drum Sizes	01 — 8.5” (216 mm) Barrel x 15.5” (394 mm) Flange x 10.0" (254 mm) Between Flanges 03 — 8.5” (216 mm) Barrel x 20.0” (508 mm) Flange x 16.0” (406 mm) Between Flanges 04 — 8.5” (216 mm) Barrel x 28.0” (711 mm) Flange x 21.3” (541 mm) Between Flanges
Rope Diameters	3/8” (10 mm), 7/16” (11 mm), 1/2” (13 mm), 9/16” (14 mm), 5/8” (16 mm), 3/4” (19 mm), 7/8” (22 mm)
Rope Storage	01 — 170 ft (52 m) for 3/4” (19 mm) rope 03 — 569 ft (173 m) for 3/4” (19 mm) rope 04 — 1,765 ft (538 m) for 3/4” (19 mm) rope

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

Performance

GM18A-38080-01 EQUAL SPEED REVERSE

	Layer 1	Layer 2	Layer 3	Layer 4
Line Pull*	18,000 lb (8,165 kg)	15,480 lb (7,022 kg)	13,590 lb (6,164 kg)	12,100 lb (5,488 kg)
Line Speed*	127 fpm (39 mpm)	148 fpm (45 mpm)	168 fpm (51 mpm)	189 fpm (58 mpm)
Drum Capacity 3/4” (19 mm)	34 ft (10 m)	74 ft (23 m)	119 ft (23 m)	170 ft (52 m)

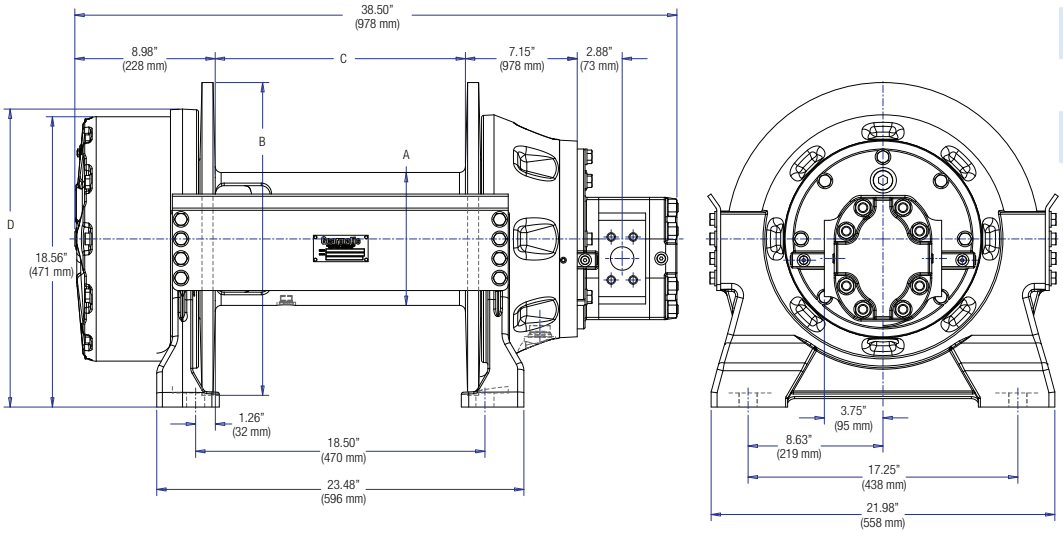
GM18A-HSR-38/8080-01 HIGH SPEED REVERSE**

	Layer 1	Layer 2	Layer 3	Layer 4
Line Pull*	18,000 lb (8,165 kg)	15,480 lb (7,022 kg)	13,590 lb (6,164 kg)	12,100 lb (5,488 kg)
Line Speed*	595 fpm (181 mpm)	691 fpm (211 mpm)	788 fpm (240 mpm)	884 fpm (269 mpm)
Drum Capacity 3/4” (19 mm)	34 ft (10.4 m)	74 ft (22.6 m)	119 ft (36.3 m)	169 ft (51.5 m)

**Based on pressure of 2,300 psi (159 bar), 80 gpm (303 lpm), 3/4” (19 mm) rope and 8.0 CID motor. Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.*

*****High Speed Reverse (HSR) reel out line speed is 4.7 times faster than reel in speed. The high-speed reel-out function should only be used within the limits of the unit’s lifting capacity when controlling the load.***

Dimensions (GM18A-38080-01 shown. Additional technical information available at www.arrowheadwinch.com.)



	A	B	C	D
01 Drum	8.50" (216 mm)	15.50" (394 mm)	10.00" (254 mm)	18.43” (468 mm)
03 Drum	8.50" (216 mm)	20.00" (508 mm)	16.00" (406 mm)	19.13” (486 mm)
04 Drum	8.50” (216 mm)	28.00” (711 mm)	21.30” (541 mm)	23.04” (585 mm)

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GM27A Planetary Hoist

27,000 lb (12,247 kg) Rated Line Pull

Gearmatic®



Gear Ratio	40:1
Unit Weights	1,327 to 2,009 lb (602 to 911 kg)
Motor	12 CID
Drum Sizes	02 — 10” (254 mm) Barrel x 24” (607 mm) Flange x 11” (280 mm) Between Flanges 05 — 10” (254 mm) Barrel x 34” (864 mm) Flange x 29” (737 mm) Between Flanges
Rope Diameters	3/4” (19 mm), 7/8” (22 mm)
Rope Storage	02 — 334 ft (102 m) for 7/8” (22 mm) rope 05 — 2,169 ft (661 m) for 7/8” (22 mm) rope

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

Performance

GM27A-40120-02 EQUAL SPEED REVERSE

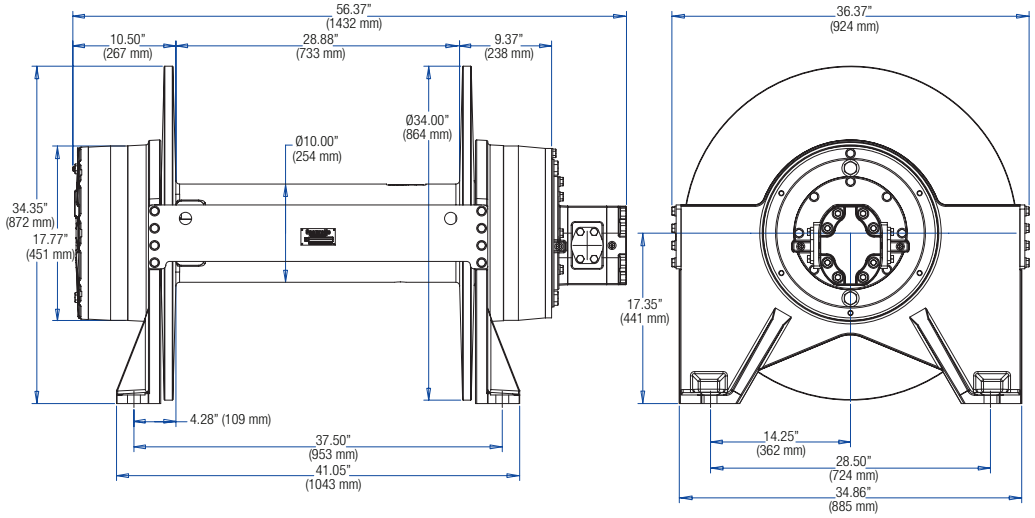
	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	Layer 7
Line Pull*	27,000 lb (12,247 kg)	23,250 lb (10,546 kg)	20,420 lb (9,262 kg)	18,200 lb (8,255 kg)	16,420 lb (7,448 kg)	14,960 lb (6,786 kg)	13,730 lb (6,228 kg)
Line Speed*	143 fpm (44 mpm)	165 fpm (51 mpm)	189 fpm (58 mpm)	212 fpm (65 mpm)	235 fpm (72 mpm)	258 fpm (79 mpm)	280 fpm (86 mpm)
Drum Capacity 7/8” (22 mm)	32 ft (10 m)	69 ft (21 m)	112 ft (34 m)	159 ft (49 m)	212 ft (65 m)	271 ft (83 m)	334 ft (102 m)

GM27A-HSR-40/9120-05 HIGH SPEED REVERSE**

	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	Layer 7	Layer 8	Layer 9	Layer 10	Layer 11	Layer 12	Layer 13
Line Pull*	27,000 lb (12,247 kg)	23,250 lb (10,546 kg)	20,420 lb (9,262 kg)	18,200 lb (8,255 kg)	16,420 lb (7,448 kg)	14,960 lb (6,786 kg)	13,730 lb (6,228 kg)	12,690 lb (5,756 kg)	11,800 lb (5,352 kg)	11,020 lb (5,000 kg)	10,340 lb (4,690 kg)	9,740 lb (4,418 kg)	9,210 lb (4,178 kg)
Line Speed*	143 fpm (44 mpm)	165 fpm (51 mpm)	189 fpm (58 mpm)	212 fpm (65 mpm)	235 fpm (72 mpm)	258 fpm (79 mpm)	280 fpm (86 mpm)	304 fpm (93 mpm)	327 fpm (100 mpm)	350 fpm (107 mpm)	373 fpm (114 mpm)	396 fpm (121 mpm)	420 fpm (128 mpm)
Drum Capacity 7/8” (22 mm)	84 ft (26 m)	183 ft (56 m)	295 ft (90 m)	421 ft (128 m)	561 ft (171 m)	714 ft (218 m)	881 ft (269 m)	1,062 ft (324 m)	1,256 ft (383 m)	1,464 ft (446 m)	1,685 ft (514 m)	1,921 ft (586 m)	2,169 ft (661 m)

**Based on pressure of 2,500 psi (173 bar), 115 gpm (433 lpm), 7/8” (22 mm) rope and 12 CID motor.*
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.
*****High Speed Reverse (HSR) reel out line speed is 4.4 times faster than reel in speed. The high-speed reel-out function should only be used within the limits of the unit’s lifting capacity when controlling the load.***

Dimensions (GM27A-HSR-40/9120-05 shown. Additional technical information available at www.arrowheadwinch.com.)



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GM35A Planetary Hoist

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



Gear Ratio	54:1
Unit Weights	1,429 to 2,118 lb (648 to 961 kg)
Motor	12 CID
Drum Sizes	02 — 10” (254 mm) Barrel x 24” (607 mm) Flange x 11” (280 mm) Between Flanges 05 — 10” (254 mm) Barrel x 34” (864 mm) Flange x 29” (737 mm) Between Flanges
Rope Diameters	3/4” (19 mm), 7/8” (22 mm)
Rope Storage	02 — 334 ft (102 m) for 7/8” (22 mm) rope 05 — 2,169 ft (661 m) for 7/8” (22 mm) rope

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

Performance

GM35A-54120-02 EQUAL SPEED REVERSE

	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	Layer 7
Line Pull*	35,000 lb (15,876 kg)	30,140 lb (13,761 kg)	26,740 lb (12,007 kg)	23,600 lb (10,705 kg)	21,290 lb (9,657 kg)	19,390 lb (8,795 kg)	17,800 lb (8,074 kg)
Line Speed*	105 fpm (32 mpm)	122 fpm (37 mpm)	139 fpm (42 mpm)	156 fpm (48 mpm)	173 fpm (53 mpm)	190 fpm (58 mpm)	207 fpm (63 mpm)
Drum Capacity 7/8” (22 mm)	32 ft (10 m)	69 ft (21 m)	112 ft (34 m)	159 ft (49 m)	212 ft (65 m)	271 ft (83 m)	334 ft (102 m)

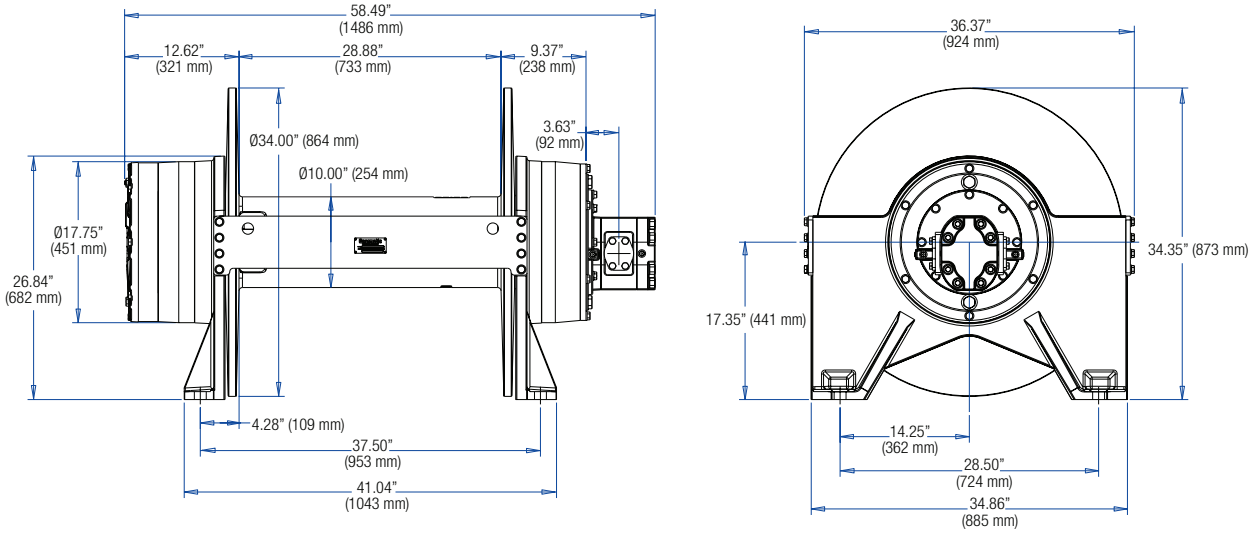
GM35A-HSR-54/12120-05 HIGH SPEED REVERSE**

	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	Layer 7	Layer 8	Layer 9	Layer 10	Layer 11	Layer 12	Layer 13
Line Pull*	35,000 lb (15,786 kg)	30,140 lb (13,671 kg)	26,470 lb (12,007 kg)	23,600 lb (10,750 kg)	21,290 lb (9,657 kg)	19,390 lb (8,795 kg)	17,800 lb (8,074 kg)	16,450 lb (7,462 kg)	15,300 lb (6,940 kg)	14,290 lb (6,482 kg)	13,410 lb (6,083 kg)	12,630 lb (5,729 kg)	11,940 lb (5,416 kg)
Line Speed*	105 fpm (32 mpm)	122 fpm (37 mpm)	139 fpm (42 mpm)	156 fpm (48 mpm)	173 fpm (53 mpm)	190 fpm (58 mpm)	207 fpm (63 mpm)	223 fpm (68 mpm)	240 fpm (73 mpm)	257 fpm (78 mpm)	273 fpm (83 mpm)	290 fpm (89 mpm)	307 fpm (94 mpm)
Drum Capacity 7/8” (22 mm)	84 ft (26 m)	183 ft (56 m)	295 ft (90 m)	421 ft (128 m)	561 ft (171 m)	714 ft (218 m)	881 ft (269 m)	1,062 ft (324 m)	1,256 ft (383 m)	1,464 ft (446 m)	1,685 ft (514 m)	1,921 ft (586 m)	2,169 ft (661 m)

**Based on pressure of 2,500 psi (173 bar), 115 gpm (435 lpm), 7/8” (22 mm) rope and 12 CID motor. Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.*

****High Speed Reverse (HSR) reel out line speed is 4.4 times faster than reel in speed. The high-speed reel-out function should only be used within the limits of the unit’s lifting capacity when controlling the load.***

Dimensions (GM35A-HSR-54/12120-05 shown. Additional technical information available at www.arrowheadwinch.com.)



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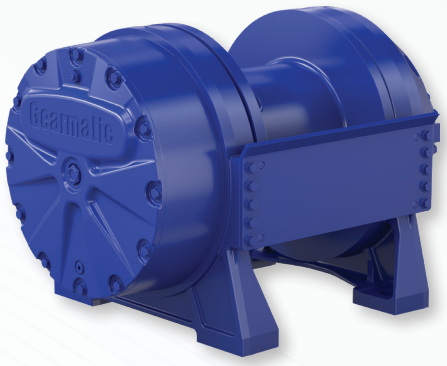
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MADE IN THE USA

GM50A Planetary Hoist

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



Gear Ratio	108:1
Unit Weight	2,160 to 2,580 lb (980 to 1170 kg)
Motor	12.03 CID
Drum Sizes	01 — 14” (356 mm) Barrel x 23.75” (603 mm) Flange x 14” (356 mm) Between Flanges 02 — 18” (457 mm) Barrel x 30” (762 mm) Flange x 22” (559 mm) Between Flanges 32 — 14” (356 mm) Barrel x 30” (762 mm) Flange x 22” (559 mm) Between Flanges
Rope Diameters	9/16” (14 mm), 5/8” (16 mm), 3/4” (19 mm), 7/8” (22 mm), 1” (25 mm), 1 1/8” (29 mm), 1 1/4” (32 mm)
Rope Storage	01 — 177 ft (54 m) for 1 1/4” (22 mm) rope 02 — 440 ft (134 m) for 1 1/4” (22 mm) rope 32 — 594 ft (181 m) for 1 1/4” (22 mm) rope

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

Performance

GM50A-108120-01 EQUAL SPEED REVERSE

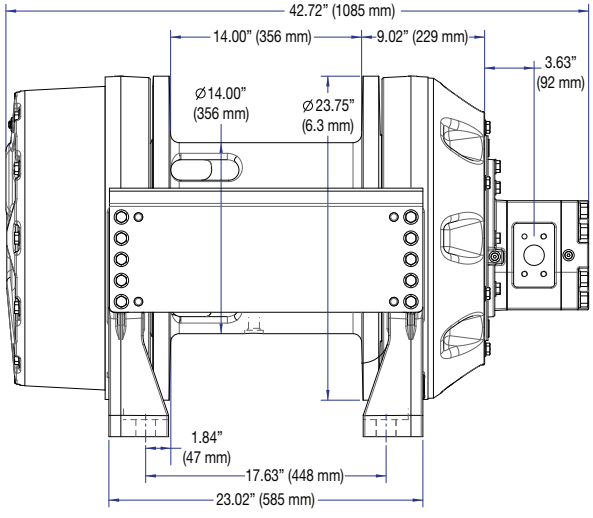
	Layer 1	Layer 2	Layer 3
Line Pull*	50,000 lb (22,680 kg)	42,950 lb (19,482 kg)	37,650 lb (17,078 kg)
Line Speed*	69 fpm (21 mpm)	80 fpm (24 mpm)	91 fpm (28 mpm)
Drum Capacity 1 1/4” (32 mm)	50 ft (15 m)	110 ft (24 m)	177 ft (54 m)

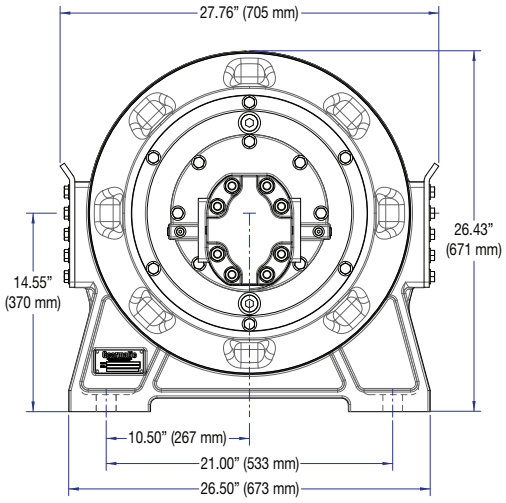
GM50A-HSR-108/23120-32 HIGH SPEED REVERSE**

	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6
Line Pull*	50,000 lb (22,680 kg)	42,950 lb (19,482 kg)	37,650 lb (17,078 kg)	33,510 lb (15,200 kg)	30,190 lb (13,694 kg)	27,470 lb (12,460 kg)
Line Speed*	324 fpm (99 mpm)	376 fpm (115 mpm)	430 fpm (131 mpm)	480 fpm (146 mpm)	536 fpm (163 mpm)	588 fpm (179 mpm)
Drum Capacity 1 1/4” (32 mm)	70 ft (21 m)	152 ft (46 m)	245 ft (75 m)	350 ft (107 m)	466 ft (142 m)	594 ft (181 m)

**Based on pressure of 2,500 psi (173 bar), 115 gpm (436 lpm), 1 1/4” (32 mm) rope and 12.03 CID motor.*
Actual performance will vary dependent on hydraulic system, motor, drum and cable sizes.
*****High Speed Reverse (HSR) reel out line speed is 4.7 times faster than reel in speed. The high-speed reel-out function should only be used within the limits of the unit’s lifting capacity when controlling the load.***

Dimensions (GM50A-108120-01 shown. Additional technical information available at www.arrowheadwinch.com.)





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