



SERIES G2 PRODUCT DATA SHEET

| MODEL | PART NUMBER | MOTOR TYPE |
|----------------------------|--------------|--------------|
| SG2 12-A-E24V-10DL-WR00-MC | 104440 | Electric 24V |
| SG2 12-C-E24V-10DL-WR00-MC | 104445 | Electric 24V |
| SERIAL NUMBER | INSPECTED BY | DATE |

ENGINEERING DATA

| | | |
|--|--|----------|
| Rated Pulling Force: | 12000 lbf | 5443 kgf |
| Drum Barrel Diameter: | 4 in | 101.6 mm |
| Drum Flange Diameter: | 8.24 in | 209.3 mm |
| Drum Width: | 9.95 in | 252.7 mm |
| Evaluated Rope Diameter: | 7/16 in | 11 mm |
| Maximum Wire Rope Diameter: | 1/2 in | 12.7 mm |
| Minimum Wire Rope Breaking Strength: | 20400 lbf | 9253 kgf |
| Maximum Layers of Wire Rope: | 4 with 7/16in rope | |
| Gear Train: | Planetary | |
| Gear Reduction: | 266:1 | |
| Mounting Bolt Size: | M12 X 1.75 Class 8.8 | |
| Mounting Bolt Torque: | 46-51 lbf-ft | 63-69 Nm |
| Duty Cycle (per SAE J706 section 6.2): | 51.3 ft | 15.6 m |
| Approximate Shipping Weight: | 98.0 lbf | 44.5 kg |
| Brake Type: | Automatic Disk Brake per SAE J706 Sec. 4.2 | |
| Sealing: | IP68/IP69K | |
| UV Rating: | 1200 kJ/m ² per ASTM G154 | |
| Corrosion Resistance: | 408 hrs per ASTM B117 | |
| Operating Temperature: | -40°F to 158°F (-40°C to 70°C) | |
| Decibels: | 85.5 dB | |
| EMC Emissions: | CISPR 25:2008 | |
| EMC Immunity: | ISO 7637-2:2004 | |

PERFORMANCE BY LAYER

| DRUM LAYER | LINE LOAD* | | | LINE SPEED | |
|------------|------------|------|------|------------|-------|
| | lbf | kgf | kN | ft/min | m/min |
| 1 | 12000 | 5443 | 53.4 | 24.8 | 7.6 |
| 2 | 10024 | 4547 | 44.6 | 27.2 | 8.3 |
| 3 | 8606 | 3904 | 38.3 | 29.7 | 9.0 |
| 4 | 7540 | 3420 | 33.5 | 32.1 | 9.8 |

*Never exceed the Rated Pulling Force. Installation of a Rated Capacity Limiter is recommended

FIRST LAYER PERFORMANCE

| LINE LOAD | | CURRENT DRAW | LINE SPEED (AT LOAD) | | DUTY CYCLE |
|-----------|------|--------------|----------------------|-------|------------|
| lbf | kgf | AMPS | ft/min | m/min | min/10min |
| 0 | 0 | 46.7 | 24.8 | 7.6 | 4:00 |
| 2000 | 907 | 85.8 | 14.4 | 4.4 | 2:45 |
| 4000 | 1814 | 117.5 | 10.7 | 3.3 | 1:50 |
| 6000 | 2722 | 146.7 | 9.5 | 2.9 | 1:10 |
| 8000 | 3629 | 176.8 | 8.3 | 2.5 | 0:50 |
| 10000 | 4536 | 209.5 | 6.9 | 2.1 | 0:30 |
| 12000 | 5443 | 235.7 | 6.6 | 2.0 | 0:20 |



DESCRIPTION

SeriesG2 Electric winches provide new levels of performance, durability, and efficiency to help get jobs done quickly and reliably time after time.

ACCESSORIES

SeriesG2 winches represents an all-new level of modular design, customization, and versatility, no matter the application. Please visit www.warn.com/industrial for all available accessories and options.

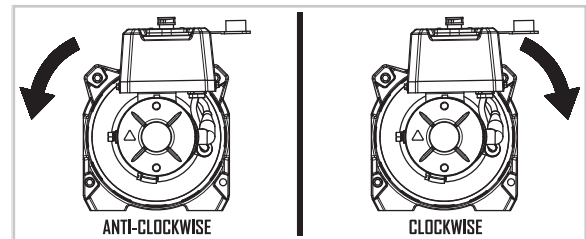
STANDARDS COMPLIANCE

2006/42/EC - EN ISO 12100:2010, EN 60529:1992+A2:2013, EN 14492-1:2006*
2014/30/EU - EN 50498:2010, ISO 7637-2:2011, CISPR 25
2011/65/EU - EN 63000:2018

Also complies with:
SAE J706

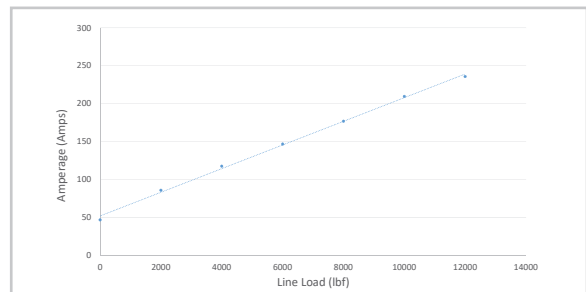
*Conforms with exceptions

DRUM ROTATION



As viewed from motor end

FIRST LAYER PERFORMANCE





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DRUM CAPACITY BY LAYER

| DRUM LAYER | DRUM LENGTH | | | | | | | |
|------------|-------------|------|-----|------|-----|------|-------|------|
| | 6.5" | | 8" | | 10" | | 12.5" | |
| | ft | m | ft | m | ft | m | ft | m |
| 1 | 15 | 4.6 | 19 | 5.8 | 24 | 7.3 | 29 | 8.8 |
| 2 | 32 | 9.8 | 42 | 12.8 | 53 | 16.2 | 63 | 19.2 |
| 3 | 52 | 15.8 | 69 | 21.0 | 86 | 26.2 | 104 | 31.7 |
| 4 | 75 | 22.9 | 100 | 30.5 | 125 | 38.1 | 150 | 45.7 |

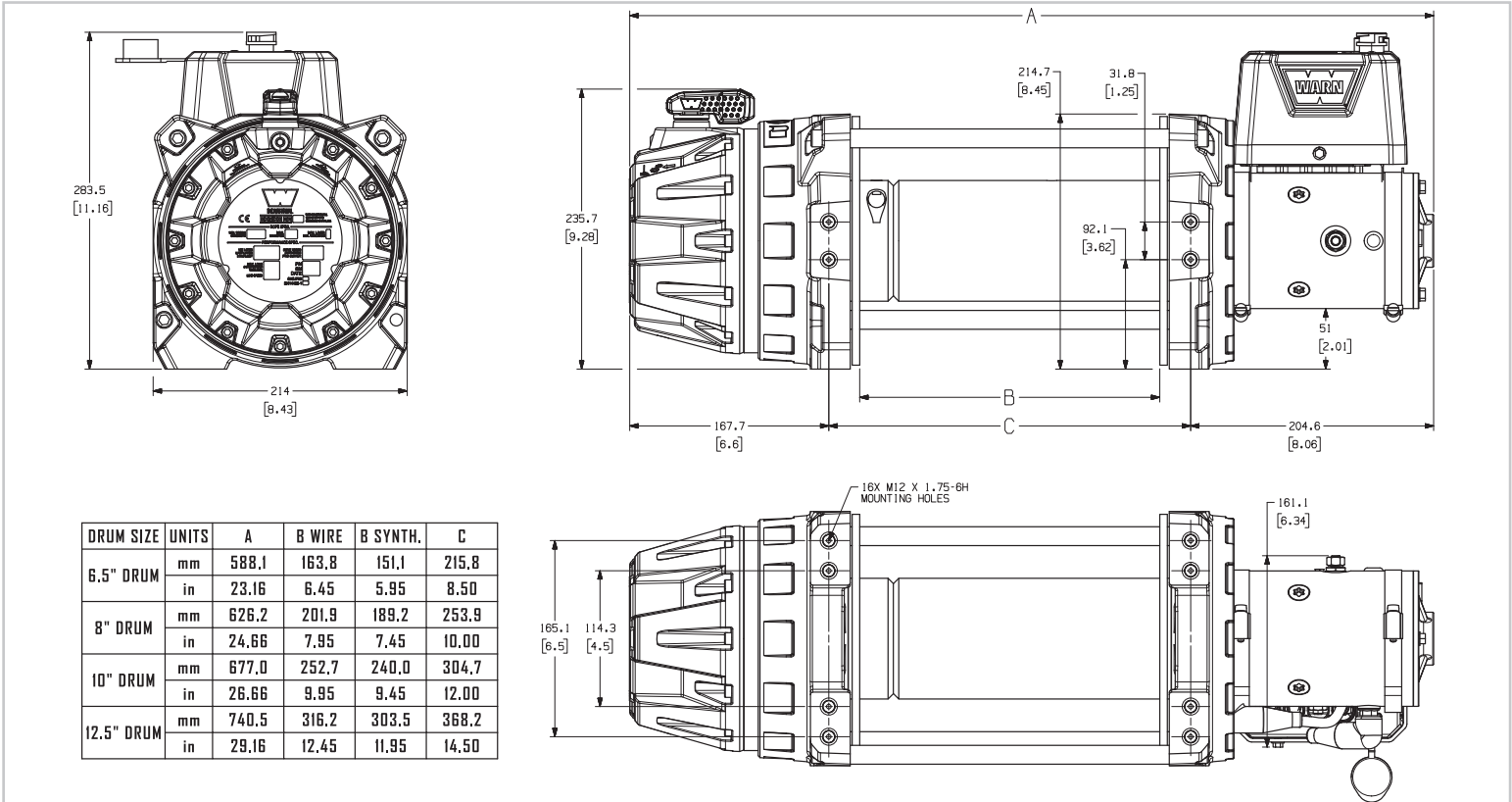
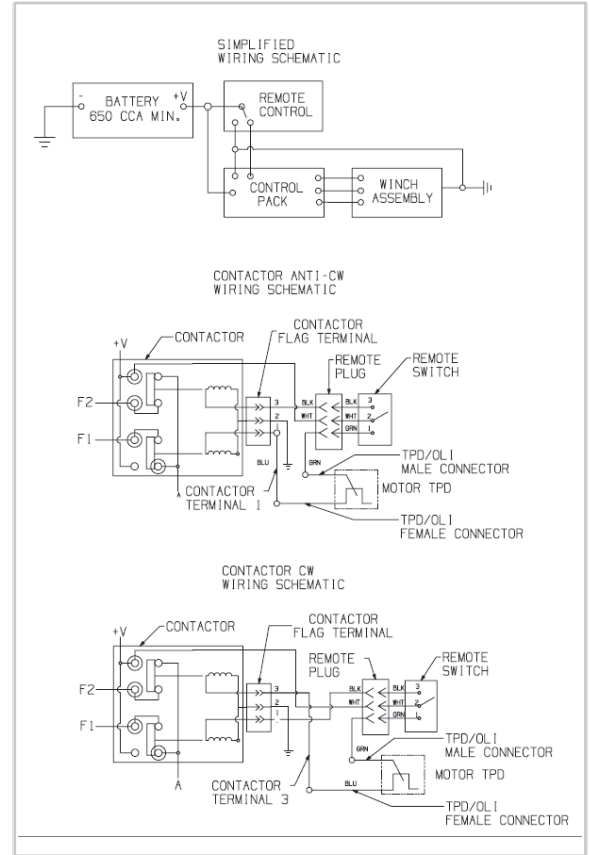
TOTAL DRUM CAPACITY

| ROPE DIAMETER | DRUM LENGTH | | | | | | | |
|---------------|-------------|------|-----|------|-----|------|-------|------|
| | 6.5" | | 8" | | 10" | | 12.5" | |
| | ft | m | ft | m | ft | m | ft | m |
| 7/16 | 75 | 22.9 | 100 | 30.5 | 100 | 30.5 | 150 | 45.7 |
| 1/2 | 60 | 18.3 | 60 | 18.3 | 75 | 22.9 | 100 | 30.5 |

ELECTRICAL SYSTEM SPECIFICATIONS

| | |
|----------------------------|----------|
| Battery Voltage: | 24V |
| Minimum Battery Rating: | 650 CCA |
| Maximum Rated Input Speed: | 5678 RPM |

WIRING SCHEMATIC



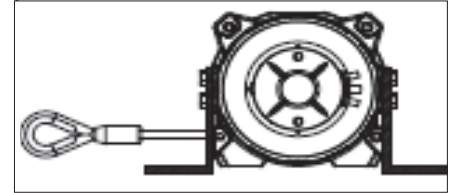
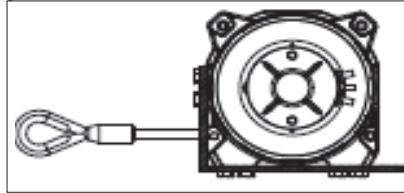
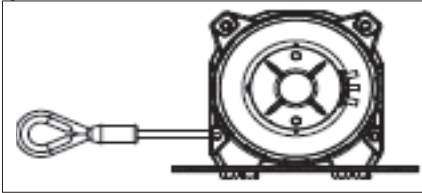


MOUNTING CONFIGURATIONS

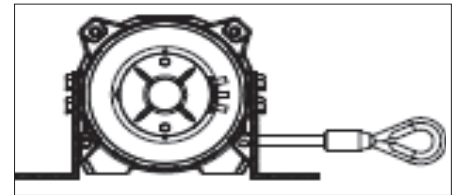
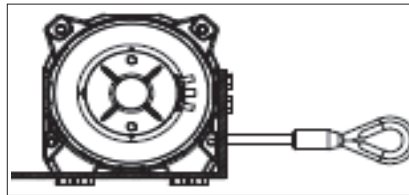
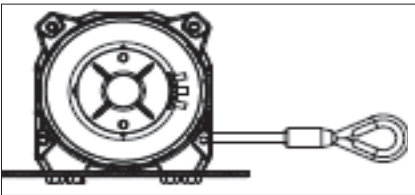
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ALL MOUNTING MUST BE OBSERVED FROM MOTOR END

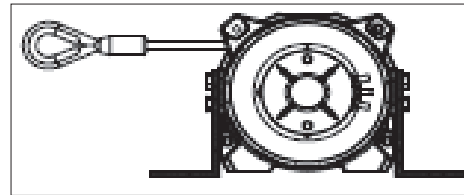
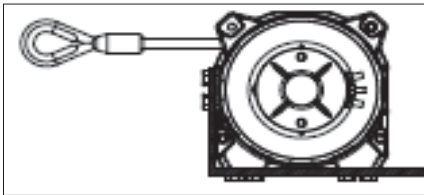
FEET DOWN, ROPE UNDER DRUM, COMING IN FROM THE LEFT (DUL) - ANTI-CLOCKWISE ROTATION



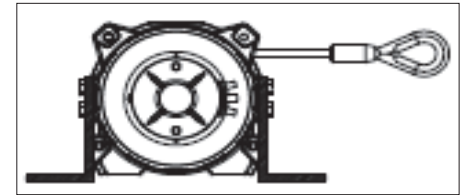
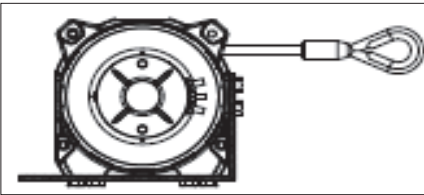
FEET DOWN, ROPE UNDER DRUM, COMING IN FROM THE RIGHT (DUR) - CLOCKWISE ROTATION



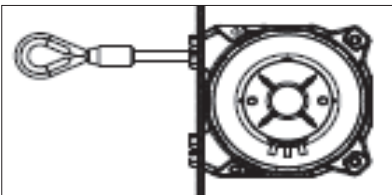
FEET DOWN, ROPE OVER DRUM, COMING IN FROM THE LEFT (DOL) - CLOCKWISE ROTATION



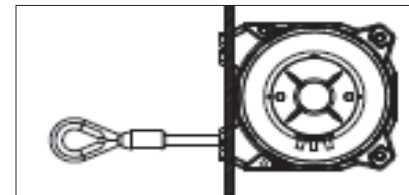
FEET DOWN, ROPE OVER DRUM, COMING IN FROM THE RIGHT (DOR) - ANTI-CLOCKWISE ROTATION



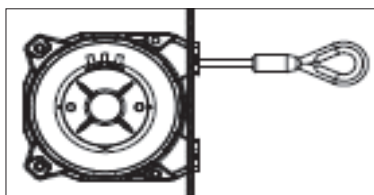
FEET FORWARD, ROPE OVER DRUM, COMING IN FROM THE LEFT (FOL) - CLOCKWISE



FEET FORWARD, ROPE UNDER DRUM, COMING IN FROM THE LEFT (FUL) - ANTI-CLOCKWISE



FEET FORWARD, ROPE OVER DRUM, COMING IN FROM THE RIGHT (FOR) - ANTI-CLOCKWISE



FEET FORWARD, ROPE UNDER DRUM, COMING IN FROM THE RIGHT (FUR) - CLOCKWISE

