



Made in Italy

VICENZA

OPERATION AND MAINTENANCE MANUAL

Translation of the original instructions

1. SAFETY WARNINGS

It is the installer's responsibility to ensure that installation and maintenance are carried out in accordance with essential safety criteria and with due regard for personal safety.

The installer/maintenance technician must comply with the regulations governing accident prevention and is liable for any damage to persons or property caused during installation.

Important safety notices and hazard warnings are indicated by the following symbols



Warning of high risk of danger(eg,inshearzones, areas of cutting,crushing, etc..)



Generic warning of danger



Risk of damage to parts of the machinery (for example due to wrong installation or similar such things)



Symbol to indicate additional important notices

AT THESE WARNINGS, DO THE OUTMOST CAUTION

DEFINITIONS: INSTALLER and/or SERVICE

Qualified operator recognised as such by the Customer and authorised by the latter to service the machinery for installation and maintenance.

2. TECHNICAL FEATURES



By visiting the website **www.orange1liftmotors.eu** you will have the opportunity to consult and download the detailed technical documentation on your drive unit ORANGE 1 LIFT MOTORS, including dimensional drawings and electrical and mechanical features.

3. MACHINE IDENTIFICATION



For any communication with ORANGE1 Lift Motors or with our Distributors, always refer to the identification labels applied on the main body of the machine and on the motor case, taking care to note the serial number of the machine.

											
ORANGE1 LIFT MOTOR CODE											
Type ~				YEAR		N.		SERIAL NUMBER			
☐ Duty S				IP		CL		☐			
kW	Hz	Δ	V	$\angle$	Δ	A	$\angle$	min ⁻¹	Cos.φ		
Brake		BRAKE TYPE AND TORQUE Nm			DC	BRAKE SUPPLY		V/AC	BRAKE SUPPLY V		
Amb. tem. 40°C		S.F.			Eff.		%		WEIGHT kg		
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4. WARRANTY

- 4.0 The warranty, unless other contractual arrangements, is governed by the following clauses:
- 4.1 ORANGE1 LIFT MOTORS warrants its hoisting machines for a period of two years from the date of dispatch from its premises. In that period, ORANGE1 will take over the replacement of any and accepted by ORANGE1 LIFT MOTORS.
- 4.2 The parts under warranty for repair or replacement, must be delivered to ORANGE1 LIFT MOTORS on DDU basis.
- 4.3 Any request for technical intervention by the Customer must be submitted to ORANGE1 LIFT MOTORS in writing. Labor cost, travel, meals and lodging expense are up to the Customer.
- 4.4 The warranty becomes automatically void whether any of the followings conditions may apply:
- the drive unit or its component parts have been subject to tampering;
 - the usage of the drive unit differs from the conditions of use indicated to ORANGE1 LIFT MOTORS at the time of the order of the drive unit, and also when it differs from the conditions of use stated in the ORANGE1 LIFT MOTORS technical catalogue and in the present manual;
 - lack of the identification plates of the machine.
- 4.5 Warranty doesn't include operations and component parts subject to normal seals.
- 4.6 The warranty does not cover or implies compensations whatsoever for any shut mdown time or transport.
- 4.7 Procedures for warranty repair: occurrence of the defect, by e-mail or by fax;
- 4.7.1 ORANGE1 LIFT MOTORS shall confirm by e-mail or fax the possible acceptance of the warranty claim an authorise the Customer to perform the repair, or shall arrange for the intervention of the ORANGE1 LIFT MOTORS Technicians.
- 4.7.2 Any defective component part replaced by the Customer has to remain available to ORANGE1 LIFT MOTORS for at least 30 days, so as to enable it to carry out the necessary verifications, or it shall have to be sent directly to ORANGE1 LIFT MOTORS upon its written request.
- 4.7.3 In no event ORANGE1 LIFT MOTORS recognizes charges for warranty repairs that were not approved in advance by itself.
- 4.7.4 In any case it must be given the entire photographic documentation of the performed repair, not only for the purposes of the present document, but also for fiscal reasons and for enabling ORANGE1 LIFT MOTORS to correct and improve the quality and reliability of its machines.



5. REVERSING THE TRACTION SIDE

To reverse the side of the drum or pulley must:

- Unscrew the screw that secures the shaft to the hub (fig.1 and fig.2)
- Pull out the drum or sheave, including the shaft (fig.3)
- Install the drum or sheave, complete with shaft, on the opposite side, again inserting the shaft into the hub and tighten the mounting screw to a torque of 60 Nm, taking care to insert the special washer.

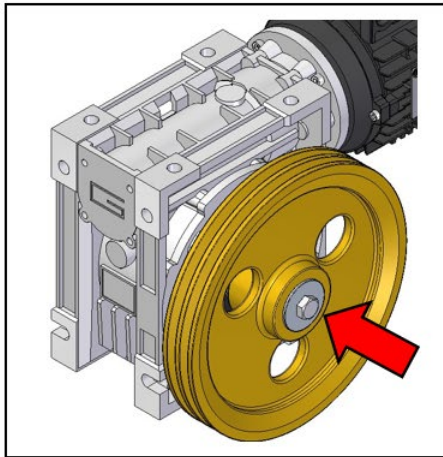


Fig.1

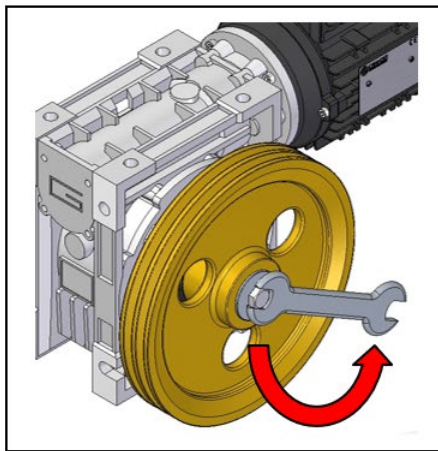


Fig.2

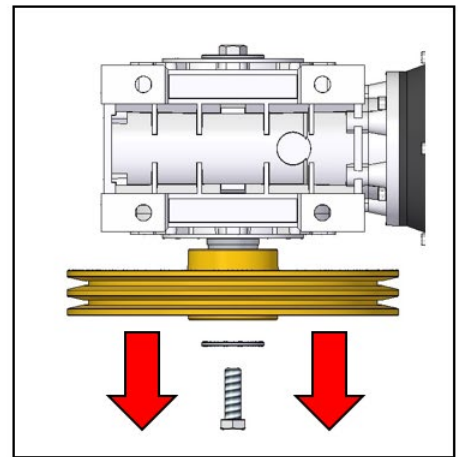


Fig.3



For reversing the traction side, it is important that the machine is fixed on its bedplate, or however not free to move.



Never perform the reversing of the traction side with the machine connected to the electrical power line.

6. OPENING OF THE ELECTROMAGNETIC BRAKE

The drive unit for dumbwaiter VICENZA model are equipped with electromagnetic disc brake, with double friction discs.



To unlock the brake in manual mode it's necessary to pull the lever that comes out the fan cover (Fig.4). At the same time to close it it's necessary to leave the lever.



Never operate on the brake while the motor runs.

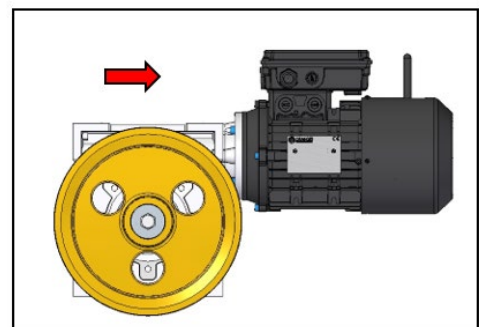


Fig.4

7. BRAKE POWER FEEDING



Brake must be feeded by DC voltage, due to this ORANGE 1 LIFT MOTORS use rectifiers to convert AC voltage (input) to DC voltage (output) Fig.5. AC and DC voltages are showed in the motor nameplate. Tolerance for the brake voltage is $\pm 6\%$. For example to feed a 100Vdc brake you must give to the rectifier the voltage of 230Vac.

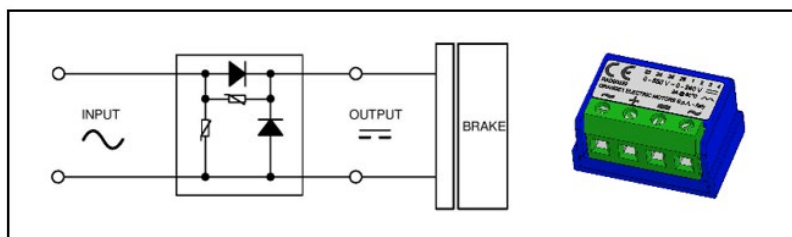


Fig.5

8. MOTOR POWER FEEDING

The drive units VICENZA are equipped with asynchronous motors with specific windings made accordingly to the characteristics of voltage and frequency specified by the Customer.



The motor connection is via a power cord to connect the control panel to the traction unit, by means of its terminal block (Fig.6).



The power cord must be three-pole and hold the ground wire, which shall be connected to the housing of the drive unit.



Failing to connect the ground wire to the ground may damage the motor of the machine and cause the risk of electric shock to the operator.

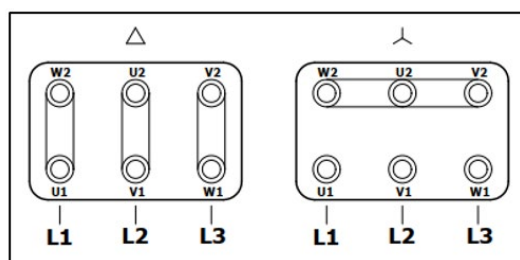


Fig.6

9. LUBRICATION

The drive unit VICENZA are filled with long-life synthetic oil that does not need topping up. In case of necessity due to evaporation or accidental loss, you can add oil through the plugs placed on the gears case.

The maximum oil quantity for these gearboxes is 0,7 l, the oil to be used must be fully synthetic and with a viscosity of 320.

10. EMERGENCY MANUAL MOVEMENT PROCEDURE FOR THE DUMBWAITER IN THE ABSENCE OF POWER SUPPLY

This procedure shall only be carried out by qualified and trained personnel.

1. Completely disconnect the electrical power supply by switching the main disconnect switch to the OFF position and verify that no voltage is present.
2. Ensure that all landing doors are closed and that the work area is safe.
3. Insert the specified size Allen key into the hexagonal socket provided at the rear end of the motor shaft.
4. Operate the gearbox brake release lever, maintaining full control of the lever throughout the entire manual operation.
5. Slowly rotate the Allen key in the direction requiring the least torque, guiding the car until it reaches the desired landing.
6. Once the required position has been reached, gradually release the brake release lever and verify that the brake has fully re-engaged.
7. Remove the Allen key.
8. After confirming that the car is correctly levelled with the landing, open the door and retrieve the load.
9. Keep the installation out of service until the power supply has been restored and the system has been inspected by authorized maintenance personnel.



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