

| <b>PROBLEM</b>                                       | <b>CAUSE</b>  | <b>Solution</b>   |
|--|---|---|
| THE MOTOR DOES NOT WORKS                             | <b>NO VOLTAGE</b>                                     | Check the input voltage with a voltmeter  |
|  | <b>OVERLOAD PROTECTION SWITCHED OFF</b>               | Check with an ammeter that the current is lower than nominal  |
|  | <b>PHASE FAILURE</b>                                  | With the voltmeter, check the three phases on the motor terminals   |
| MOTOR BECOMES VERY HOT                               | <b>ELECTRICAL CONSUMPTION HIGHER THAN THE NOMINAL</b> | Check the right injection pressure, not superior that the one indicated in the module<br>Check the right voltage<br>Check the right connection in the motor connection box delta /wye |
|  | <b>TOO HIGH INPUT VOLTAGE</b>                         | Check with a voltmeter the input voltage  |
|  | <b>PHASE FAILURE (Threephase)</b>                     | With the voltmeter, check the three phases on the motor terminals   |
|  | <b>WORKING FREQUENCY TOO LOW (Only with inverter)</b> | Increase the frequency on the inverter  |
| MOTOR WORKS BUT DOES NOT INJECT                      | <b>THE PUMPS IS NOT PRIME</b>                         | Prime the pump injecting to 0 pressure  |
|  | <b>THE SUCTION FILTER DIRTY</b>                       | Clean it  |
|  | <b>SUCTION OR INJECTION CHECK VALVES DIRTY</b>        | Clean them  |
|  | <b>SUCTION OR INJECTION CHECK VALVES DAMAGED</b>      | Change them   |
| INJECTION FLOW LOWER THAN THE NOMINAL                | <b>SUCTION OR INJECTION CHECK VALVES DIRTY</b>        | Clean them  |
|  | <b>SUCTION OR INJECTION CHECK VALVES DAMAGED</b>      | Change them   |
| THE PUMP LEAKS LIQUID TROUGH THE CYLINDER LOWER HOLE | <b>CYLINDER SEALS DAMAGED</b>                         | Change cylinder seals (See MF102)   |
|  | <b>PISTON DAMAGED</b>                                 | Change it (See MF103)   |
| THE PUMP LEAKS OIL TROUGH THE CYLINDER LOWER HOLE    | <b>OIL BELLOW DAMAGED</b>                             | Change it (See MF104)   |
|  | <b>ROD DAMAGED</b>                                    | Change it   |
| THE PUMP LEAKS OIL TROUGH THE REGULATOR              | <b>REGULATOR ORINGS DAMAGED</b>                       | Change them: 9X1.5  |