



SI SERIES — INDUSTRIAL WINCHES

8K Hydraulic SAE J706 / EN 14492-1

Part Number – S100428

Motor Type	120 cc Hydraulic Gear Motor	
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	SAE J706	EN 14492-1
Pulling Force by Layer:		
Layer 1 (Max)	8000 lb	35.5 kN
Layer 2	6715 lb	29.8 kN
Layer 3	5785 lb	25.4 kN
Layer 4	5882 lb	22.2 kN
Layer 5	4531 lb	N/A

Gear Train	2-Stage Planetary
Gear Ratio	16:1
Clutch	Multi-Position Manual Pull-and-Turn
Brake	Spring-Applied, Hydraulic Release Multi-Disc
Fairlead	Heavy-Duty Roller Fairlead Included
Optional Air Clutch	Part Number S100512
Optional Rope Tensioner	Part Number S100500

DIMENSIONAL DATA

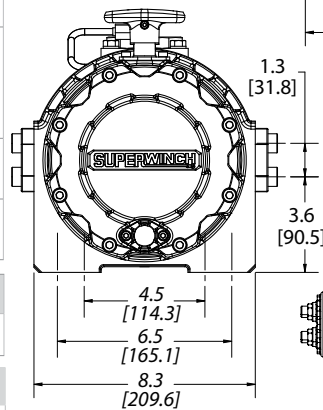
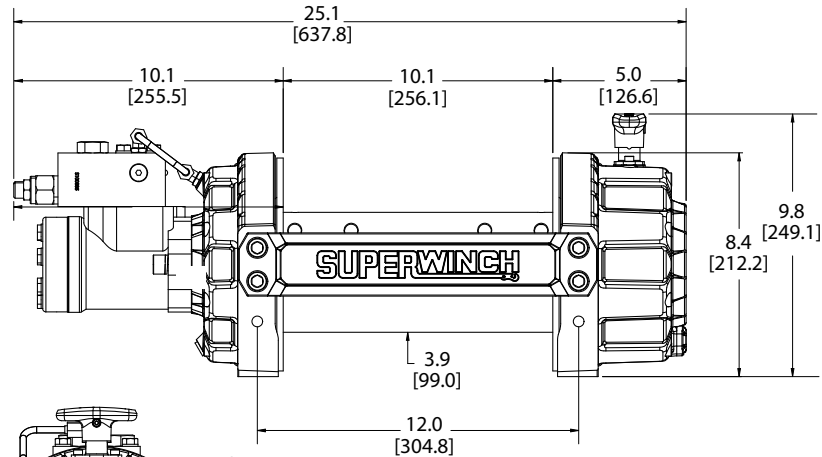
Drum Barrel Diameter	3.9"/99 mm
Rope Attachment	Quad-drilled (Left-hand or Right-hand winding drum) Provides flexibility to mount winch in the best orientation
Recommended Rope	3/8" (SAE J706) 10 mm (EN 14492-1)
Minimum Rope Breaking Strength	15100 lbs (SAE J706) 71.2 kN (EN 14492-1)

Drum Capacity	SAE J706	EN 14492-1
	170' (3/8") Rope	37.2 m (10 mm) Rope

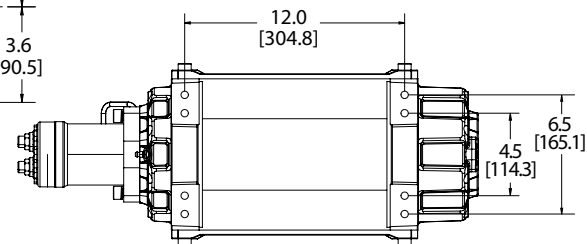
HYDRAULIC SYSTEM SPECIFICATIONS

Maximum Input Pressure	2200 psi/150bar
Maximum Input Flow	15 gpm/57 lpm
Lubrication	Synthetic Grease (see manual)
Load Block	Superblock Bi-Directional Load Control Valves
Standards Compliance	SAE J706 / EN 14492-1. CE Directives--Machinery 2006/42/EC; Noise Emission 2000/14/EC; Electromagnetic Compatibility 2014/30/EC

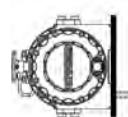
SI-Series Small-Frame Industrial Winches are provided without wire rope and hooks. Ask your Superwinch sales representative about optional equipment available for your application.



BOLT PATTERN



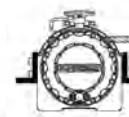
Feet Down:
Underwound



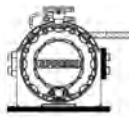
Feet Forward:
Underwound



Feet Forward:
Overwound



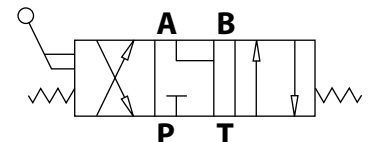
Between Rails:
Overwound



Feet Down with
Front Brace:
Overwound

REQUIRED: Control Valve Type

3-Position, 4-Way, Open-Center,
Spring Return (Motor Spool)



PERFORMANCE DATA

No-Load Line Speed by Layer @ 15 gpm/56.8 lpm	No-Load Line Speed by Layer @ 10 gpm/37.9 lpm	Line Pull at Pressure (@ 15 gpm/56.8 lpm) Min 400 psi/27.6 bar	
Layer 1 34 ft/min (10.0 m/min)	Layer 1 23 ft/min (7.0 m/min)	10000 lb/4536 kg @ 2050 psi/141.3 bar	5000 lb/2268 kg @ 1200 psi/82.7 bar
Layer 2 40 ft/min (12.0 m/min)	Layer 2 28 ft/min (8.5 m/min)	7500 lb/3402 kg @ 1650 psi/113.8 ba	2500 lb/1134 kg @ 800 psi/55.2 bar
Layer 3 46 ft/min (14.0 m/min)	Layer 3 32 ft/min (9.5 m/min)		

SUPERWINCH

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SUPERWINCH

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