

MODEL CODE	PART NUMBER	MOTOR TYPE
ZODIAC 8-S VE4T3221	102321	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



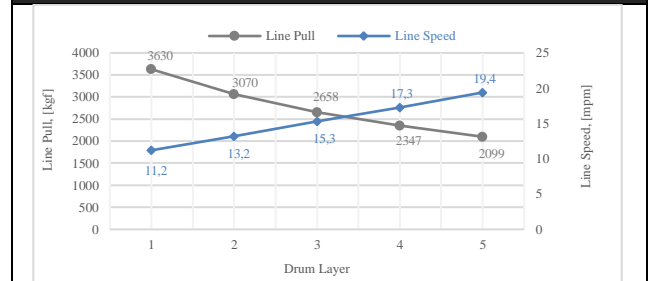
WINCH SPECIFICATIONS

Rated Pulling Force	3630 kgf	8000 lbf
Drum Barrel Diameter	85 mm	3.35 in
Drum Width	230 mm	9.05 in
Evaluated Rope Diameter	Ø10 mm	3/8 in
Maximum Synthetic Rope Diameter	Ø10mm	3/8 in
Minimum Synthetic Rope Breaking Strength	7668 kgf	16905 lbf
Recommended Rope Type	Synthetic Rope	
Maximum Layers of Synthetic Rope	5* (5 th winding is not recommended)	
Gear Train, Reduction	3 Stage Planetary, 165.5:1	
Mounting Bolt Size	M12 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	12.2 ft
Approximate Shipping Weight	37,5 kg	82.7 lb
Brake Type & Freespool Type	Automatic Mechanical Brake & Hand Lever	
Sealing	IP68	
UV Rating	1200kJ/m ² 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	

PERFORMANCE BY LAYER

Drum Layer	Line Pull		Line Speed		Rope Capacity	
	kgf	lbf	mpm	fpm	m	ft
1	3630	8000	11,2	36,75	6,7	22,0
2	3070	6768	13,2	43,31	14,5	47,6
3	2658	5860	15,3	50,20	23,9	78,4
4	2347	5174	17,3	56,76	34,1	111,9
5*	2099	4627	19,4	63,65	-	-

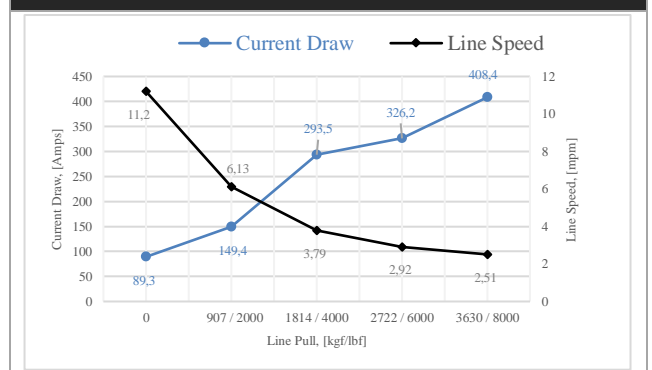
PERFORMANCE BY LAYER



FIRST LAYER PERFORMANCE

Line Pull	Line Speed	Current Draw	Duty Cycle
	12V	12V	12V
kgf / lbf	mpm / fpm	Amps	min/10min
0	11,2 / 36,75	89,3	04:00
907 / 2000	6,13 / 20,1	149,4	02:10
1814 / 4000	3,79 / 12,4	293,5	01:20
2722 / 6000	2,92 / 9,6	326,2	00:40
3630 / 8000	2,51 / 8,23	408,4	00:30

FIRST LAYER PERFORMANCE



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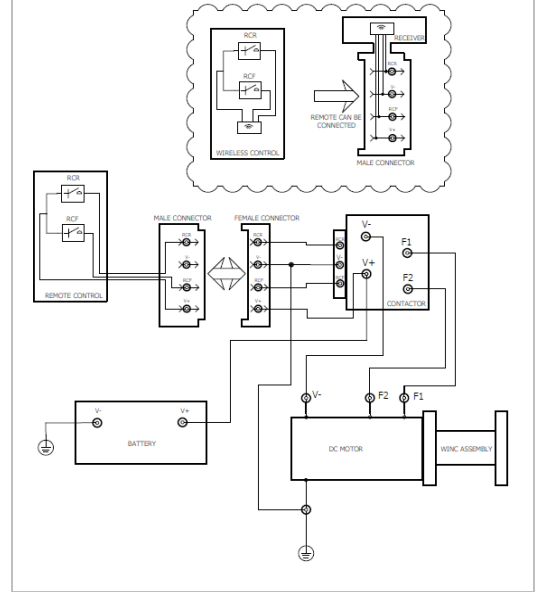
ELECTRICAL SYSTEM REQUIREMENTS	
Battery Voltage	12V
Minimum Battery Rating	650 CCA

THE SET INCLUDES:

- Synthetic rope
- Rope hook
- Control box
- Aluminium fairlead
- Mounting screws
- Remote control

* Order wireless remote control separately

ELECTRICAL WIRING DIAGRAM



DIMENSIONAL DRAWING

