

Electric Winch ZE 4.000

Electric worm gear and spur gear winch

GEAR TRAIN

Worm-gear drive train
in oil bath

HANDLE REMOTE CONTROL

Handle remote control with 4 meters cable
with red safety button to comply with CE

SPUR GEAR

Spur gear train
completely lubricated



ELECTRIC MOTOR

Electric motor
12v and 24 V DC

ROLLER FAIRLEAD

Galvanized Roller Fairlead

MOUNTING BASE PLATE

SPECIFICATIONS

- Rated line pull : **4.000 kg**
- Electric motor d.c. : **12 V d.c. / 24 V d.c.**
- Worm and gear train with spur gear reduction.
- Manual clutch shifter
- (CE) Industrial remote control includes cable (4 m. long).
- Weight without cable : • for model ZEC (short) = **40,5 kg**
• for model ZEL (long) = **44,5 kg**



- DANGER :

Do not use winch to lift support or otherwise transport personnel.

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Technical data

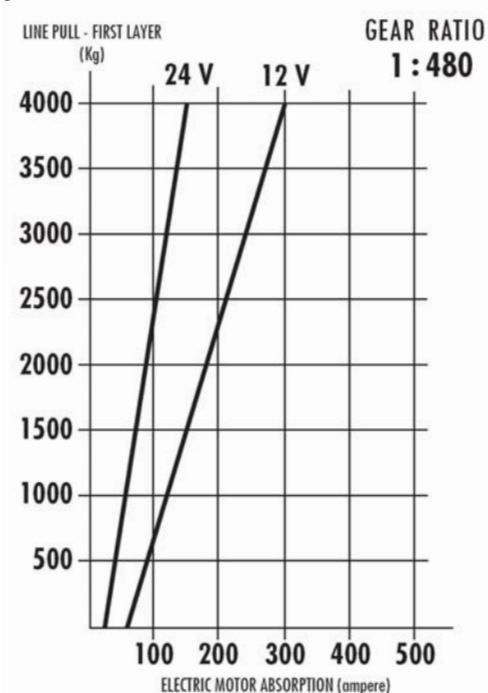
RATIO	WIRE ROPE SIZE	LAYER	LINE PULL
	mm.		kg
1:480	10	1	4000
		2	3560
		3	2930
		4	2490

DRUM		WEIGHT WITHOUT CABLE	WIRE ROPE CAPACITY		MAX. WIRE ROPE	
			m		m	
		kg	8 mm.	10 mm.	8 mm.	10 mm.
SHORT	ZEC	40.5	25	18	28	21
LONG	ZEL	44.5	35	30	40	35

These performance data are based on line pull-first layer.

VOLT	RATIO	NO LOAD		900 kg		1800 kg		2700 kg		3600 kg		4000 kg	
		SPEED m/min.	AMP.	SPEED m/min.	AMP.	SPEED m/min.	AMP.	SPEED m/min.	AMP.	SPEED m/min.	AMP.	SPEED m/min.	AMP.
12													
	1:480	4.5	65	2.4	110	1.9	180	1.2	220	1.1	280	0.6	300
24													
	1:480	4.5	30	2.4	50	1.9	90	1.2	110	1.1	140	0.6	150

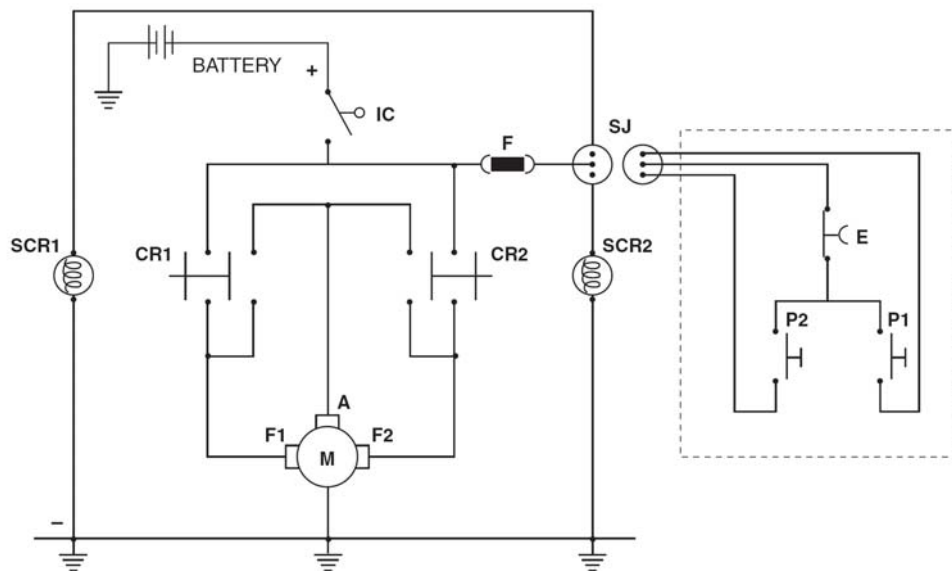
Performance charts at the 1° layer



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Electric wiring diagram



IC = BATTERY MAIN SWITCH

CR1 = SOLENOID

1CR2 = SOLENOID 2

M = ELECTRIC MOTOR

E = SAFETY STOP BUTTON

P1-P2 = "WINDING/UNWINDING" BUTTONS

SCR1 = SOLENOID COIL CR1

SCR2 = SOLENOID COIL CR2

F = FUSIBLE PLUG 15A

SJ = SELF-LOCKING PLUG