

MODEL CODE	PART NUMBER	MOTOR TYPE
PWX 3.5 S VE1T6221	101621	12V DC

## STANDARD COMPLIANCE

EN14492-2 :2019\*, SAE J706

2006/42/EC - EN ISO 121000 :2010, ISO 7637-2 :2004

2014/30/EU – EN50498 :2010, ISO7637-2 :2011, CISPR 25: 2008

\*Conforms with exceptions



## WINCH SPECIFICATIONS

Rated Pulling Force	1588 kgf	3500 lbf
Drum Barrel Diameter	51 mm	2 in
Drum Width	84 mm	3.30 in
Evaluated Rope Diameter	Ø9 mm	0.35 in
Maximum Wire Rope Diameter	Ø9mm	0.35 in
Minimum Wire Rope Breaking Strength	6210 kgf	13691 lbf
Recommended Rope Type	6 x 29 IWRC	
Maximum Layers of Wire Rope	5* (5 <sup>th</sup> winding is not recommended)	
Gear Train, Reduction	3 Stage Planetary, 138:1	
Mounting Bolt Size	M8 X 1.75 Class 8.8	
Mounting Bolt Torque	63-69 Nm	46-51 lbf-ft
Duty Cycle (per EN 1449-2)	3.7 m	12.1 ft
Approximate Shipping Weight	12 kg	26.45 lb
Brake Type	Automatic Mechanical Brake	
Sealing	IP68	
UV Rating	1200kJ/m <sup>2</sup> per ASTM G154	
Corrosion Resistance	408 hrs per ASTM B117	
Operating Temperature	-40°C to +60°C (-25.6°F to 131°F)	
Decibels	86 Db	

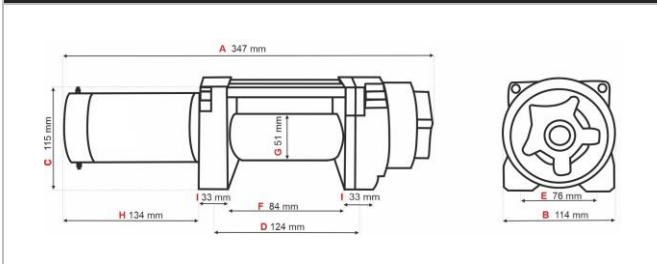
## FIRST LAYER PERFORMANCE

Line Pull	Line Speed	Current Draw	Duty Cycle
	12V	12V	12V
kgf / lbf	mpm / fpm	Amps	min/10min
0	4.9 / 17,7	20	4:00
453 / 1000	3,7 / 15,7	69	2:50
907 / 2000	2.7 / 13,1	119	2:00
1587 / 3500	1.7 / 9,8	198	1:15

## ELECTRICAL SYSTEM REQUIREMENTS

Battery Voltage	12V
Minimum Battery Rating	650 CCA

## DIMENSIONAL DRAWING



## ELECTRICAL WIRING DIAGRAM

