

DELTA MINI

GUNITE & REFRACTORY SPRAYING MACHINE



PARTS & USER'S MANUAL

Delta Ltd

Dolapdere San. Sit. 20. Ada No:18

İkitelli, İstanbul

++90- (212) - 5498232

www.shotcreter.com

info@shotcreter.com

DELTA MINI

Shotcrete – concrete repair & refractory spraying machine



CAPACITY *	1-4 m ³ /saat
AIR CONSUMPTION**	4-7 m ³ /dak
ELECTRICAL MOTOR	3 Kw
VOLTAGE	380 V 50 Hz
HOSE SIZE	35 / 40 / 50 mm
DIMENSIONS (mm)	1400 x 920 x 1350
WEIGHT (kg)	400-450

* DEPENDS ON ROTOR

** DEPENDS ON ROTOR, HOSE LENGTH, MATERIAL HUMIDITY, etc.

OPTIONAL COMPONENTS

AUTOMATIC GLYCERINE LUBRICATION

HYDRAULIC CLAMPING

OUTPUT ADJUSTMENT

AIR MOTOR

DIESEL MOTOR



DELTA MAKINA LTD

Dolapdere Sanayi Sitesi 20. Ada No:18 Ikitelli , Istanbul 34670

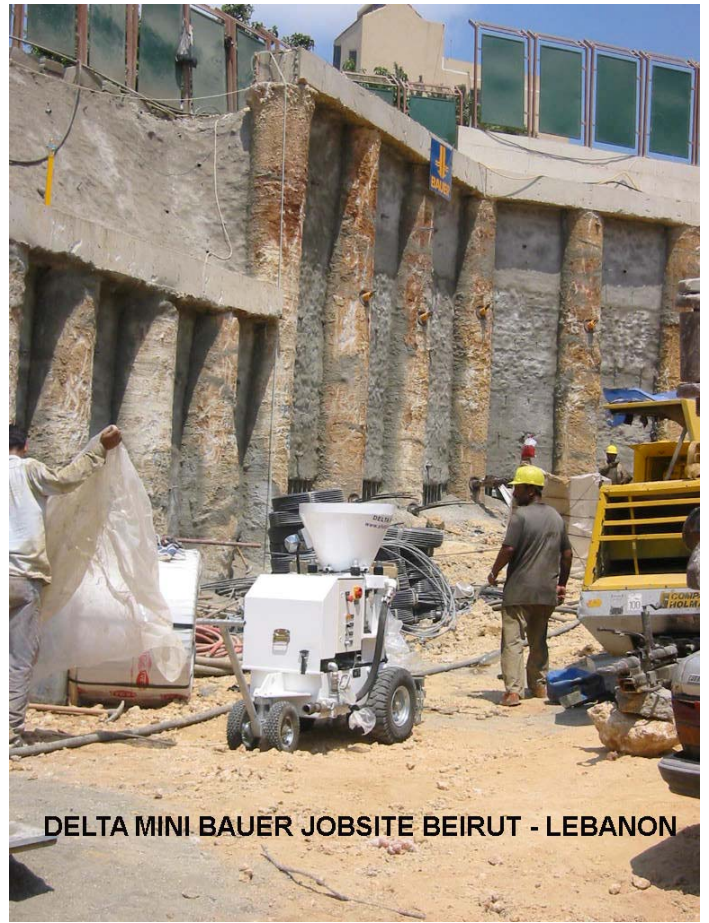
TEL : (212) – 5498232 / 5498346 FAX: (212) – 5498357

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DELTA MINI

Concrete repair and refractory spraying applications



DELTA MINI BAUER JOBSITE BEIRUT - LEBANON



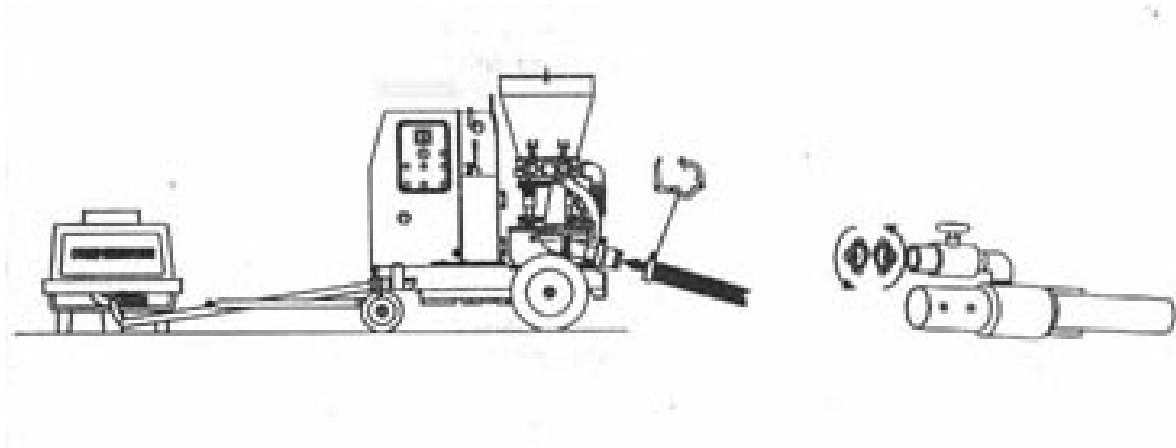
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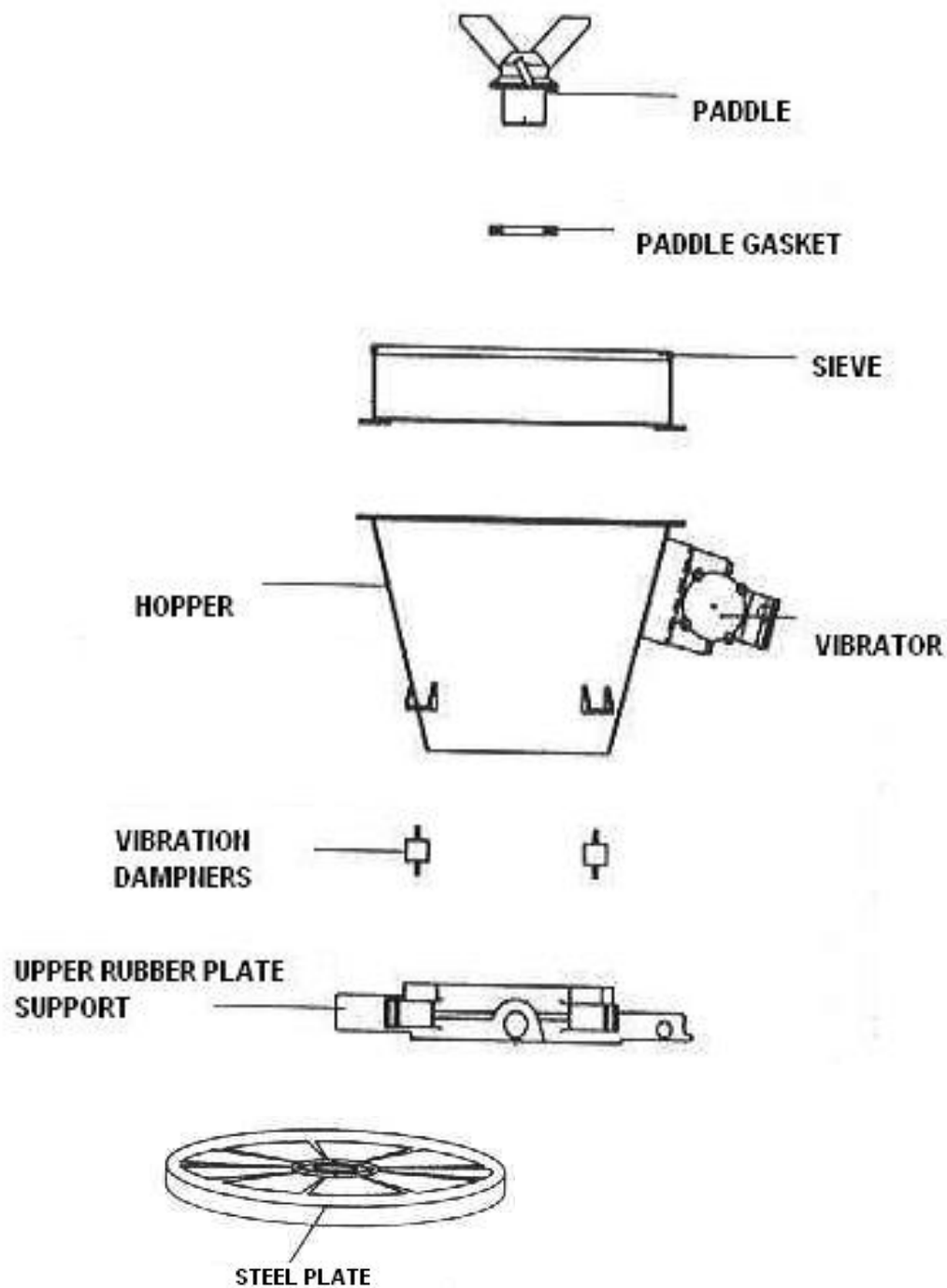


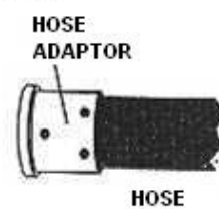
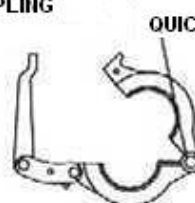
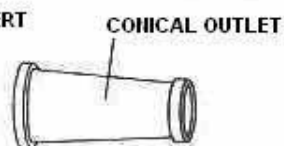
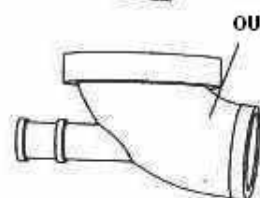
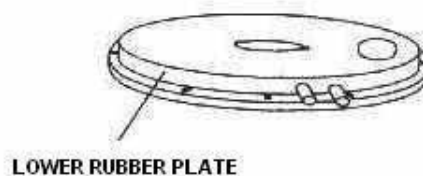
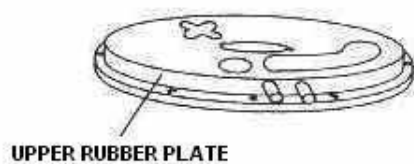
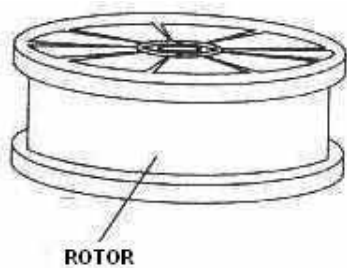
PREPERATION AND USE OF THE SHOTCRETE MACHINE:

1. Connect the air compressor hose, make sure you use a minimum 1 ¼" ID air hose and 6-7 cum/ min 7 bar air compressor.
2. Connect the material hose.
3. Connect electrical power (3 x 380 V 50 Hz 4 kw)
4. Make sure the machine is properly grounded
5. Tighten the four clamping devices , first tighten all four equally , then retighten the two near the air inlet.
6. Make sure the Emergency Buttons are not pressed, and open the air solenoid by turning switch 2 to the first position.(Make sure the nozzle operator is holding the nozzle firmly)
7. Check the air coming out of the nozzle , adjust as necessary
8. Turn on water and adjust from the nozzle valve.
9. Turn the switch 2 to the 2nd position, now the rotor is ready to turn.
10. Pump a few strokes of glycerine to lubricate the plates.

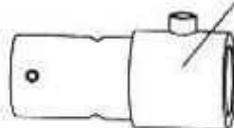
11. Push the "Increase speed" button to start the rotor
12. Start filling material to the hopper
13. Observe the material coming out of the nozzle, adjust air and water as necessary.
14. Start shotcreting , adjust air, water and the capacity of the machine as necessary.
15. When done , first bring back switch 2 to position 1 and wait until the material hose is empty , turn off the water supply then turn switch 2 to "0" position to stop the air.
16. Now you are ready to clean and inspect the machine.

DELTA MINI SHOTCRETE MACHINE SPARE PARTS





HOSE



NOZZLE PIPE
HOLDER



VULKOLAH
NOZZLE PIPE

DELTA MINI OUTLET SYSTEM AND NOZZLES



OUTLET VICE



OUTLET ELBOW

OUTLET ELBOW RUBBER INSERT

50 MM ID CONICAL OUTLET PIPE

50 mm ID CONICAL RUBBER INSERT

40 MM ID CONICAL OUTLET PIPE

40 mm ID CONICAL RUBBER INSERT



50 mm NOZZLE PIPE

40 mm NOZZLE PIPE



50 mm REFRACTORY NOZZLE

40 mm REFRACTORY NOZZLE

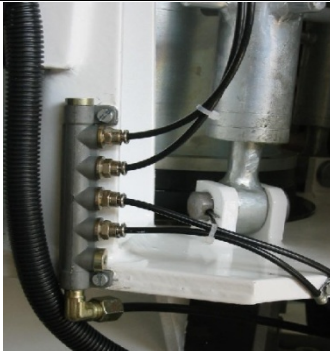
DELTA MINI GLYCERINE LUBRICATION SYSTEM



STANDARD MANUAL PUMP



OPTIONAL AUTOMATIC LUBRICATION SYSTEM

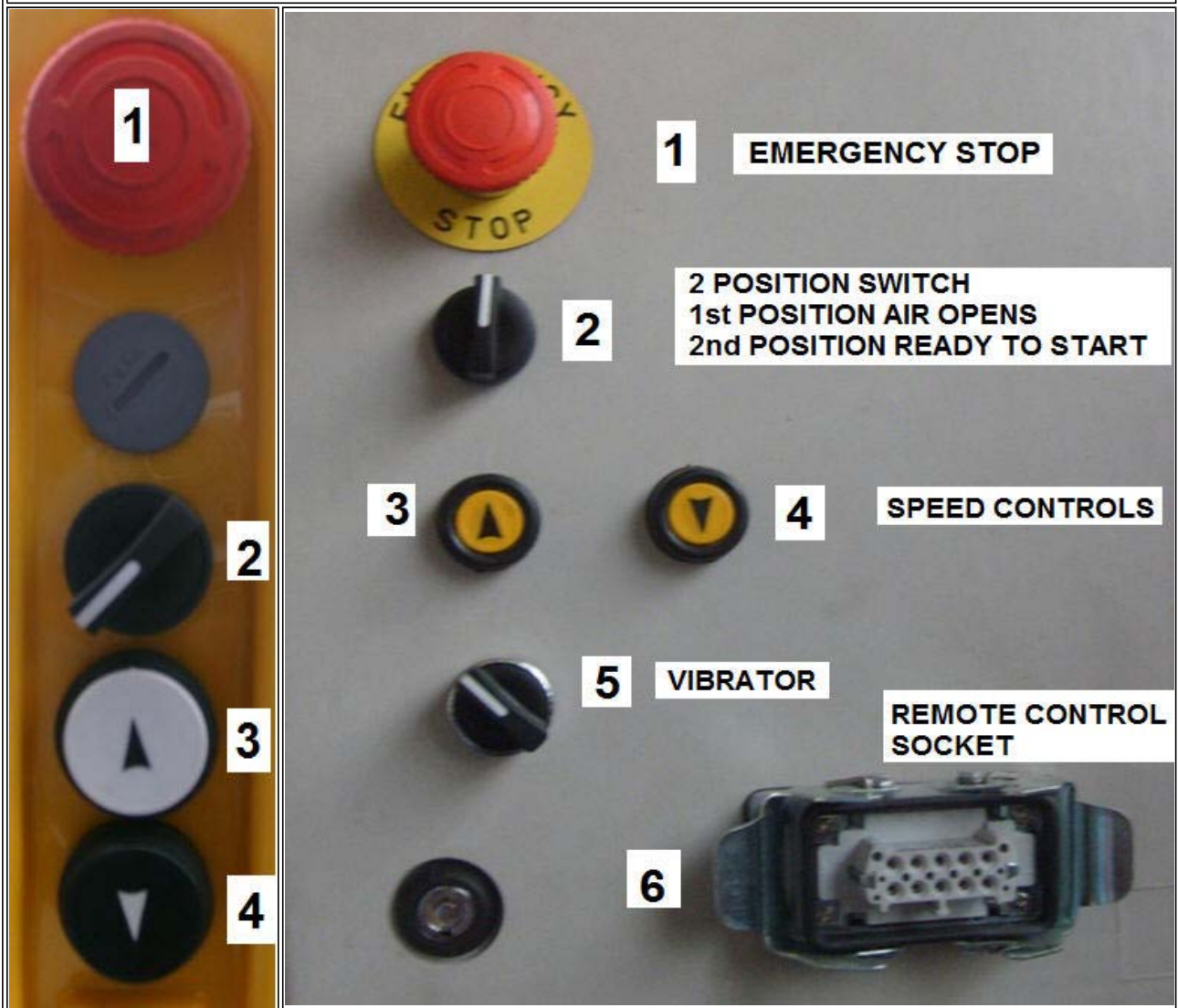


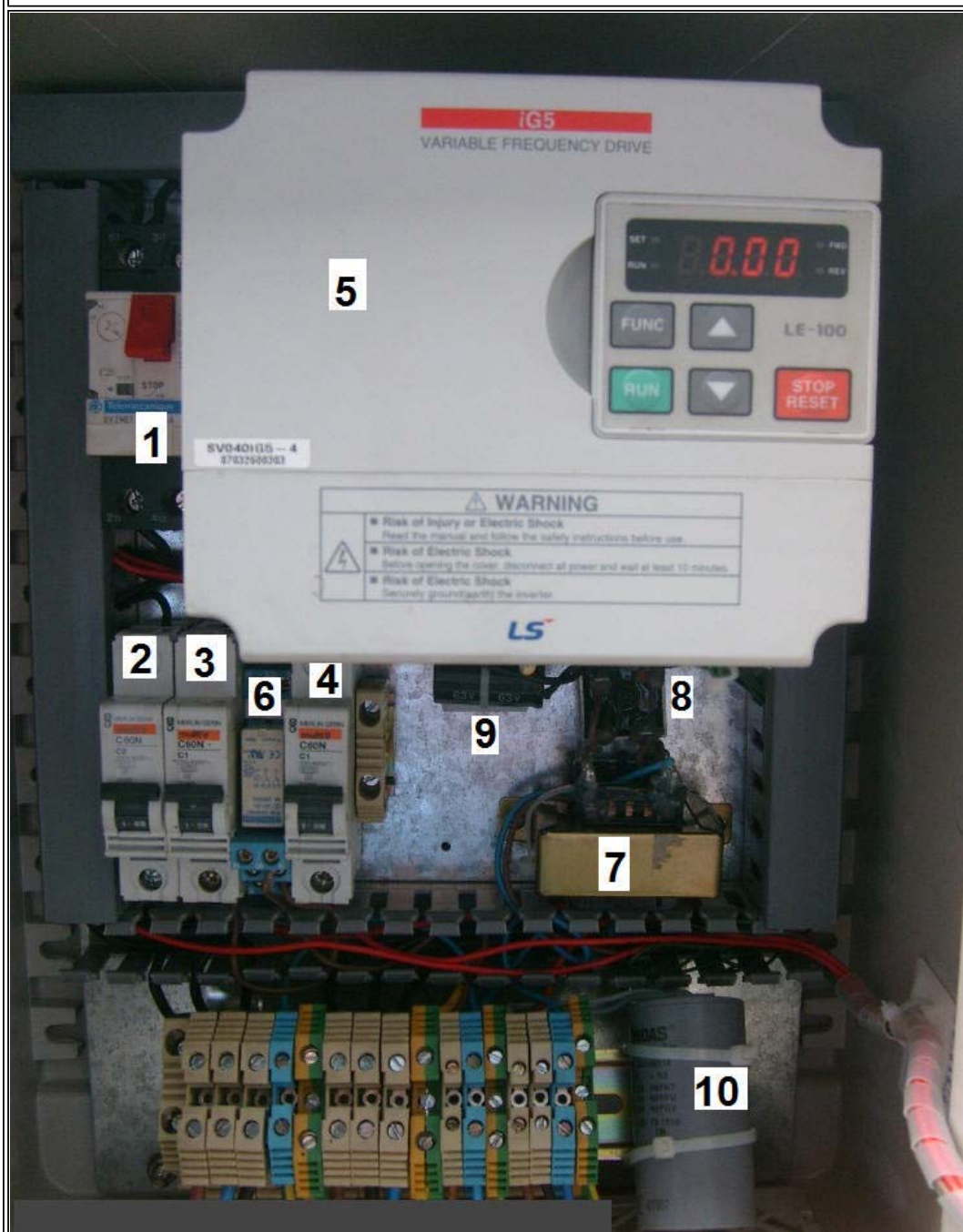
MANIFOLD ASSEMBLY



RUBBER PLATE LUBRICATION NIPPLES

REMOTE CONTROL & MAIN PANEL SWITCHES & BUTTONS & THEIR FUNCTIONS

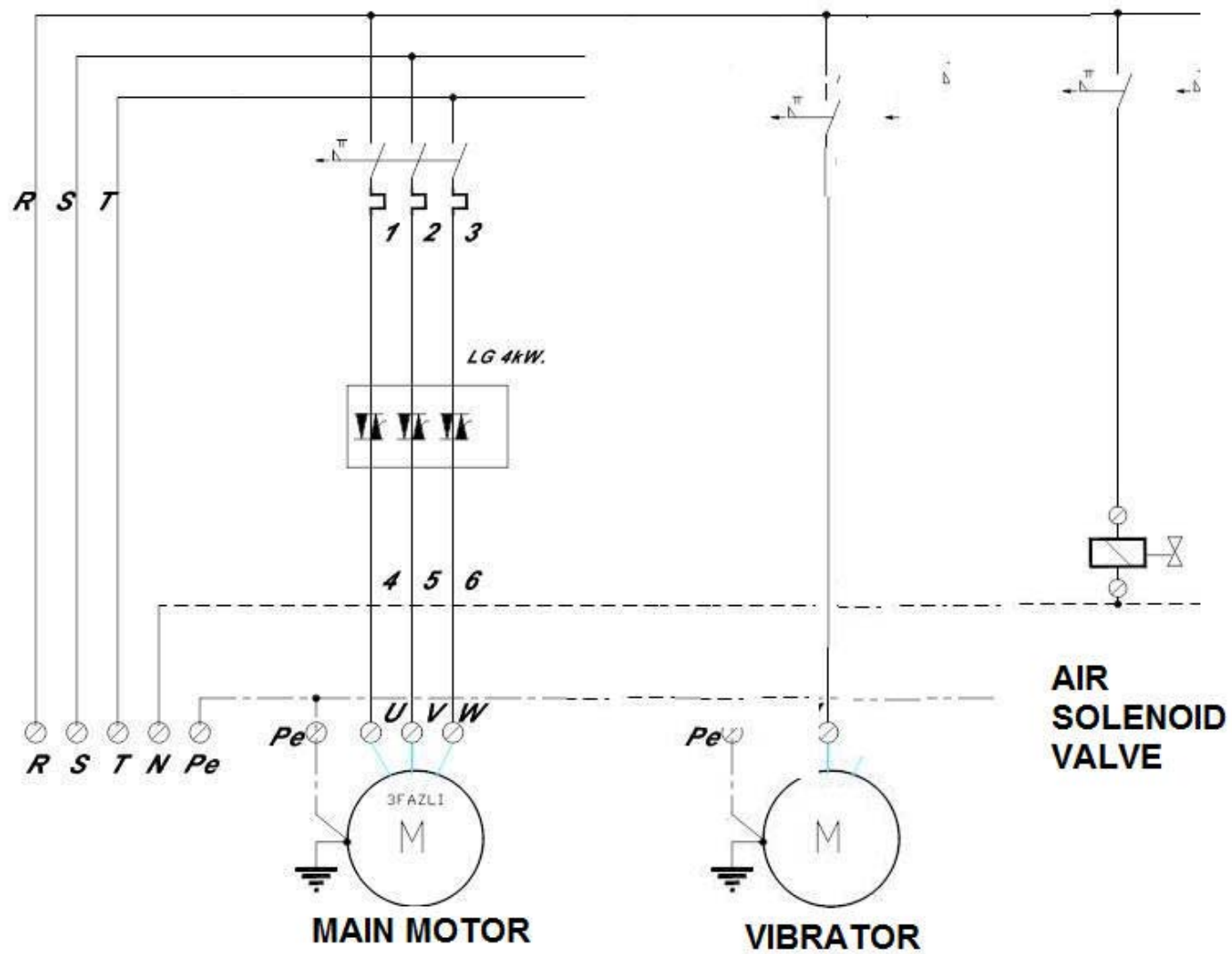




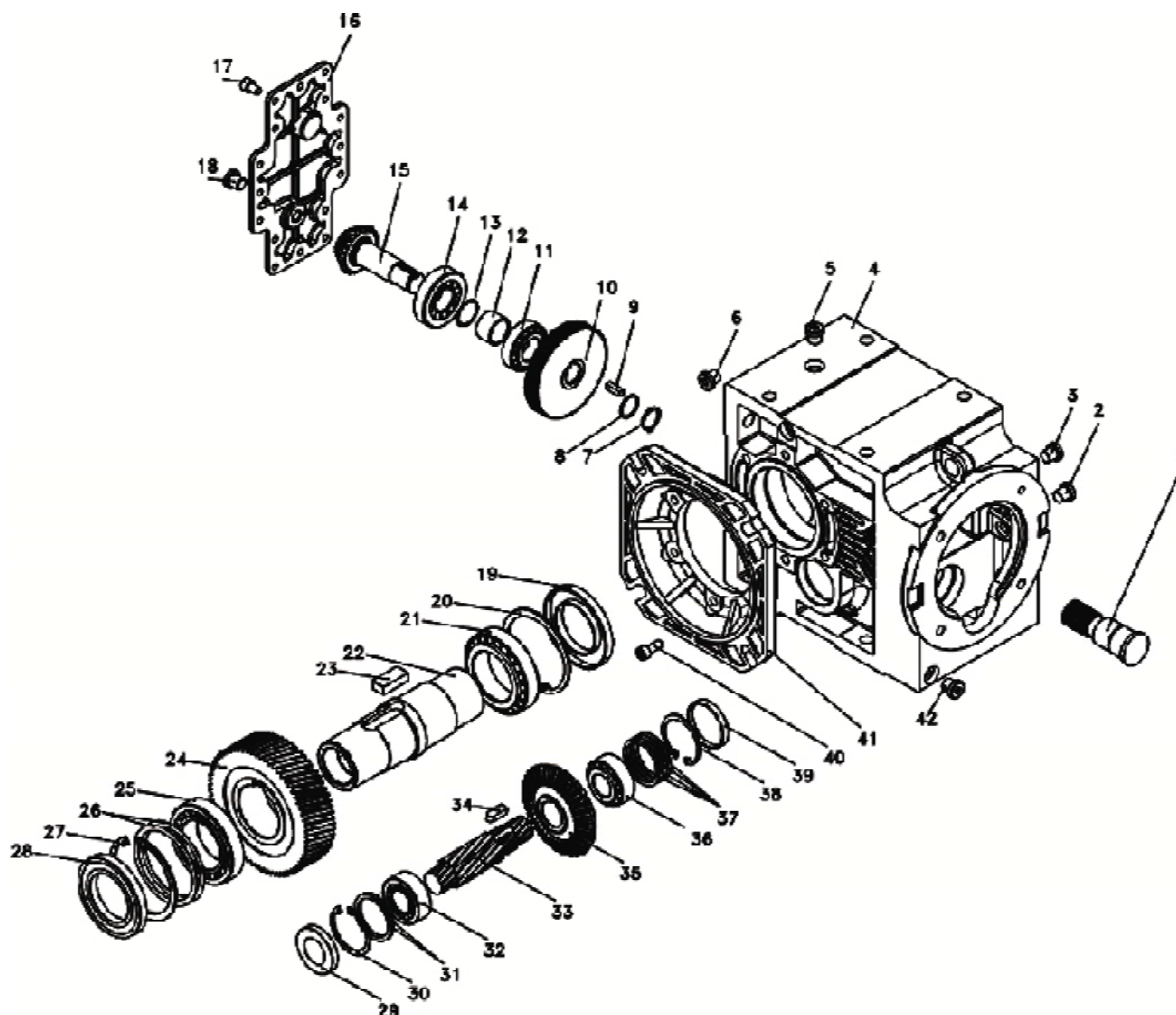
- 1) 4 KW FUSE
- 2) 2 AMP FUSE
- 3) 1 AMP FUSE
- 4) 1 AMP FUSE
- 5) 4 KW VFD
- 6) RELAY
- 7) 2 X 12 V XFORMER
- 8) BRIDGE RECTIFIER
- 9) E. CAPACITOR
- 10) CAPACITOR

INSIDE VIEW OF THE DELTA MINI ELECTRICAL PANEL

PLEASE INQUIRE WITH FIGURE NUMBERS/& /OR DESCRIPTION AND TAG DATA



DELTA MINI ELECTRICAL POWER CIRCUIT



EXPLODED VIEW OF THE DELTA MINI TRANSMISSION
PLEASE INQUIRE WITH FIGURE ITEM NUMBERS