

MODEL CODE	PART NUMBER	MOTOR TYPE
URUZ 16.5 VE8T1112	109112	24V 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



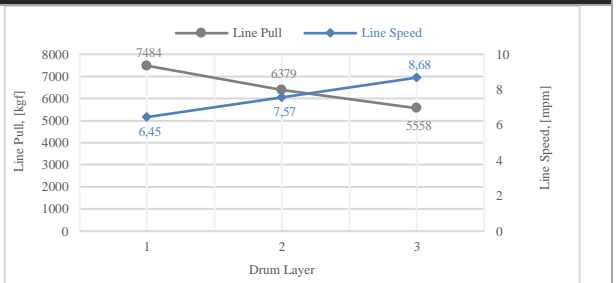
## WINCH SPECIFICATIONS

Rated Pulling Force	7484 kgf	16500 lbf
Drum Barrel Diameter	126 mm	4.96 in
Drum Width	197 mm	7.76 in
Evaluated Rope Diameter	Ø14	9/16 in
Maximum Wire Rope Diameter	Ø14	9/16 in
Minimum Wire Rope Breaking Strength	15000 kgf	33069 lbf
Recommended Wire Rope Type	6 x 29 IWRC	
Maximum Layers of Wire Rope	4	
Gear Train, Reduction	3 Stage Planetary, 358.3:1	
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)	18.7 m	61.4 ft
Approximate Shipping Weight	62.5 kg	137.8 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	95 Db	

## PERFORMANCE BY LAYER

Drum Layer	Line Pull		Line Speed		Rope Capacity	
	kgf	lbf	mpm	fpm	m	ft
1	7484	16500	6,45	21,16	6,2	20,34
2	6379	14063	7,57	24,84	12,9	42,32
3	5558	12253	8,68	28,48	21,2	69,55

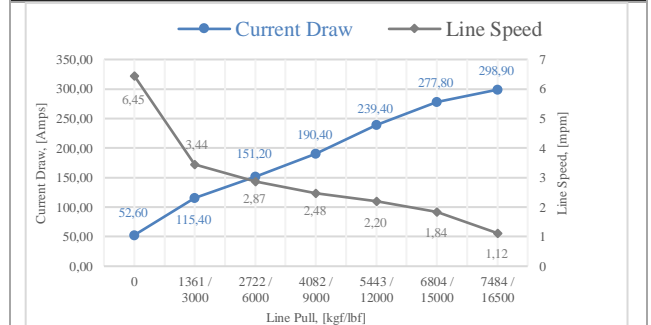
## PERFORMANCE BY LAYER



## FIRST LAYER PERFORMANCE

Line Pull	Line Speed	Current Draw	Duty Cycle
kgf	mpm	Amps	min/10min
0	6,45	52,60	5:00
1361 / 3000	3,44	115,40	2:00
2722 / 6000	2,87	151,20	1:10
4082 / 9000	2,48	190,40	0:40
5443 / 12000	2,20	239,40	0:25
6804 / 15000	1,84	277,80	0:10
7484 / 16500	1,12	298,90	0:05

## FIRST LAYER PERFORMANCE



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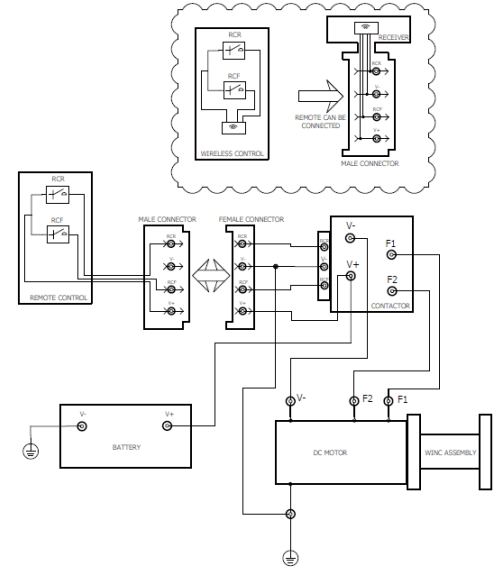
ELECTRICAL SYSTEM REQUIREMENTS	
Battery Voltage	24V
Minimum Battery Rating	650 CCA

### THE SET INCLUDES:

- Wire rope
- Rope hook
- Control box
- Roller guides
- Mounting screws
- Remote control

\* Order wireless remote control separately

### ELECTRICAL WIRING DIAGRAM



### DIMENSIONAL DRAWING

