ITM INDUSTRIAL PRODUCTS ®

SCREW TYPE AIR COMPRESSORS

OPERATOR'S MANUAL

TM356-10270
(10hp, 270L Tank)

Ver: 1.0

CONTENTS

LIMITED WARRANTY

Industrial Tool & Machinery Sales (hereinafter referred to as ITMS) will, within twelve (12) months from the original date of purchase, repair or replace any goods found to be defective in materials or workmanship.
This warranty is void if the item has been damaged by accident, neglect, improper service or other causes not arising out of defects in materials or workmanship. This warranty does not apply to machines and/or components which have been altered, changed, or modified in any way, or subjected to overloading or use beyond recommended capacities and specifications. Worn componentry due to normal wear and tear is not a warranty claim. Goods returned defective shall be returned prepaid freight to ITMS or agreed repair agent, which shall be the buyer's sole and exclusive remedy for defective goods. ITMS accepts no additional liability pursuant to this guarantee for the costs of travelling or transportation of the product or parts to and from ITMS or the service agent or dealer, such costs are not included in this warranty.

Our goods come with guarantees which cannot be excluded under the Australian Consumer Law. You are entitled to replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

THE MANUFACTURER RESERVES THE RIGHT TO MAKE IMPROVEMENTS AND MODIFICATIONS TO DESIGN WITHOUT PRIOR NOTICE.

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INTRODUCTION

In the event of breakdown or malfunction of the machine, switch it off and do not tamper with it.
If repairs are needed, contact to a technical assistance centre approved by the manufacturer and insist on the use of original spare parts.
Failure to comply with the above may endanger the safety of the machine.

Keep this manual with care for future consultation; the use and maintenance manual is an integral part of the machine.
Read this manual carefully before carrying out any operations on the compressor unit.
The installation of the compressor unit and all operations involving it must be performed in conformity with the regulations in force concerning electric plants and personal safety.

CHARACTERISTICS AND SAFETY PRECAUTIONS

FIG. 1

MACHINE WITH AUTOMATIC START

BEFORE REMOVING THE PROTECTION DEVICES FOR ANY MAINTENANCE WORK ON THE MACHINE, DISCONNECT THE ELECTRICAL POWER SUPPLY.MAKE SURE THAT THERE IS NO INTERNAL RESIDUAL PRESSURE.ALL WORK ON THE ELECTRIC PLANT MUST BE CARRIED OUT BY PROFESSIONALLY SKILLED PERSONNEL.

The manufacturer does not accept responsibility for damage caused as a result of negligence of failure to abide by the instructions given above.

THIS MACHINE IS NOT SUITABLE FOR EXTERNAL INSTALLATION

1.0 GENERAL CHARACTERISTICS

The compressor units use single-stage screw rotary air compressors with oil injection.
The central unit comprises:
compressor; oil separator; oil cooler; fan; electric start; safety and regulation devices; instrument panel.
The system is self-bearing and does not require bolts or other devices to anchor it to the floor.
The unit is completely assembled in the factory; the necessary connections for setting it up are:

- connection to the power mains (see installation chapter)
- connection to the compressed air network (see installation chapter)

The compressor-motor unit is fitted on the machine chassis by means of flexible supports: this allows the compressor unit to be laid directly on the floor without any need of further vibration-damping systems.

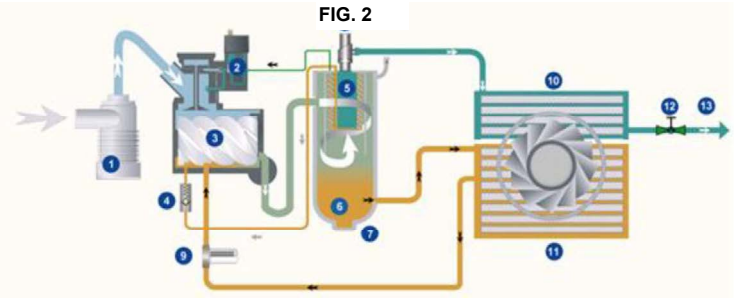
2.0 INTENDED USE

The compressor has been built to supply compressed air for industrial use.
The machine cannot be used in premises where there is a risk of fire or explosion or where work is carried out which releases substances into the environment which are dangerous with regard to safety (for example: solvents, inflammable vapours, alcohol, etc.).
In particular the appliance cannot be used to produce air to be breathed by humans or used on direct contact with foodstuffs. These uses are allowed if the compressed air produced is filtered by means of a suitable filtering system as per the applicable standards.
(Consult the manufacturer for these special uses.)
This appliance must be used only for the purpose for which it was specifically designed.
All other uses are to be considered incorrect and therefore unreasonable.
The Manufacturer cannot be held responsible for any damage resulting from improper, incorrect or unreasonable use.

3.0 OPERATION

The electric motor and the compressor unit are coupled by means of a belt transmission.
The compressor unit takes in the outside air through the unloader. The air taken in is filtered by panel pre-filter fitted on the panel of the external covering and by the suction filter fitted upstream from the unloader. Inside the screw compressor, the air and the lubricating oil are compressed and sent to the air-oil preseparator where the oil is firstly separated from the compressed air; the air-oil mixture is then filtered again by the air-oil separator to reduce the amount of suspended oil particles to a minimum. At this point the oil flow is sent to oil cooler where it is cooled, using a flow of air taken from the environment by a special fan inside the machine.The cooled oil returns to the circuit while the compressed air is sent to the using network.Refer to figure 2.

FIG. 2



1 SUCTION FILTER
2 UNLOADER
3 SCREW COMPRESSOR
4 NON-RETURN VALVE
5 AIR-OIL SEPARATOR
6 OIL
7 AIR-OIL PRESEPARATOR
8 MINIMUM PRESSURE VALVE
9 OIL FILTER
10 AFTER COOLER
11 OIL COOLER
12 BALL VALVE
13 AIR OUTLET

4.0 GENERAL SAFETY STANDARDS

The appliance may be used only by specially trained and authorized personnel.
Any tampering with the machine or alterations are not approved beforehand by the Manufacturer relieve the latter of responsibility for any damage resulting from the above actions.

ATTENTION: UPSTREAM OF THE MACHINE INSTALLAN ISOLATOR KNIFE-SWITCH WITH AN AUTOMATIC CUTOUT AGAINST CURRENT SURGES AND EQUIPPED WITH A DIFFERENTIAL DEVICE FOR CALIBRATIONS SEE WIRING DIAGRAM ON LAST PAGE.

ALL WORK ON THE ELECTRIC PLANT, HOWERE SLIGHT, MUST BE CARRIED OUT BY PROFRSSIONALLY SKILLED PERSONEL.

5.0 DESCRIPTION OF DANGER SIGNALS

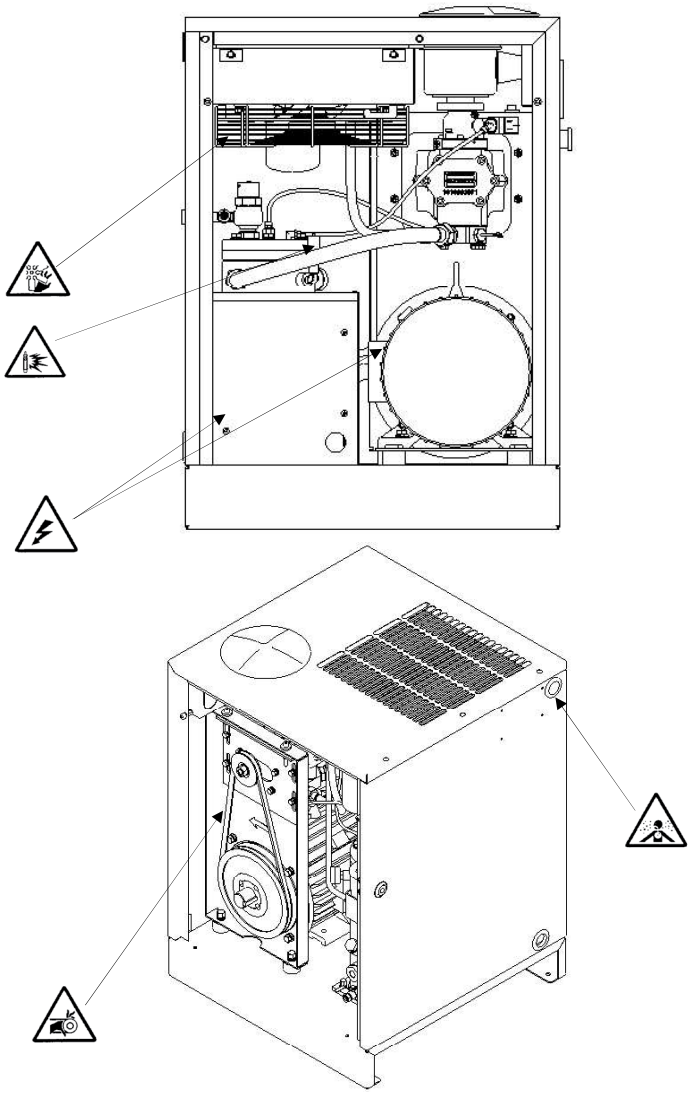
FIG. 3

1) FLUID EJECTION
2) DANGEROUS ELECTRIC VOLTAGE
3) AIR NOT FIT FOR BREATHING
4) NOISE
5) HIGH PRESSURE
6) HOT PARTS
7) MOVING PARTS
8) FAN ROTATING
9) MACHINE WITH AUTOMATIC START

6.0 DANGERS ZONES

Risks present on the whole machine

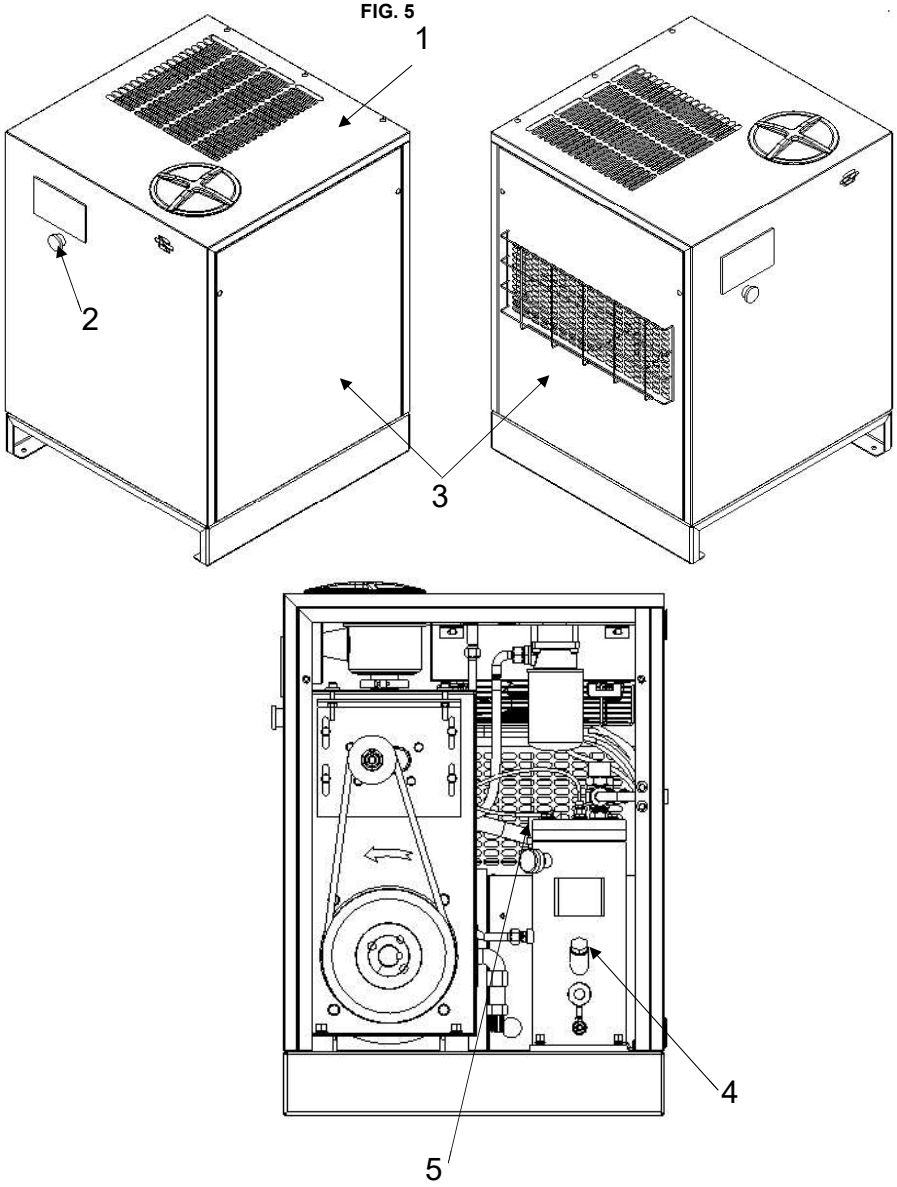
FIG. 4



7.0 SAFETY DEVICES

1) Safety screws
2) Emergency stop
3) Side guard and electric board door can be opened using a internal hexagonal wrench.
4) Oil filling cap (with safety breather)
5) Safety valve

FIG. 5



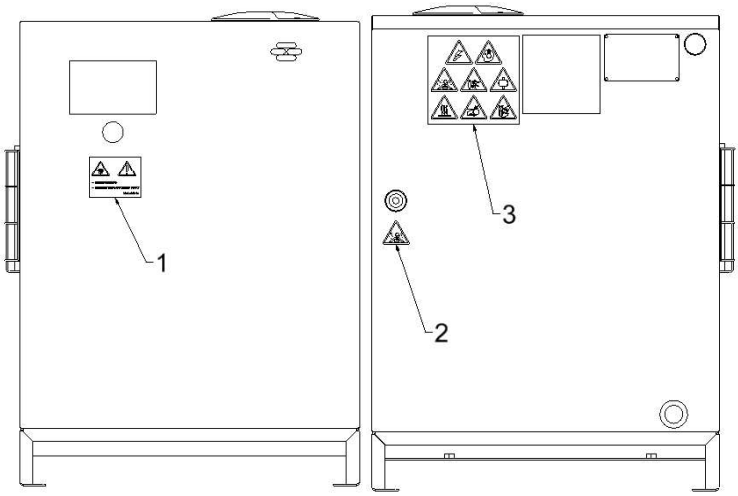
8.0 POSITION OF SIGNS & DATA PLATES

8.1 POSITION OF THE DANGER PLATES

The plates fitted on the compressor unit are part of the machine; they have been applied for safety purposes and must not be removed or spoiled for any reason.

1 Machine with automatic start
2 Air not filt for breathing Code
3 Dangers plate

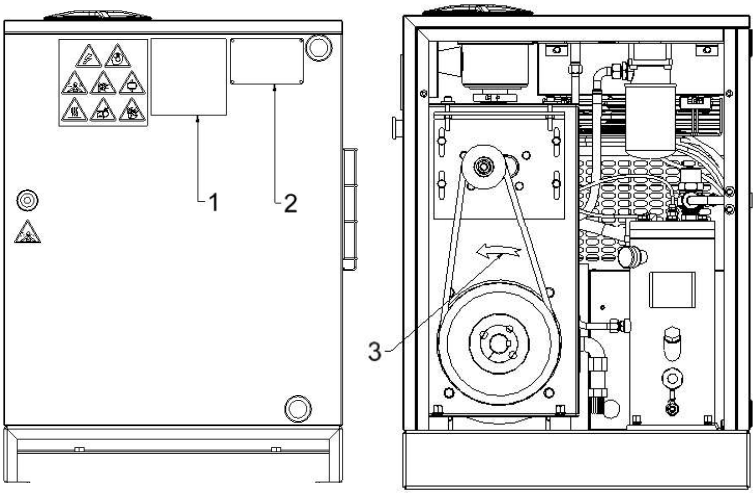
FIG. 6



8.2 POSITION OF THE DATA PLATES

1) Maintenance program
2) Identification plate
3) Rotation Direction

FIG. 7



9.0 COMPRESSOR ROOM

9.1 FLOOR

The floor must be even and of industrial type for the total weight of the machine(Please refer to technical data).
Remember the total weight of the machine when positioning it. (See chapter 13.0)

9.2 VENTILATION

When the machine is operating, the room temperature must not be higher than **40 °C** or lower than **1 °C.**
The volume of the room must be about **30 m^3**
The room must be provided with 2 openings for ventilation with a surface area of about **0,3 m^2** each.
The first opening must be in a high position to evacuate the hot air, the second opening must be low to allow the intake of external air for ventilation.
If the environment is dusty it is advisable to fit a filtering panel for this opening.
The hot air ejected by the compressor may be led outside with a duct.
This duct must have a minimum section of **0,5 m^2** and it must not be longer than **2 m.**
For longer ducts an extra exhaust fan must be fitted.

9.3 EXAMPLES OF VENTILATION OF THE COMPRESSOR ROOM

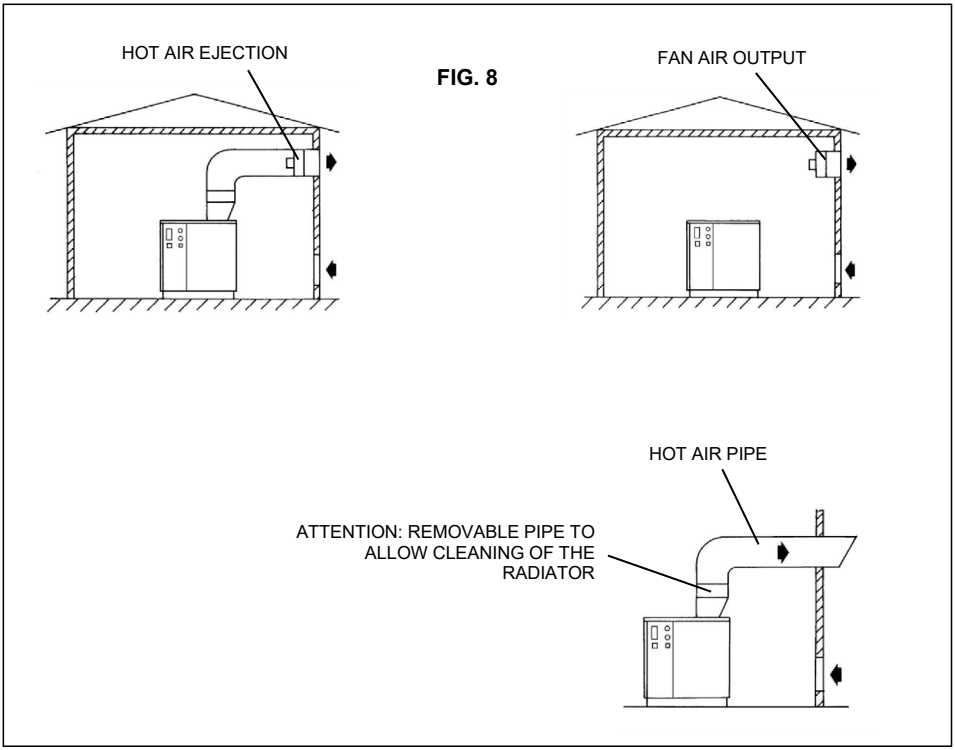


FIG. 8

10.0 TRANSPORT AND HANDLING

IT IS FORBIDDEN TO USE METAL CABLES FOR LIFTING

ATTENTION: DO NOT STAND OR WALK PASS UNDER OVERHEAD WEIGHTS

The machine must be transported as shown in the following figures.

FORK LIFT TRUCK

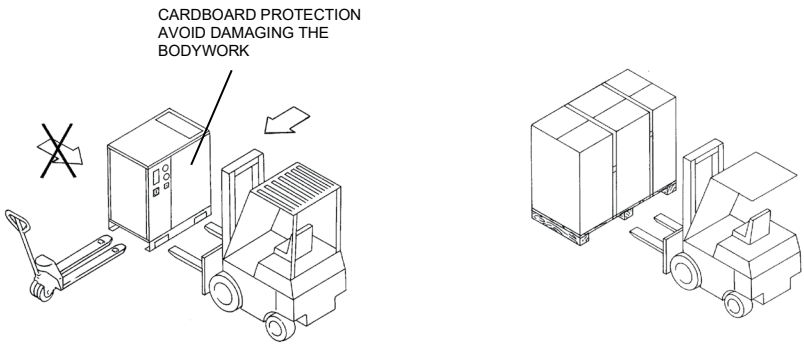


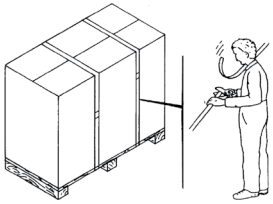
FIG. 9

11.0 UNPACKING

CUTTING THE METAL STRAPPING IS A DANGEROUS OPERATION, SEE FIG.10 DO NOT ABANDON THE CUT PIECES IN THE ENVIRONMENT.

After removing the packing, ensure that the machine has no visibly damaged parts. If you are in doubt, do not use the machine but contact the manufacturer technical assistance service or your dealer. The packing material (plastic bags, polystyrene foam, nails, screws, wood, metal strapping, etc.) must not be left within the reach of children or abandoned in the environment, as they are a potential source of danger and pollution. Dispose of these materials in the approved collection centres.

FIG. 10

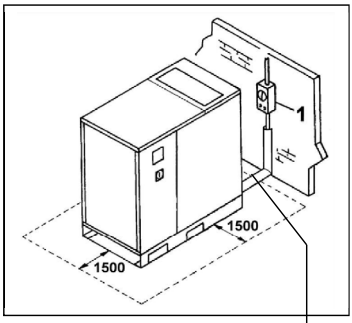


12.0 INSTALLATION

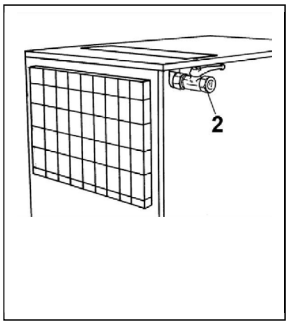
12.1 POSITIONING

After unpacking the equipment and preparing the compressor room, put the machine into position, checking the following items:

- ensure that there is sufficient space around the machine to allow maintenance (see Fig.11).



Protect the power cable with a suitable channel.



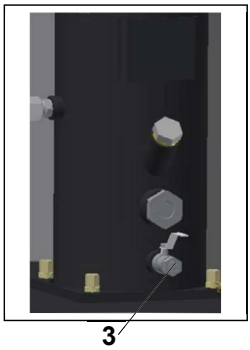


FIG. 11

ENSURE THAT THE OPERATOR CAN SEE THE WHOLE MACHINE FROM THE CONTROL PANEL AND CHECK THE PRESENCE OF ANY UNAUTHORIZED PERSONS IN THE VICINITY OF THE MACHINE.

12.2 ELECTRICAL CONNECTION

- Check that the supply voltage is the same as the value indicated on the machine dataplate.
- Check the condition of the line leads and ensure that there is an efficient earth lead.
- Ensure that there is an automatic cut-out device upstream for the machine against overcurrents,with a differential device (see Ref. 1 wiring diagram).
- Connect the machine power cables with the greatest care, according to the local standards in force. These cables must be as indicated on the machine wiring diagram.
- Connect the cables to the charging clamps on the electric panel and make sure they are properly tightened. After the first 50 working hours, check that the screws on the electric terminals are tight.

ONLY PROFESSIONALLY SKILLED PERSONNEL MAY HAVE ACCESS TO THE ELECTRIC PANEL. SWITCH OFF THE POWER BEFORE OPENING THE DOOR OF THE ELECTRIC PANEL.

COMPLIANCE WITH THE REGULATIONS IN FORCE CONCERNING ELECTRIC PLANTS IS FUNDAMENTAL FOR OPERATOR SAFETY AND FOR THE PROTECTION OF THE MACHINE.

12.3 CONNECTION TO THE COMPRESSED AIR NETWORK

Fit a manual isolation valve Ref. 2 Fig. 11 between the machine and the compressed air network so that the compressor may be isolated during maintenance operations.
Condensate must be drained Ref. 3 Fig. 11 from the oil receiver (manually) in conformity with the local regulations in force.

ALL DAMAGE DUE TO THE FAILURE TO COMPLY WITH THESE INDICATIONS CANNOT BE ATTRIBUTED TO THE MANUFACTURER AND MAY CAUSE INVALIDITY OF THE WARRANTY CONDITIONS.

12.4 STARTING UP

BEFORE CARRYING OUT ANY OPERATION ON THE MACHINE, ENSURE THAT THE ELECTRIC POWER SUPPLY HAS BEEN DISCONNECTED.

12.4.1 PREPARING FOR SETTING UP

After checking everything as indicated in Chap. 12, follow the instructions in Fig. 12.

12.4.2 PRELIMINARI CHECKS

- Check the oil level Ref.1 Fig.12 when supplied the machine is filled with oil;if the oil is not at the correct level, top up with the same oil as the original type.
- If more than 3 months have passed between the inspection in the factory and the date of installation,

lubricate the screw before starting up. Refer to manufacturer or dealer for further instruction:

- If more than 6 months have passed between the inspection in the factory and the date of installation, consult the manufacturer.

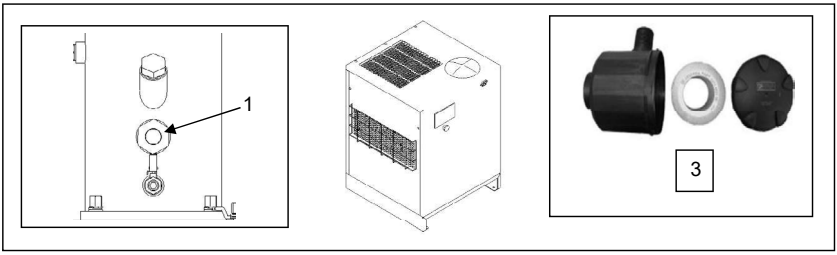


FIG. 12

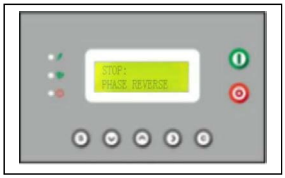


FIG.A

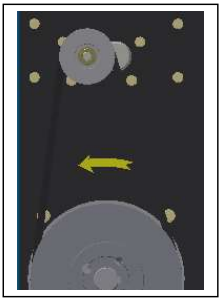


FIG. B

12.4.3 CHECK THE DIRECTION OF ROTATION

- Check that all fixed guards are in their correct position.
- Connect the control board to the power supply with the automatic circuit-breaker.
- Check if controller display "HOST/FAN LACK PHASE" Fig. A.
- If YES there may be lack of phase or wrong sequence.

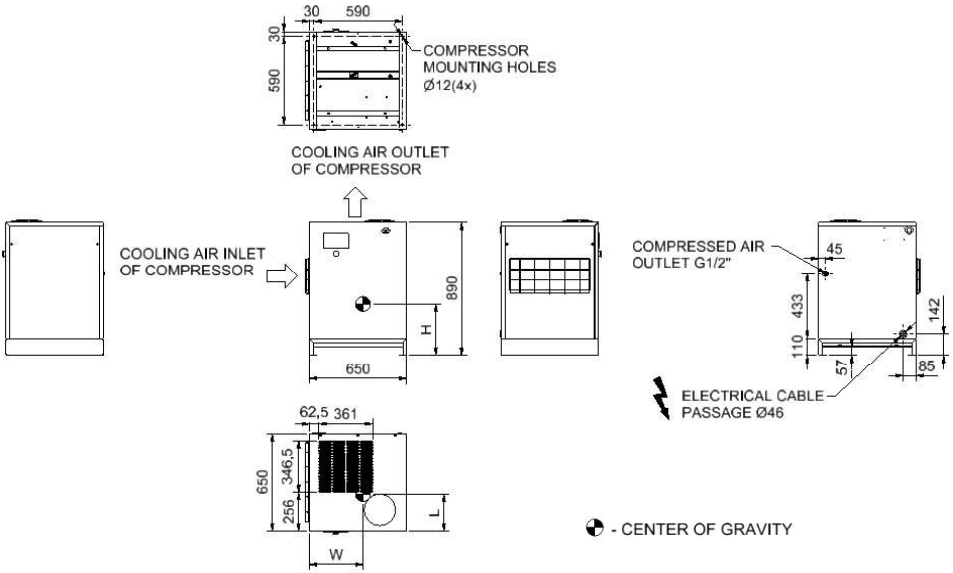
First check if the voltage is stable. If YES then change any two phases.

- If NO Compressor is safe to start (It will be good to check motor rotation direction if possible) Fig. B.

ALL WORK ON THE ELECTRIC PLANT, HOWEVER SLIGHT, MUST BE CARRIED OUT BY PROFESSIONALLY SKILLED PERSONNEL.

IT IS ADVISABLE NOT TO DO ANYTHING ON THE MACHINE CONTROL PANEL.
IF ALL THE INSTRUCTIONS FOUND IN THIS MANUAL HAVE BEEN OBSERVED THE MACHINE CAN BE STARTED.

13.0 DIMENSIONS AND TECHNICAL DATA（4-7.5kw）



COG				
Name	**L(mm)**	**W(mm)**	**H(mm)**	**Weight(kg)**
DME4	308	231	319	130
DME 5.5	280	273	319	160
DME 7.5	277	275	319	167

Motor Power/kW	**4**		**5.5**		**7.5**	
Max. pressure MPa	0.8	1.0	0.8	1.0	0.8	1.0
FAD m3/min	0.51	0.46	0.8	0.65	1.05	0.85
Noiose product.dB(A)	66±2		66±2		66±2	
Net weight kg	130		160		167	
Power input kW	4.4	4.6	6.6	6.2	8.5	8.8
Oil load L	~3.3		~3.3		~3.3	

14.0 MACHINE ILLUSTRATION

14.1 GENERAL LAY-OUT

1 Emergency stop	11 Oil level sight glasses
2 Controller	12 Vessel
3 Air suction filter	13 Oil outlet valve
4 Safety valve(Change the relief valve set point is prohibited)	14 Motor
5 Oil filter	15 Element
6 Minimum pressure valve	16 unloader valve
7 Cooler	17 Thermostat valve
8 Vessel Pressure gauge	18 Cooling fan
9 Oil separator	19 Pre-filter
10 Oil filling cap	22 Converter

*** IT IS FORBIDDEN TO TAMPER WITH THE SETTING VALUES OF THE SAFETY VALVE**

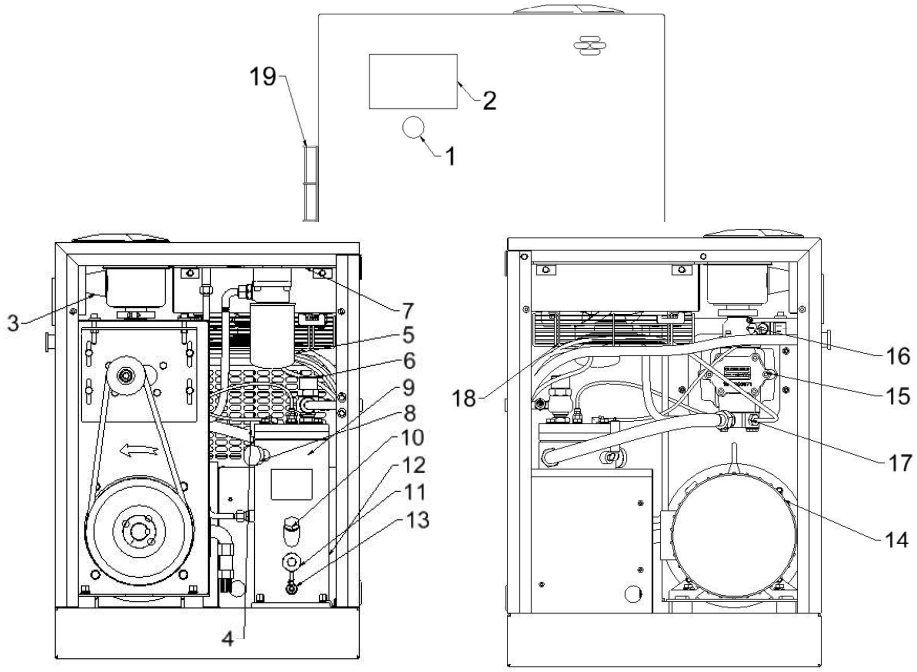


FIG. 13

14.2 COMMAND AND CONTROL PANEL

BEFORE CARRYING OUT THE OPERATION TEST, READ CAREFULLY AND ACQUIRE A GOOD KNOWLEDGE OF THE COMMAND FUNCTIONS.

⚠ NOTICE

⚠ **Please read instruction manual before usage**

⚠ **Installation of AM-100 can be performed only by professional technicians**

⚠ **Assembling position shall be considered carefully during mechanical installation in order to ensure good heat dissipation and reduce electromagnetism interferences**

⚠ **Wiring shall be performed respectively according to regulations for heavy and weak current to reduce electromagnetism interferences**

⚠ **Surge absorber must be communicated with inductive load such as AC contactor of output control of relay**

⚠ **Output wiring shall be inspected carefully before switch on**

⚠ **Earthing terminal of this body part shall be earthed correctly (the third type of earthing) to increase product's capacity of resisting signal noise.**

FIG. 14

Features：

- **LCD Chinese / English display**
- **With control functions of starting, stopping and operation for motor.**
- **With protection functions of preventing reverse rotation of air compressor.**
- **Temperature measurement and control**
- **Automatic adjusting of rate of load and controlling of pressure balance**
- **Selections of remote and local control**

14.2.1 Basic Operation

1、Button Explanation

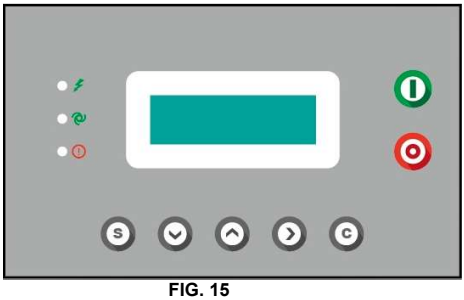


FIG. 15

——Start Button: Press this button to start the compressor.

——Stop button：Press this button to stop the compressor.

——Set Button/ Loading / unloading Button: After modification, press this to confirm and save modified data；When the compressor is running ,press this button to load or unload under a certain pressure.

——Move up button/increase button: Data at current position is increased by pressing this button when data are modified; Menu is moved upwards when menu is selected.

——Move down button / Descending button: Data at current position is descended by pressing this button when data are modified; menu is moved downwards when menu is selected.

——Shift button /Enter button: This button services as shift button when data are modified and services as enter button when menu is selected.

——Back button / Reset button: This button services as back button when blowsing through menu to come back to parent menu. Resetting is carried out by pressing this button for a little long time when failure / shutdowns occur.

2、Indicator instructions

——Power：After controller power on, power LED light

——Run：Compressor operation，run LED light.

——Alarm：Early warning, the fault light flashes; fault shutdown, fault lights lit, clear fault, reset off.

3、Display of status and operations

The display screen will be as follow when the units are powered on:

SCREW COMPRESSOR

After power on, screen show this page

After 5 seconds, the main page will show up as:

PRES: 0.60MPa SYS STOP C01

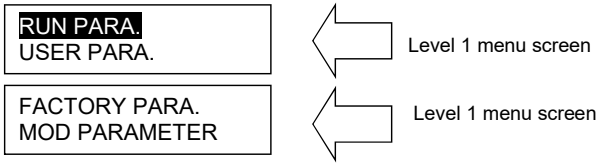
Main page

Press shift button, the main page will show up as:

TEMP: 80℃ SYS STOP C01

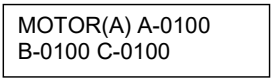
Main page

Press "Move down button" to enter into Menu Selection Interface:



4、Operating parameters

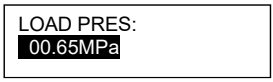
Press "Move down button" or "Move up button" to move the black cursor to "RUN PARA.", press enter button to pop up submenu:



Continuously press "Move down button" you can see run parameters and run state parameters as follows:
Fan current, Total run time, Total load time, This run time, This load time,Oil filter time, O-a filter time, Air filter time, Lube time, Grease time, Belt time……etc.

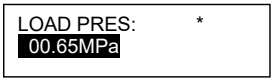
5、User Parameter (Customer Parameter):

In primary menu,, press the move button to move the black slider to the "USER PARA" menu, press the shift button to switch to the following menu:



In this menu, Press shift button ， Switch to the following interface requirements to enter a user password

After showing this interface，The first bit data of password started flashing，press "increase button" or "descending button" to modify the flashing data equal to the first bit of password，Press the shift button, move the cursor to the next data bit,similarly modify the third and fourth Finally, press the "Set button" to confirm the input.The system verify the password is correct, switch to the following interface:



The upper right corner with "* "prompt said the System has passed the password authentication

When in this menu(as shown above), press "enter button" , then the data of loading pressure start to flash, users can press "increase button" or "Descending button" to modify the data. When finished, press "Set Button" to confirm and save. the controller will keep to confirm.

14.2.2 Early-Warning and Prompts

1. Indication of early warning of oil filter

The Text displays "**OIL FILTER LIFE END**" when the using time of the oil filter terminates.

2. Indication of early warning for air filter

The Text displays "**AIR FILTER LIFE END**" when the using time of the oil filter terminates.

3. Indication of early warning for oil separator

Text displays "**O/A FILTER LIFE END**" when the using time of the oil separator terminates.

4. Indication of early warning for lubricating oil

   The Text displays "**LUBE LIFE END**" when the using time of the lube terminates.

5. Indication of early warning for grease

   The Text displays "**GREASE LIFE END**" when the using time of the grease terminates.

6. Indication of early warning for belt

   The Text displays "**BELT LIFE END**" when the using time of the belt terminates.

7. High air temperature warning

   Controller detects the air temperature high, the text display "**HIGH TEMPERATURE**"

14.2.3 Protection Functions of Controller

1. Motor protection

The air compressor controller provides all-round protection functions of short-circuit, locking, phase failure, overload, imbalance for motor.

Electronic failure	Failure Display	Reason
Short circuit	Display failure "HOST/FAN SHORT"	Wrong setting of short circuit or rated current
Blocked	Display failure "HOST/FAN BLOCK"	Too large load, bearing wear and other mechanical failure
Overload	Display failure "HOST/FAN OVER CARRY"	Too large load, bearing wear and other mechanical failure
Phase failure	Display failure "HOST/FAN LACK PHASE"	Power supply, contactor or phase failure of motor
Unbalance	Display failure "HOST/FAN UNBLANCE"	Poor contact of contactor, inside open-loop of motor

2. Element outlet Over-Temperature Protection

When the element outlet temperature is higher than the upper limit of set temperature, the controller will stop the machine,The display will show "**HIGHT T**".

3. Non-reversing Protection of Air Compressor

When three-phase supply phase sequence connected to the air compressor is not the same with that set for the controller, the failure is displayed as "**PHASE REVERSAL**", as a result, the controller cannot start up the motor. Then just change any arbitrary two-phase power lines leading to check the rotation of motor.

4. Overpressure Protection of Pressure Supply

When the air discharge pressure is higher than the upper limit of set pressure, the controller will stop the machine, the failure is displayed as "**HIGH P**".

5. Malfunction of protection sensor

When pressure sensor or temperature sensor is disfunctional, the controller will stop the machine. the failure is displayed as "****SENSOR FAULT**".

14.2.4 Removal of Common Failures

1. Failures Review

When a fault occurs, the controller in the main interface displays the current fault content. For example, when the pressure sensor failure, it displays the following interface:

STOP:
P SENSOR FAULT

2. Common Failures and Causes

Failure	Reason	Disposal method
Air Exhaust Temperature too high	Bad vent condition, Oil lacking etc.	Check the vent condition and lubricant amount etc.
Temperature Sensor Failure	Cable off or PT1OO damaged	Checking the wiring and PT100
Over Pressure	The pressure too high or the pressure sensor failure	Check the pressure and the pressure sensor
Pressure Sensor Failure	Cable or Sensor damaged or incorrect cable connection.	Check the wiring and sensor
Lack Phase	Power phase lacking or the Contactor terminal damaged	Check the power and contactors
Overloaded	Voltage too low, cooler blocked, Bearing Wear off or other mechanical failure or wrong set data etc.	Check the set data, Voltage, motor bearings, cooler and other mechanical system.
Unbalance	Power unbalance, Contactor damaged or the internal short-circuit of the motor	Check the power, contactors and the motor
Rotor Lock	Voltage too low, pipes blocked, Bearing Wear off or other mechanical failure or wrong set data etc.	Check the set data, Voltage, bearings, pipes and other mechanical system.
Short Circuit	Wrong Wiring, Incorrect Data setting etc.	Checking the wiring and set the data correctly
Wrong Phase Sequence	Reversed Phase sequence or phase off	Check the wiring
Overload or Rotor locking during starting process	Host start time set to a value less than the star - delta time delay	Reset the host starting time to be longer than star-delta delay + Load delay time
Main Contactor activate time to time	The emergency button loose	Check the wiring
Air Exhaust Temperature too high	Bad Ventilation, Low Oil etc.	Check the vent condition and Oil level etc.
Temperature Sensor Failure	Cable off or PT1OO damaged	Checking the wiring and PT100
Over Pressure	The pressure too high or the pressure sensor failure	Check the pressure and the pressure sensor

14.2.5 Maintenance Alarm

We have set an alarm to remind for ordinary maintenance.
When reaching the maintenance cycle, the corresponding maintenance alarms will appear on the display. After the implementation of maintenance related to the content, the controller has to be reset

Process as follows:

Starting from the main screen (see main menu):
1. Press the down button until the "user parameter" menu.
2. Press the right button to activate the submenus of the user menu
3. Press the down button to"maintenance timer reset" for
   Oil Filter, Oil/Air Filter, Air Filter, Lube, Grease, Belt
4. Select Parameter & re-set to 0000.
5. Confirm the Reset.

Note: Check (15.2) MAINTENANCE SCHEDULE for componets to be changed at respective service interval.

15.0 MAINTENANCE

BEFORE CARRYING OUT ANY MAINTENANCE JOBS IT IS OBLIGATORY TO STOP THE MACHINE AND DISCONNECT IT FROM THE POWER MAINS.

The ■ maintenance jobs described in this chapter may be carried out by the user.
The more complex ■■ maintenance jobs require professionally skilled personnel to carry out.

15.1 GENERAL INFORMATION

Routine maintenance must be carried out according to the maintenance schedule displayed on the machine.

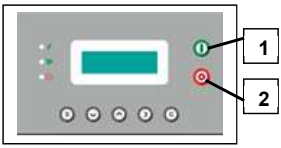
15.2 DRAINING CONDENSATE FROM THE OIL TANK

If the compressor work cycle contemplates long pauses during which the machine cools down, a certain amount of condensate may collect in the oil tank. This happens, for example, when stopping overnight or at weekends.

The condensate must be drained off every 50 hours or every week. This operation may be performed only when the machine is cold, that is when it has been switched off for at least 8 hours.

BEFORE DRAINING THE CONDENSATE IT IS OBLIGATORY TO STOP THE MACHINE AND DISCONNECT IT FROM THE POWER MAINS.

Proceed as follows:
- Press the "STOP" button Ref. 2 Fig. 16.



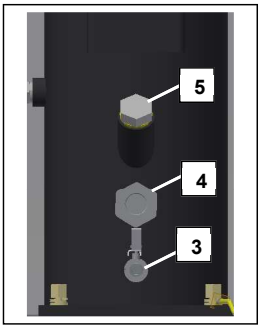


FIG. 16

- Wait for the machine to cool down.
- Remove the panels with the key provided.
- SLOWLY turn on the tap Ref. 3 Fig. 16 and let the condensate flow out.
- When the first traces of oil appear, turn off the tap.

CONDENSATE MUST BE DISPOSED OF IN CONFORMITY WITH THE LOCAL REGULATIONS IN FORCE.

- Check the oil level on the indicator Ref. 4 Fig. 16.
- If the oil level is low, top up as described in 15.4.

USE OIL OF THE SAME TYPE AS THAT ALREADY IN THE MACHINE; DO NOT MIX DIFFERENT TYPES OF OIL

15.3 MAINTENANCE SCHEDULE

■ **OPERATIONS THAT MAY BE CARRIED OUT BY THE USER**
■ **OPERATIONS THAT REQUIRE SKILLED PERSONNEL**

These maintenance intervals are recommended for work environments that are not dusty and are well ventilated.

For particularly dusty environments, double the frequency of intervals.For more information please contact manufacturer or nearest dealer

Running time	Plan		Content
Every 50 hours (Daily/Weekly)		■	Check the temperature reading.
		■	Check the oil level
		■	Clean the filtering panel
		■	Check for possible air or oil leaks.
Every 500 hours (OR monthly)	**A**	■	Clean the air suction filter **(see control board LED)**
		■ ■	Check belt tension
		■	Drain condensate from separator tank
Every 2000 hours (OR 1/2 Year)	**B**	■ ■	Change the oil **(see control board LED)**
		■ ■	Change the oil filter **(see control board LED)**
		■	Change the suction filter **(see control board LED)**
		■ ■	Clean the finned surface of the air-oil cooler
		■ ■	Change the oil separating filter **(see control board LED)**
		■ ■	Top up Grease on Motor **(see control board LED)**
Every 4000 hours (OR 1 Years)	**C**	■ ■	All maintenance content of plan B
		■ ■	Test the emergency stop function
		■ ■	Change the belt
		■ ■	Test the safety valve (or one year, whichever is first)
Every 8000 hours (OR 2 Years)	**D**	■ ■	All maintanence contents of plan C
		■ ■	Change the suction valve service
		■ ■	Change the MPV service
		■ ■	Change the check valve
		■ ■	Clean the oil carbon (using the company's proprietary carbon cleaning agents)
Every 12000 hours (OR 3 Years)	**E**	■ ■	All maintanence contents of plan C
		■ ■	Check the bearing of the motor.
Every 20000 hours (OR 4 Years)	**F**	■ ■	All maintanence contents of plan C
		■ ■	Test and change the motor bearings
		■ ■	Check the Air End bearings.

BEFORE CARRYING OUT ANY MAINTENANCE JOBS IT IS OBLIGATORY TO STOP THE MACHINE AND DISCONNECT IT FROM THE POWER MAINS.

15.4 CHECK OIL LEVEL AND TOP UP

- Switch off the machine using the button Ref. 2 Fig. 16: the machine will stop after running unloaded for few seconds.
- Wait a few minutes for the foam in the air/oil separtor tank to abate (check sight glass).
- Check the oil level on the indicator Ref. 4 Fig. 16
- If the oil level is under the minimum, top up.

USE OIL OF THE SAME TYPE AS THAT ALREADY IN THE MACHINE; DO NOT MIX DIFFERENT TYPES OF OIL.

BEFORE CARRYING OUT ANY OPERATION ON THE MACHINE, ENSURE THAT THE ELECTRIC POWER SUPPLY HAS BEEN DISCONNECTED.

Proceed as follows to top up (see 18.0 for oil part number)
- Open the front panel with the special key
- Slowly open the oil plug Ref. 5 Fig. 16
- Top up to maximum level Ref. 4 Fig. 16, with oil of the same type in the compressor.
- Turn off the cap of the oil tank Ref. 5 Fig. 16.
- Close the panel.

Note: If the oil has turned Creamy in Color contaminated with Condensate, Immediately contact dealer or Manufacturer, Do not operate the machine

15.5 CLEANING THE FILTERING PANEL
- Press the "STOP" button Ref. 2 Fig. 16
- Press the "EMERGENCY STOP" Ref. 5 Fig.5.
- Turn power off from the mains.
- Clean the filtering panel with a jet of air or wash it with water, **do not use solvents.**
- Once the operation has been completed, re-assemble the filter panel. Turn the power on.

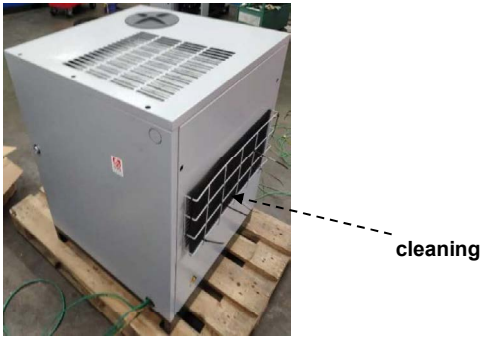


FIG. 17

15.6 CLEANING THE SUCTION FILTER OR CHANGING THE FILTER

- Press the "STOP" button Ref. 2 Fig. 16
- Press the "EMERGENCY STOP" Ref. 5 Fig. 5.
- Turn the power off from the mains.

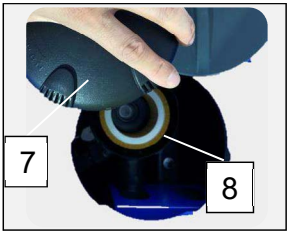


FIG. 17a

HOT PARTS INSIDE

- Remove the cover Ref. 7 Fig. 17a.
- Remove the filter Ref. 8 Fig. 17a.

AVOID DROPPING FOREIGN BODIES INTO THE SUCTION MANIFOLD.

- Clean the filter with a jet of air, working from inside to outside.
  DO NOT USE WATER OR SOLVENTS. Fit a new filter if required.
- Clean the disk on which the filter rests with a clean cloth.
- Fit the filter and the cover.
- Dispose of the old filter in conformity with the local regulations in force.

15.7 CHANGING THE OIL (see 18.0 part number for oil.)

BEFORE CARRYING OUT ANY MAINTENANCE JOBS IT IS OBLIGATORY TO STOP THE MACHINE AND DISCONNECT IT FROM THE POWER MAINS AND FROM THE COMPRESSED AIR DISTRIBUTION NETWORK.

Oil changing is an important operation for the compressor:
The oil must be changed when the machine is still warm, that is immediately after stopping it.
The suggestions listed below should be carefully followed.
After draining the old oil out of the machine Ref. 2 Fig. 18.

- Completely fill the oil collector , observe level on sight glass Ref. 1 Fig. 18.
- Start the compressor.
- After about 1 minute switch off the machine by pressing "STOP" (Ref. 2 Fig. 16).
  (machine will switch off after a few seconds of idle running.)

AFTER THIS STEP PROCEED AS DESCRIBED IN CHAPTER 15.4

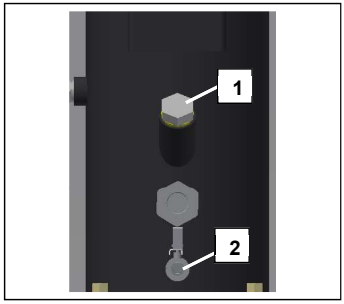


FIG. 18

THE OLD OIL MUST BE DISPOSED OF IN COMPLIANCE WITH THE REGULATIONS IN FORCE.

NOTE ON LUBRICANTS
When delivered the machine is filled with oil;
In normal conditions of use, these lubricants have proved to be able to withstand use for as many as 4.000 hours.

However, due to the external polluting agents that get into the compressor with the air suction, it is advisable to change the oil at more frequent intervals, as indicated on the routine maintenance chart.

If the compressor is being used at high temperatures (continuous operation above 90 °C) or in particularly severe conditions, we advise changing the oil at shorter intervals than those recommended in the maintenance chart.

DO NOT TOP UP WITH DIFFERENT OILS

15.8 REPLACING THE OIL SEPERATOR ELEMENT AND OIL FILTER

BEFORE CARRYING OUT ANY MAINTENANCE THE MACHINE MUST BE STOPPED, CUT OFF THE MACHINE FROM THE ELECTRICAL MAINS AND FROM THE COMPRESSED AIR DISTRIBUTION CIRCUIT, CHECK THAT THE MACHINE IS NOT UNDER PRESSURE.

Before proceeding with the replacement of the de-oiler filter or the oil filter check that there is no pressure in the machine: check the pressure gauge Ref. 1,2 Fig. 19.
- Lubricate the filter seals with a little oil before fitting.
- Tightening must be done by hand.

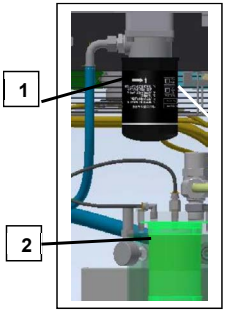


FIG. 19

15.9 BELT CHANGE AND TENSIONNING

BEFORE CARRYING OUT ANY MAINTENANCE THE MACHINE MUST BE STOPPED, CUT OFF THE MACHINE FROM THE ELECTRICAL MAINS AND FROM THE COMPRESSED AIR DISTRIBUTION CIRCUIT, CHECK THAT THE MACHINE IS NOT UNDER PRESSURE.

Tightening or retightening new belts
Proceed as follows :
- Remove the panel on belt canopy Ref. 1 Fig. 20.
- Slacken the adjust bolts Ref. 2 Fig. 20.
- Turn motor pulley and remove the belt one by one Ref. 3 Fig. 20.
- Turn motor pulley and install new belt one by one Ref. 3 Fig. 20.
- Adjust the belt tension.(Please take the table of belt tension as reference)
- Close the bolts again Ref. 2 Fig. 20.
- Refit the panel on Belt Canopy Ref. 1 Fig. 20.

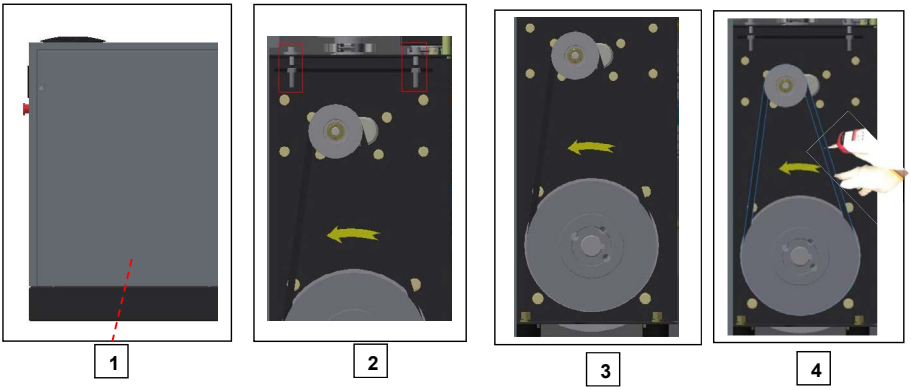


FIG. 20

Model	Working	Code	Qty of	Frequency of new belt (hz)	Frequency of old belt (hz after test)
DME 4	8	1625 1739 48	1	86±3	75±3
DME 4	10	1625 1739 48	1	87±3	76±3
DME 5.5	8	1625 1643 31	1	96±3	84±3
DME 5.5	10	1625 1643 32	1	95±3	83±3
DME 7.5	8	1641 0015 39	2	100±3	88±3
DME 7.5	10	1625 1643 33	1	110±3	100±3

16.0 PERIODS OF INACTIVITY

If the machine has to remain inactive for a long period:
- Press the "STOP" button Ref. 1 Fig. 15
- Press the "EMERGENCY STOP" Ref. 2 Fig. 15.

During periods of inactivity the weather must be protected against atmospheric agents, dust and humidity which could damage the motor and the electrical system.
To restart the machine after periods of inactivity, consult the manufacturer.

17.0 SCRAPPING THE UNIT

If the machine is to be scrapped, it must be dismantled into parts of the same material, to be disposed of according to the local regulations in force.

ALWAYS RESPECT THE REGULATIONS IN FORCE FOR DISPOSING OF OLD OIL AND OTHER POLLUTING MATERIALS SUCH AS SOUND-DEADENING, FOAM, ETC.

18.0 LIST OF SPARE PARTS FOR ROUTINE MAINTENANCE

Code	DESCRIPTION	4 kW	5.5 kW	7.5 kW
1641 0015 06	Pre-foam	■	■	■
1625 1907 62	Suction filter	■	■	■
1641 0018 24	Suction filter core	■	■	■
1625 1907 65	Oil filter	■	■	■
1625 1907 79	Oil seperate element	■	■	■
1625 1907 35	Unloader	■	■	■
1625 1708 50	MPV service kit	■	■	■

Oil-Fluidtech
4L——1630 1450 04

19.0 TROUBLE-SHOOTING AND EMERGENCY REMEDIES

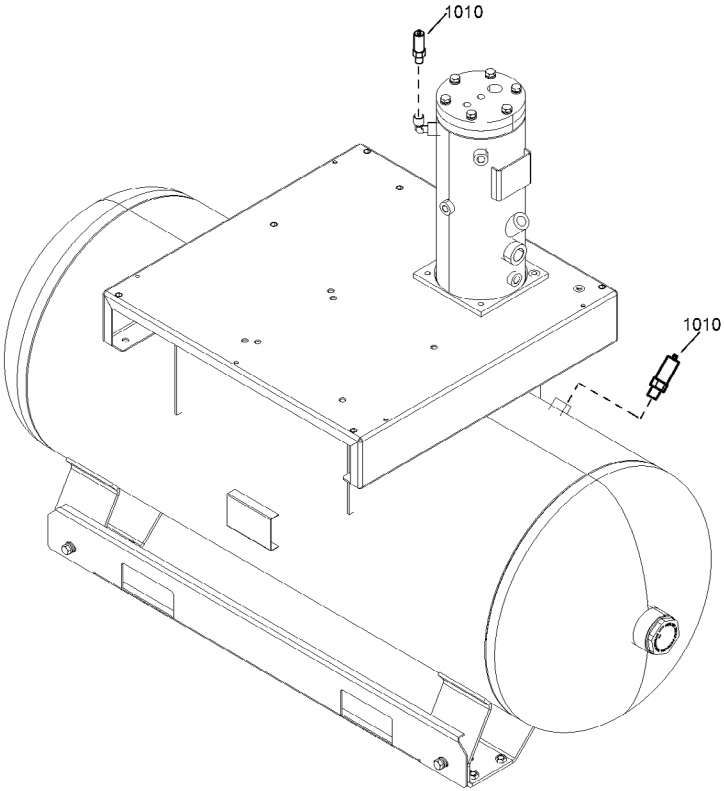
N.B. OPERATIONS MARKED ■ ■ MUST BE CARRIED OUT BY PROFESSIONALLY SKILLED PERSONNEL APPROVED THE MANUFACTURER.

FAULT FOUND	POSSIBLE CAUSES	OBSERVATIONS
1) The machine does not start	**1A** - no power **1B** - the transformer protection device has tripped	- check the power supply line, Chapter 12.2 - replace fuses
2) The machine does not start the pilot lamp Ref. 1 (F) is flashes (see Fig. A)	**2A** - the main motor protection device has tripped	- reset the automatic switch that protects the fan
3) The machine does not start the pilot lamp Ref. 2 (D) is flashes (see Fig. A)	**3A** - the oil high temperature thermostat has tripped	- environment temperature too high; improve ventilation in the compressor room, Chapter 9.2 ■ ■ - cooling radiator is dirty, clean the radiator - oil level too low; top up the oil tank
4) The compressor does not reach working pressure	**4A** - the compressed air consumption is too high **4B** - the discharge electrovalve remains open, Ref. EV/SC wiring diagram	■ ■ - check the electric system
5) Excess oil consumption	**5A** - deteriorated oil separating filter oil level is too high	■ ■ - change the oil separating filter

Service Kits

Ref	Part Number	Qty	Name
	1641 0016 35	1.00	SERVICE KIT
•	1641 0018 24	1	AIR FILTER CORE
•	1625 1907 65	1	OIL FILTER 40L 1-12UNF-2B
•	1625 1907 79	1	FILTER OSE D90X135 (INTERNAL)
•	1630 1450 04	1	OIL ROTAIR PLUS 4L

Safety Valve - Tank Mounted

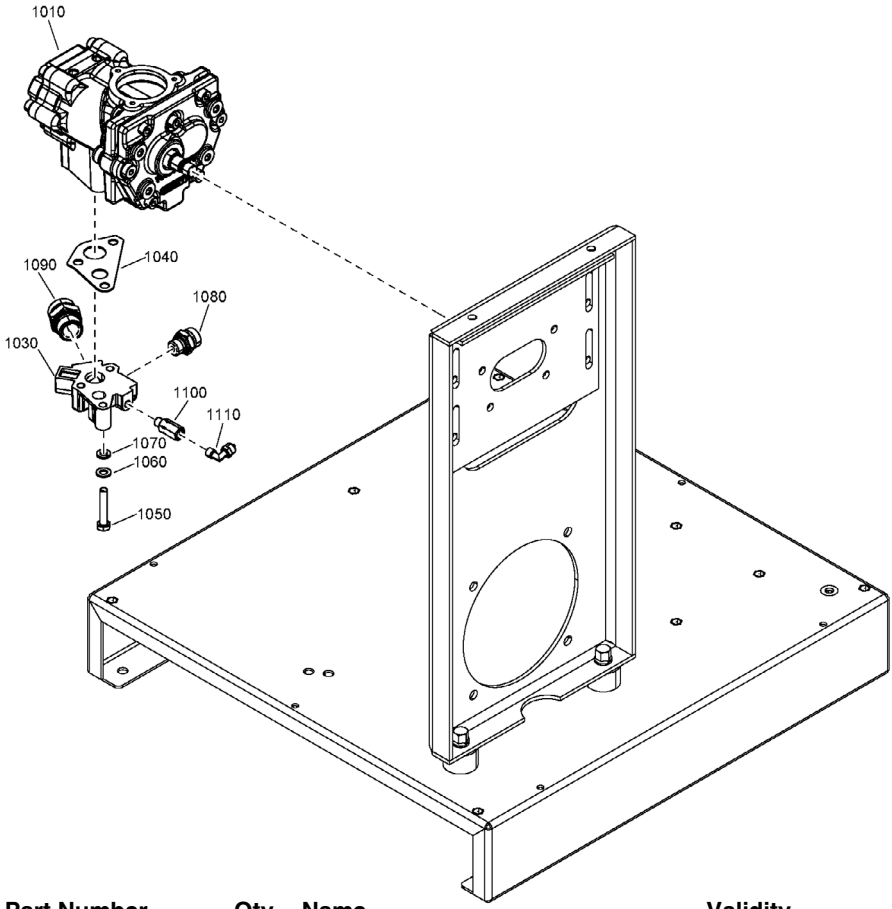


Ref	Part Number	Qty	Name	Validity
1010	1625 1907 73	2	SAFETY VALVE	**(19/08/2020 - ...)** PRESS:8BAR
1010	1625 1907 74	2	SAFETY VALVE	**(19/08/2020 - ...)** PRESS:10BAR

Legend:

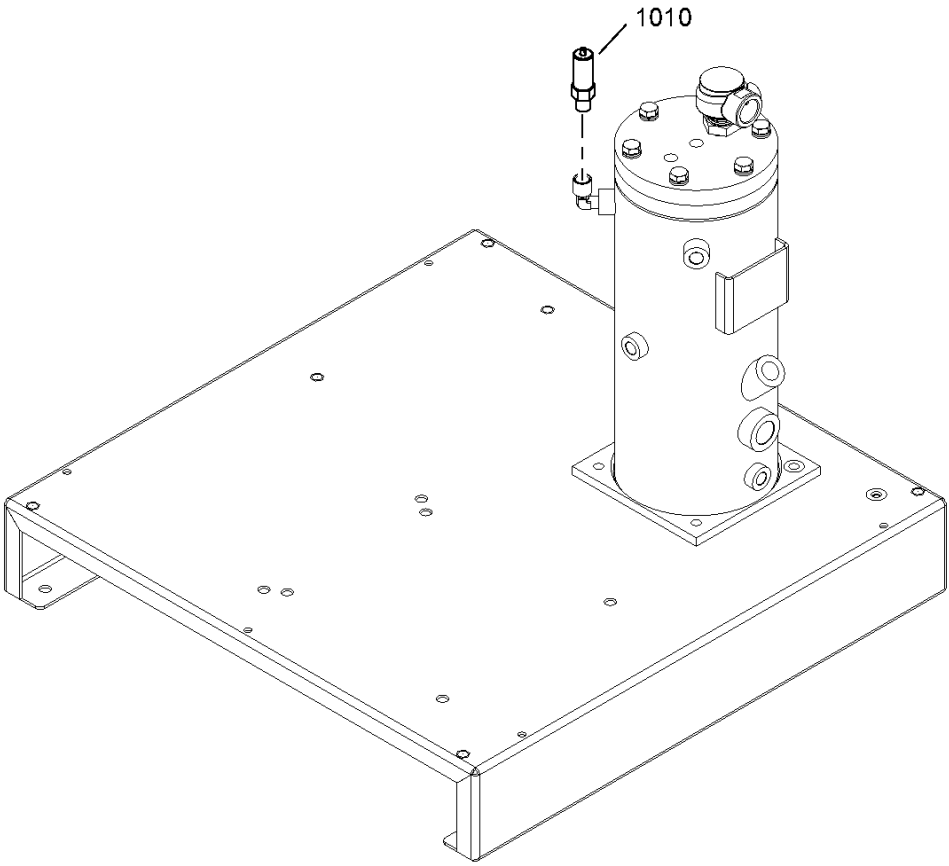
MDVAR:TANKMOUNT - Variant:Tank Mounted | PRESS:10BAR - Working pressure:10 bar | PRESS:8BAR - Working pressure:8 bar

Element



Ref	Part Number	Qty	Name	Validity
1010	~~1616 9034 80~~	1	ELEMENT	**(09/04/2020 - ...)**
	Substituted by:	1616 9034 90 - - (quantity: 1)		
1030	1641 0024 44	1	DISCHARGE BLOCK	**(28/10/2020 - ...)**
1040	1625 1908 48	1	DISCHARGE BLOCK GASKET	**(09/04/2020 - ...)**
1050	0211 1331 00	3	SCREW	**(09/04/2020 - ...)**
1060	0301 2335 00	3	WASHER	**(09/04/2020 - ...)**
1070	0333 2174 27	3	SPRING WASHER	**(09/04/2020 - ...)**
1080	1625 1907 66	1	NIPPLE	**(09/04/2020 - ...)**
1090	1625 1808 79	1	NIPPLE	**(09/04/2020 - ...)**
1100	1641 0000 19	1	NON RETURN VALVE	**(09/04/2020 - 22/02/2021)**
1100	1625 1858 37	1	NON RETURN VALVE	**(23/02/2021 - ...)**
1110	2205 4335 03	1	NIPPLE	**(09/04/2020 - ...)**

Safety Valve - Floor Mounted



Ref	Part Number	Qty	Name	Validity
1010	1625 1907 73	1	SAFETY VALVE	**(09/04/2020 - ...)** PRESS:8BAR
1010	1625 1907 74	1	SAFETY VALVE	**(09/04/2020 - ...)** PRESS:10BAR

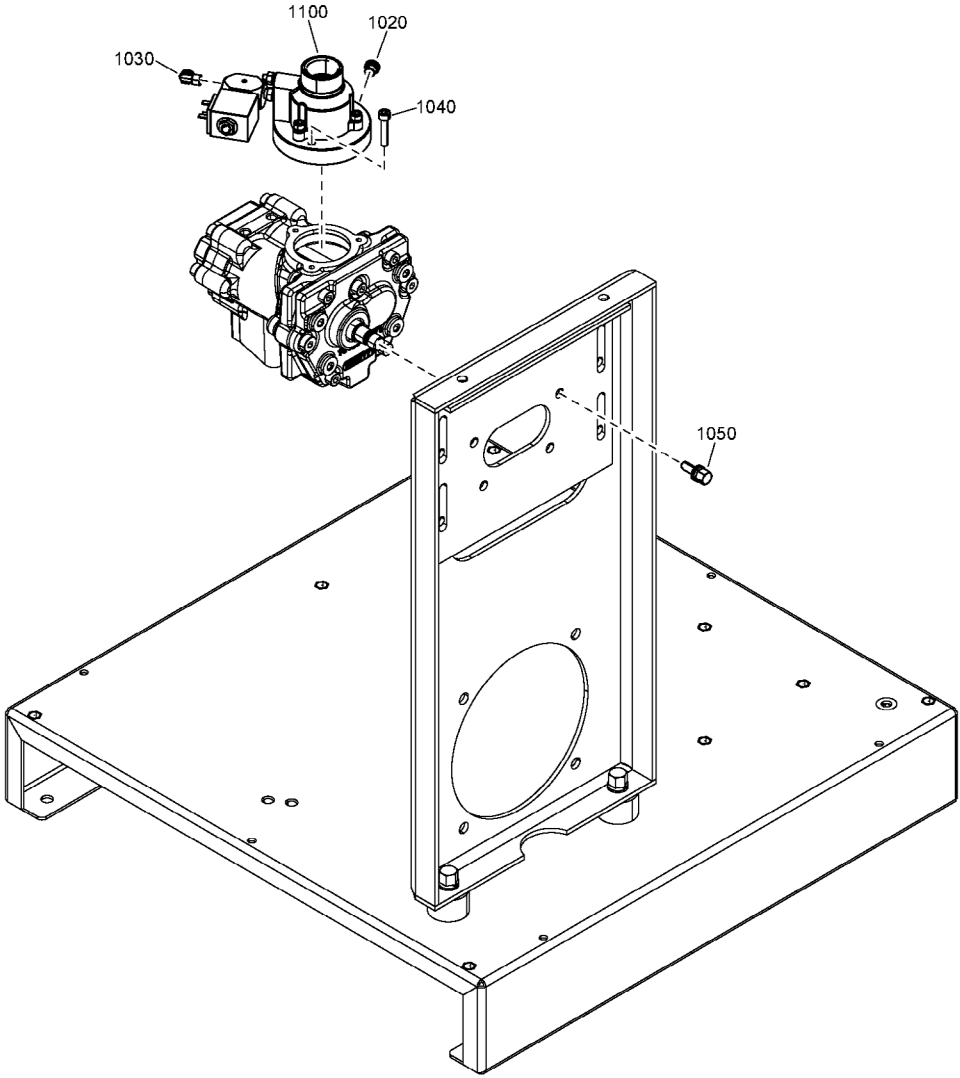
Legend:

MDVAR:FMOUNTED - Variant:Floor Mounted

PRESS:10BAR - Working pressure:10 bar

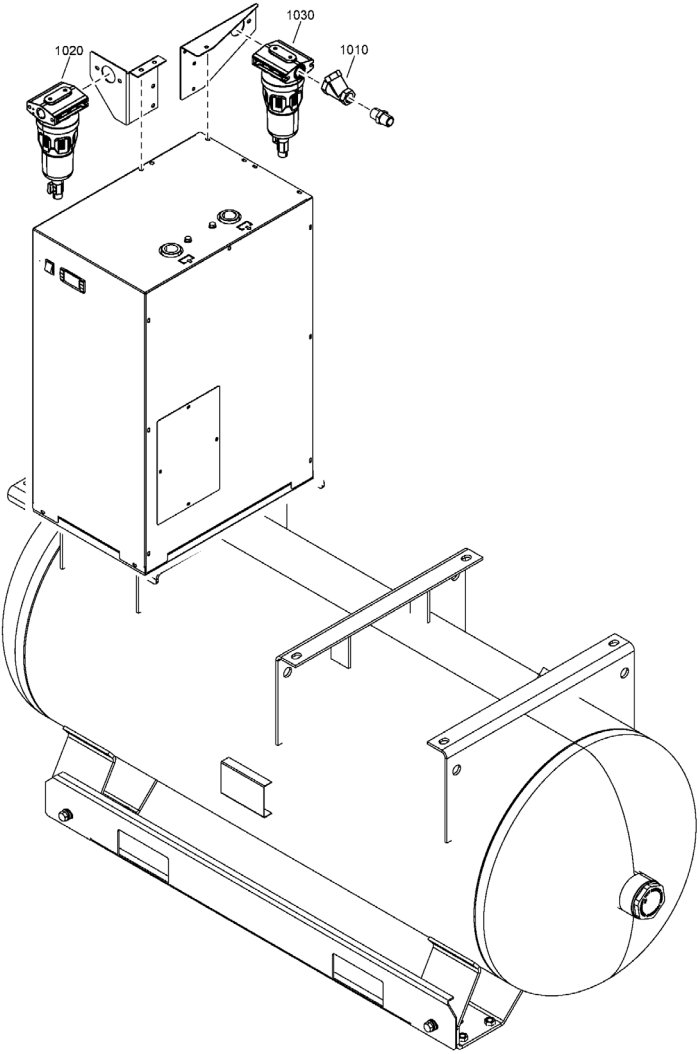
PRESS:8BAR - Working pressure:8 bar

Unloader Assembly



Ref	Part Number	Qty	Name	Validity
1020	1625 1672 60	1	PLUG	(13/04/2020 - ...)
1030	1641 0024 30	1	FAST COUPLING	(15/07/2020 - ...)
1040	0211 1250 00	3	SCREW	(09/04/2020 - ...)
1050	1625 1770 69	4	TAPPING BOLT	(09/04/2020 - ...)
1100	1625 1907 35	1	UNLOADER VALVE	(12/06/2020 - ...)

Filter Assembly

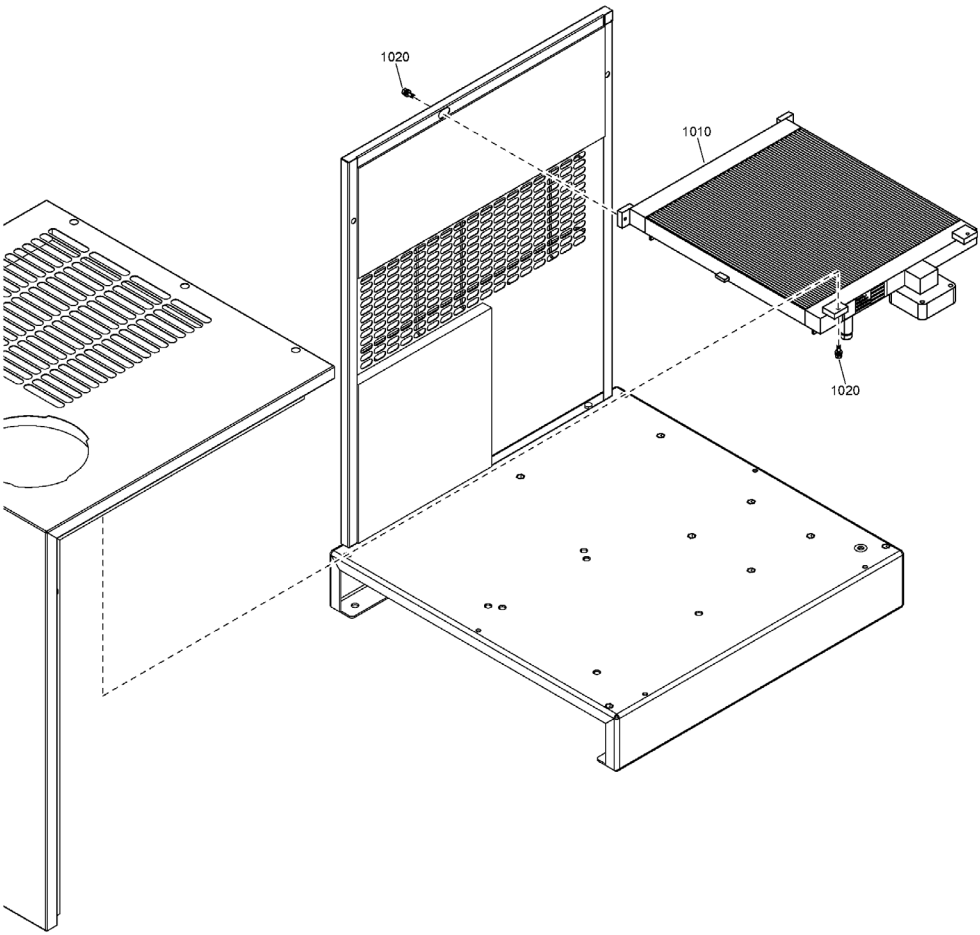


Ref	Part Number	Qty	Name	Validity
1010	0803 5010 08	1	Y FILTER	**(24/08/2020 - ...)**
1020	1629 0511 02	1	FILTER ASSEMBLY 2GS	**(24/08/2020 - ...)**
1030	1629 0511 13	1	FILTER ASSEMBLY 2CD	**(24/08/2020 - ...)**

Legend:

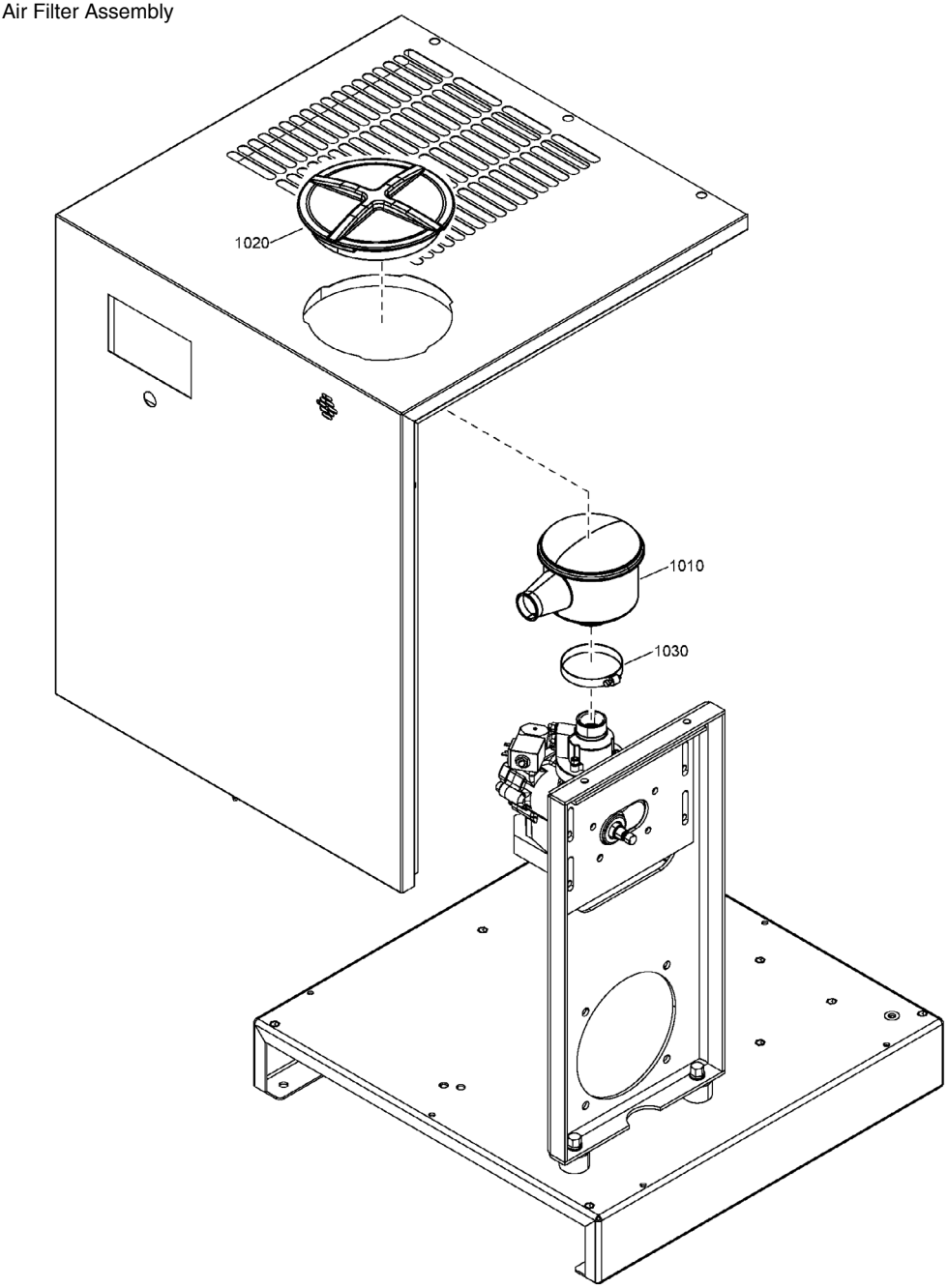
IDRY:Y - Integrated dryer:Yes

Cooler



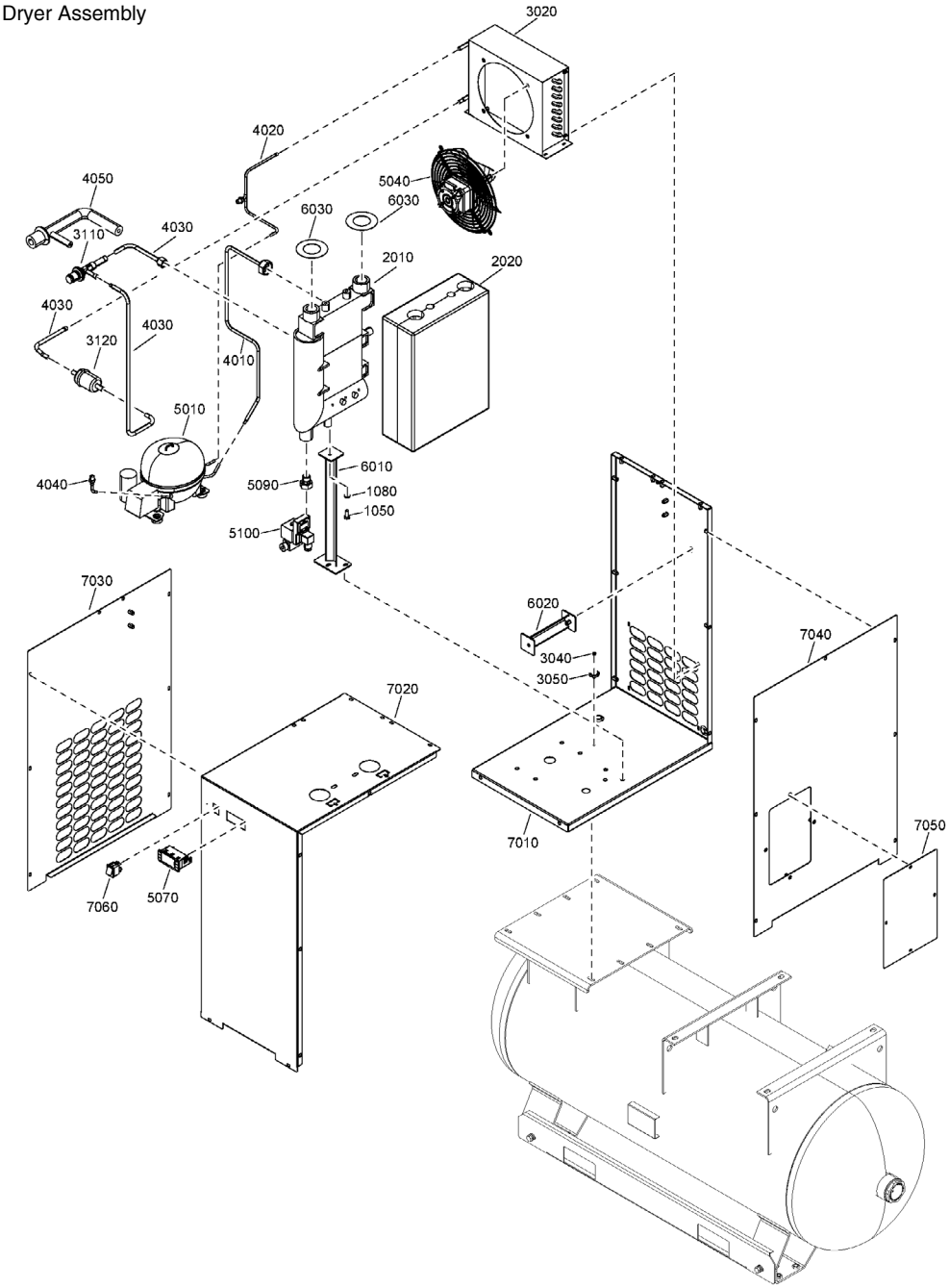
Ref	Part Number	Qty	Name	Validity
1010	1625 1908 61	1	COOLER COMB 9KW	**(19/08/2020 - 23/08/2020) (24/08/2020 - ...)**
1020	1625 1770 70	4	TAPPING BOLT	**(19/08/2020 - 23/08/2020) (24/08/2020 - ...)**

Air Filter Assembly



Ref	Part Number	Qty	Name	Validity
1010	1625 1907 62	1	AIR FILTER ASSEMBLY 1.2M3	(09/04/2020 - ...)
	• 1641 0018 24	1	AIR FILTER CORE	(12/10/2020 - ...)
	Service kits:	1641 0016 35 - SERVICE KIT		
1020	1092 9019 78	1	AIR FILLTER COVER	(09/04/2020 - ...)
1030	1641 0016 37	1	HOSE CLIP	(15/06/2020 - ...)
	1641 0016 35	1.00	SERVICE KIT	
	• 1641 0018 24	1	AIR FILTER CORE	
	• 1625 1907 65	1	OIL FILTER 40L 1-12UNF-2B	
	• 1625 1907 79	1	FILTER OSE D90X135 (INTERNAL)	
	• 1630 1450 04	1	OIL ROTAIR PLUS 4L	

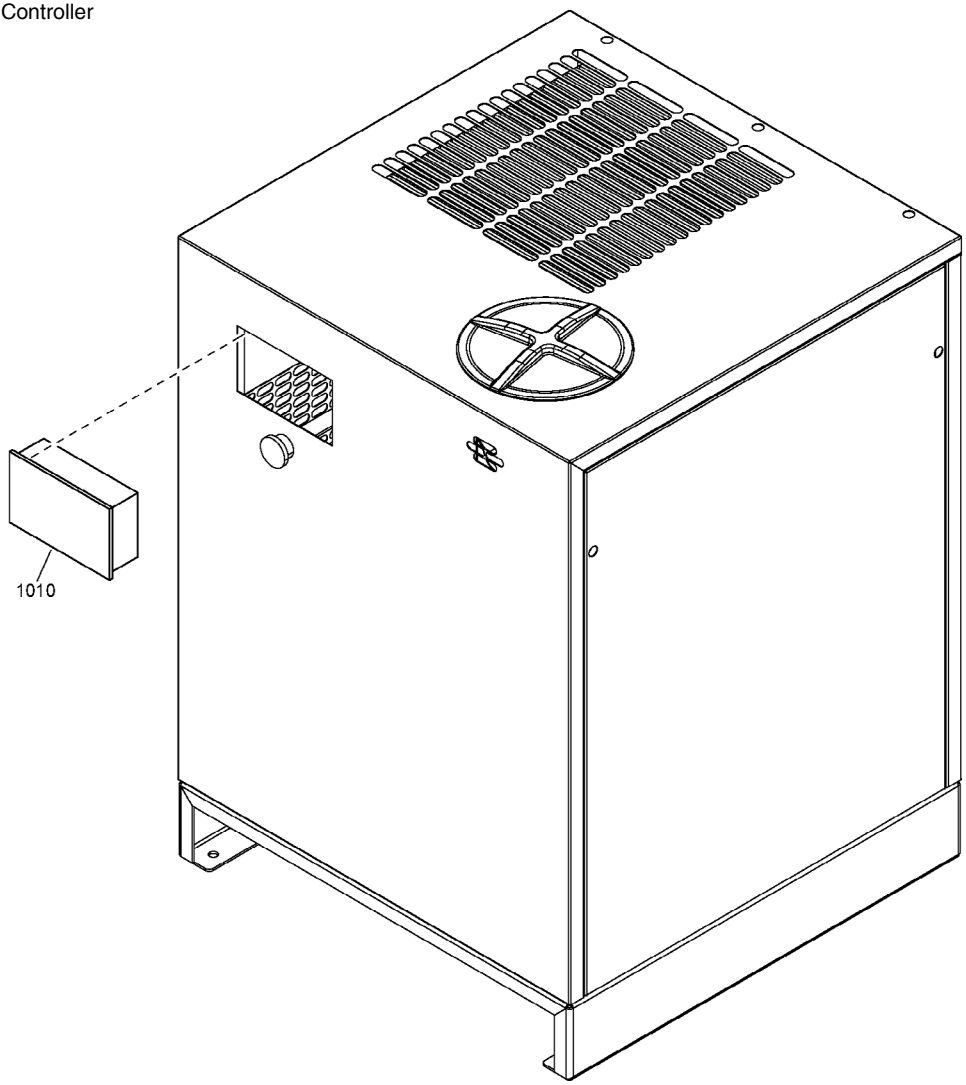
Dryer Assembly



Ref	Part Number	Qty	Name	Validity
	2205 7008 64	1	AIR DRYER	(03/09/2020 - ...)
1050	0147 1323 03	2	BOLT	(03/09/2020 - ...)
1080	0300 0274 64	1	PLAIN WASHER	(03/09/2020 - ...)
2010	1639 6605 73	1	HEAT EXCHANGER	(03/09/2020 - ...)
2020	1639 6955 24	1	INSULATION	(03/09/2020 - ...)
3020	1624 6074 61	1	CONDENSER	(03/09/2020 - ...)
3040	0129 3115 00	2	BLIND RIVET	(03/09/2020 - ...)
3050	0348 0110 03	1	ANCHOR	(03/09/2020 - ...)
3110	1639 6636 08	1	EXPANSION VALVE	(03/09/2020 - ...)
3120	1639 6616 28	1	FILTER	(03/09/2020 - ...)
4010	2205 6877 46	1	PIPE	(03/09/2020 - ...)
4020	1639 6751 49	1	PIPE	(03/09/2020 - ...)
4030	2205 6877 47	1	PIPE	(03/09/2020 - ...)
4040	1639 6750 45	1	PIPE	(03/09/2020 - ...)
4050	1639 6961 37	1	DRAIN INSULATION	(03/09/2020 - ...)
5010	2205 6819 00	1	COMPRESSOR	(03/09/2020 - ...)
5040	1624 6411 42	1	FAN	(03/09/2020 - 04/11/2020)
5040	2205 6829 18	1	FAN	(05/11/2020 - ...)
	• 9843 0403 89	0	FAN WIRING	(05/11/2020 - ...)
5070	1639 6960 31	1	DIGITAL CONTROLLER	(03/09/2020 - ...)
5090	2202 7618 00	1	STRAIGHT COUPLING	(03/09/2020 - ...)
5100	1639 6141 28	1	DRAIN WITH KNOB TIMER	(03/09/2020 - ...)
	• 2205 6841 04	1	STRAINER	(03/09/2020 - ...)
6010	2205 7040 06	1	SUPPORT	(03/09/2020 - ...)
6020	2205 7040 07	1	SUPPORT	(03/09/2020 - ...)
6030	2205 6922 56	2	COVER RING	(03/09/2020 - ...)
7010	2205 7045 11	1	BASE FRAME	(03/09/2020 - ...)
7020	2205 7045 21	1	FRONT PANEL	(03/09/2020 - ...)
7030	2205 7045 31	1	PANNEL	(03/09/2020 - ...)
7040	2205 7045 41	1	PANNEL	(03/09/2020 - ...)
7050	2205 7045 51	1	DRAIN PANEL	(03/09/2020 - ...)
7060	1624 6076 66	1	SWITCH ON/OF	(03/09/2020 - ...)

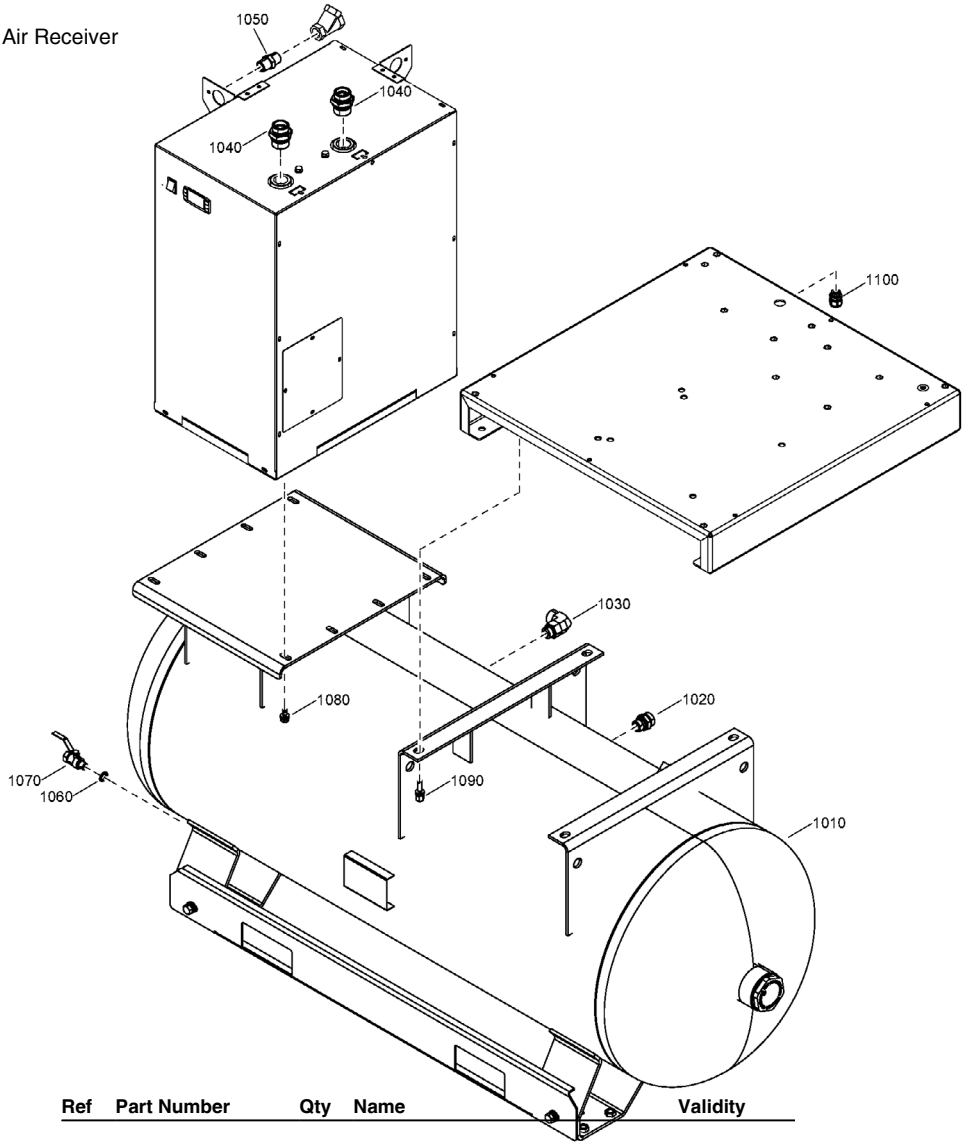
Legend:
IDRY:Y - Integrated dryer:Yes

Controller



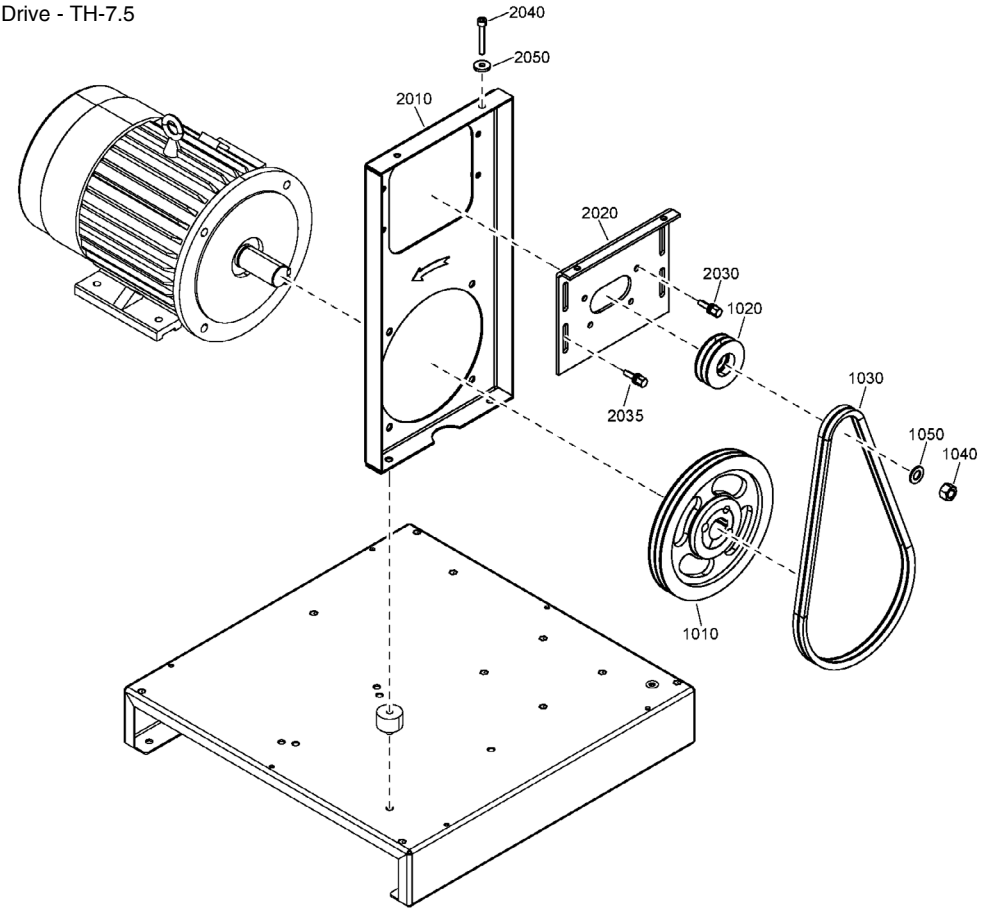
Ref	Part Number	Qty	Name	Validity
1010	1641 0015 10	1	CONTROLLER	**(08/05/2020 - ...)**

Air Receiver



Ref	Part Number	Qty	Name	Validity
1010	1641 0024 93	1	TANK	(24/08/2020 - ...)
1020	1625 1808 80	3	NIPPLE	(24/08/2020 - ...)
1030	1625 1843 16	3	ELBOW	(24/08/2020 - ...)
1040	1641 0018 06	2	NIPPLE	(24/08/2020 - ...)
1050	2205 4364 00	1	NIPPLE	(24/08/2020 - ...)
1060	0661 1000 39	1	SEAL WASHER	(24/08/2020 - ...)
1070	1625 1663 18	1	BALL VALVE DN6 1/4	(24/08/2020 - ...)
1080	1625 1813 61	8	TAPPING BOLT	(24/08/2020 - ...)
1090	1625 1770 67	4	TAPPING BOLT	(24/08/2020 - ...)
1100	0698 5140 72	1	CABLE GLAND	(24/08/2020 - ...)

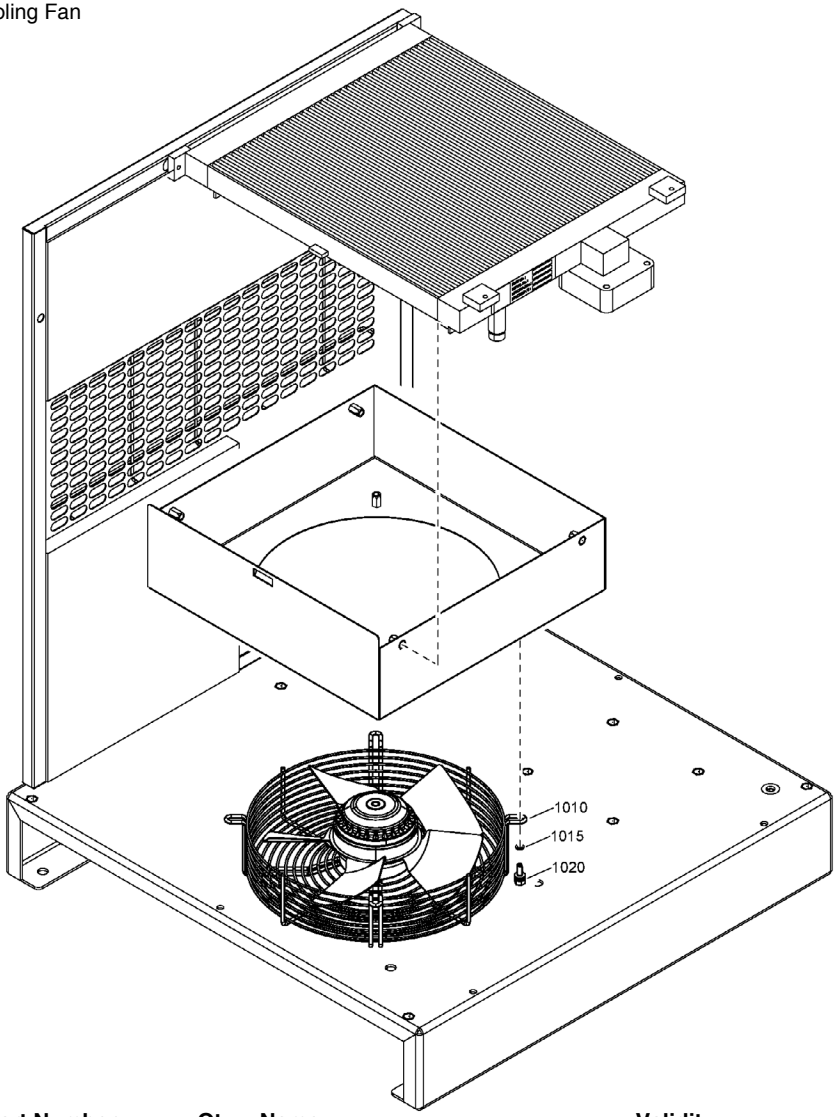
Drive - TH-7.5



Ref	Part Number	Qty	Name	Validity
1010	1625 1907 38	1	MOTOR PULLEY	**(09/04/2020 - 12/04/2020)** **(20/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)** PRESS:8BAR
1020	1625 1907 39	1	ELEMENT PULLEY	**(09/04/2020 - 12/04/2020)** **(20/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)** PRESS:8BAR
1030	1641 0015 39	2	V-BELT	**(09/04/2020 - 12/04/2020)** **(20/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)** PRESS:8BAR
1040	0261 1091 00	1	NUT	**(09/04/2020 - 18/08/2020)** **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)** PRESS:8BAR
1050	0301 2371 00	1	WASHER	**(09/04/2020 - 18/08/2020)** **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)** PRESS:8BAR

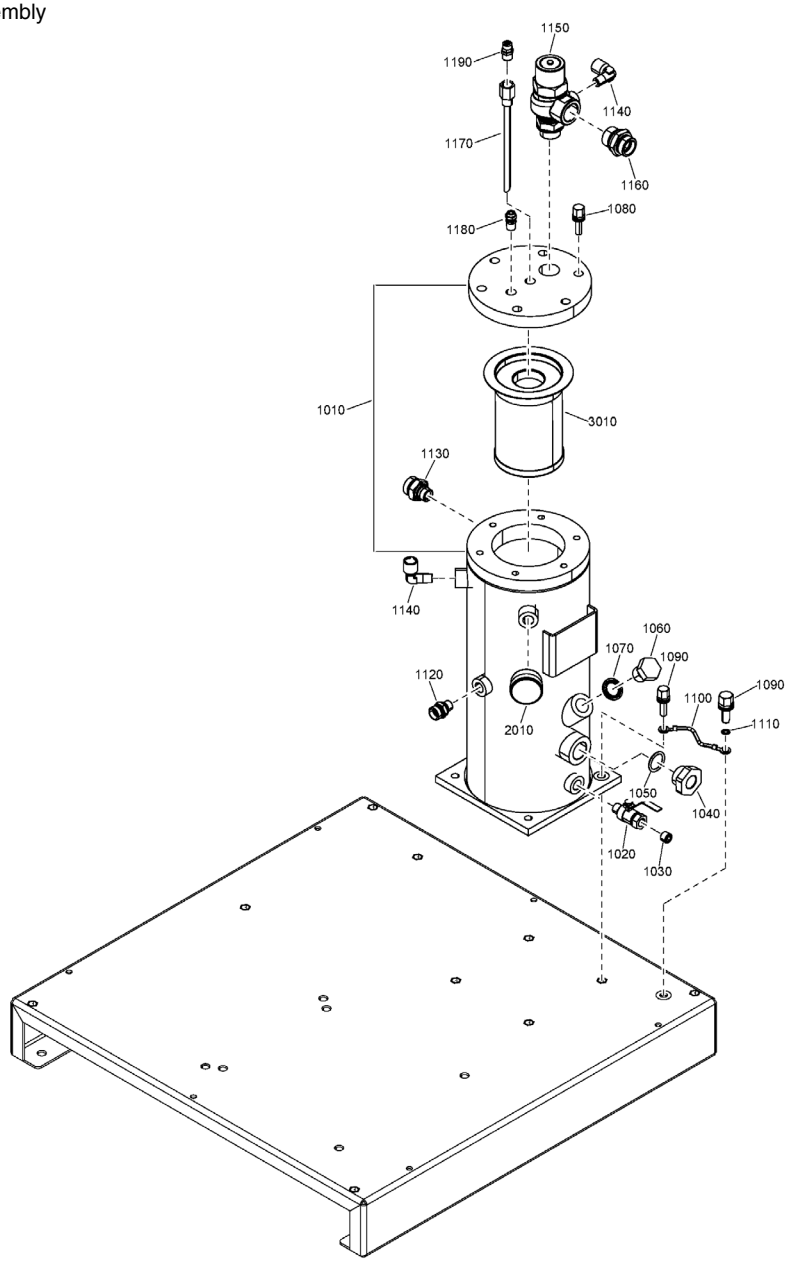
Legend:
PRESS:8BAR - Working pressure:8 bar

Main Cooling Fan



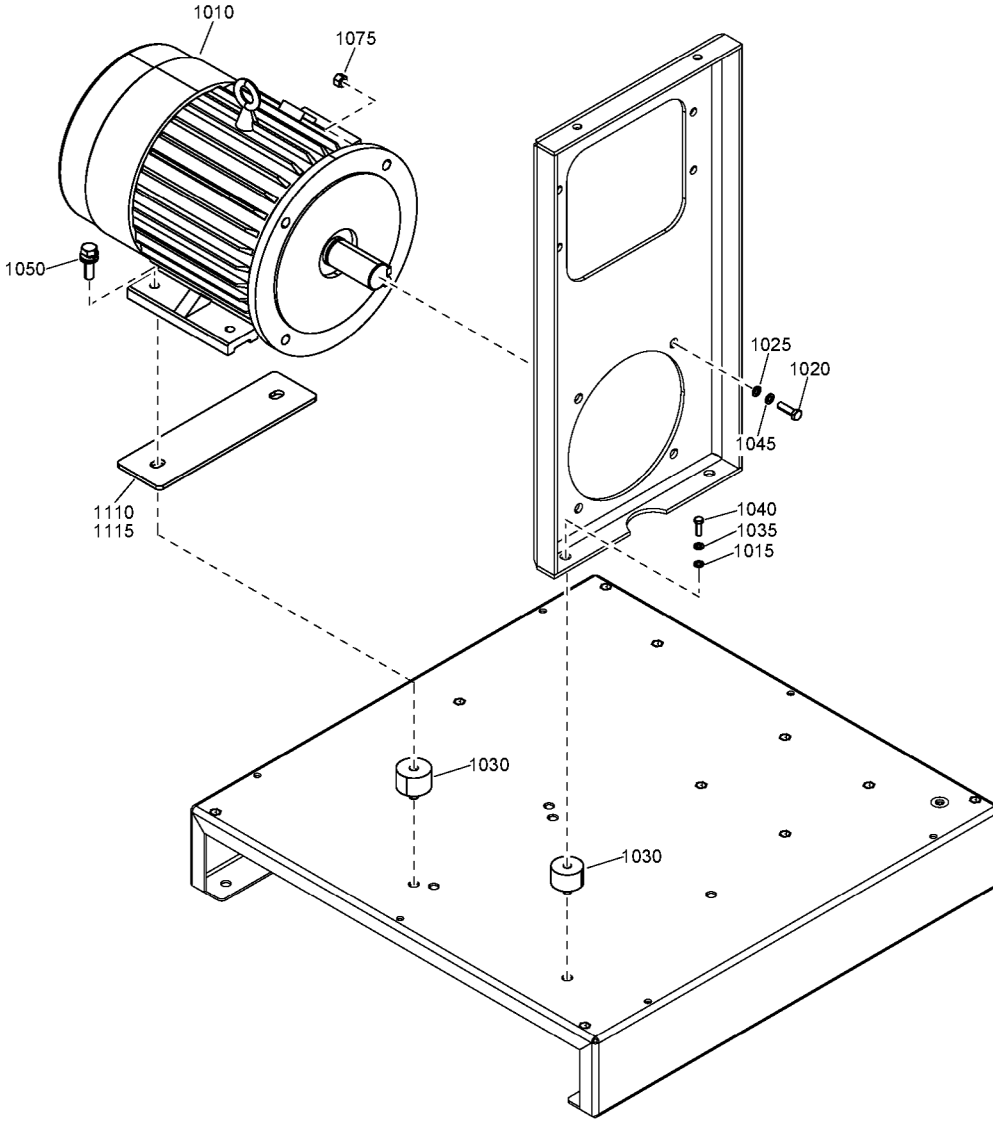
Ref	Part Number	Qty	Name	Validity
1010	1625 1907 41	1	FAN	**(09/04/2020 - 22/04/2020)** [notcompatible] **(23/04/2020 - 18/08/2020)** **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1015	0300 8019 00	4	WASHER	**(13/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1020	1625 1770 70	4	TAPPING BOLT	**(09/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**

Vessel Assembly



Ref	Part Number	Qty	Name	Validity
1010	1625 1907 43	1	VESSEL ID151X6L 15BAR	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1020	1625 1663 18	1	BALL VALVE DN6 1/4	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1030	0686 6128 00	1	PLUG	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1040	1625 1668 50	1	SIGHT GLASS	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1050	5533 2714 00	1	O-RING	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1060	1625 1907 64	1	PLUG	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1070	0661 1000 39	1	SEAL WASHER	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1080	1625 1789 63	6	BOLT ASSEMBLY	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1090	1625 1770 69	5	TAPPING BOLT	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1100	1625 1776 63	1	GROUNDING CABLE	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1110	0333 3232 00	1	LOCK WASHER	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1120	1625 1808 81	1	NIPPLE	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1130	1625 1869 99	1	NIPPLE	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1140	0605 9500 61	2	ELBOW	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1150	1641 0015 08	1	MINIMUM PRESSURE VALVE	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1160	1625 1808 01	1	NIPPLE	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1170	1625 1907 63	1	SCAVENGE LINE PIPE	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1180	2205 4335 02	1	PIPE FITTING	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - 03/09/2020)**
1180	1625 1672 15	1	FAST COUPLING	**(04/09/2020 - ...)**
1190	2205 4336 01	1	PIPE FITTING	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
2010	2205 6192 64	1	PRESSURE GAUGE	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
3010	1625 1907 79	1	OIL SEPARATOR ELEMENT	**(09/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
	Service kits:	1641 0016 35 - SERVICE KIT		
	1641 0016 35	1.00	SERVICE KIT	
	• 1641 0018 24	1	AIR FILTER CORE	
	• 1625 1907 65	1	OIL FILTER 40L 1-12UNF-2B	
	• 1625 1907 79	1	FILTER OSE D90X135 (INTERNAL)	
	• 1630 1450 04	1	OIL ROTAIR PLUS 4L	

Motor


1010
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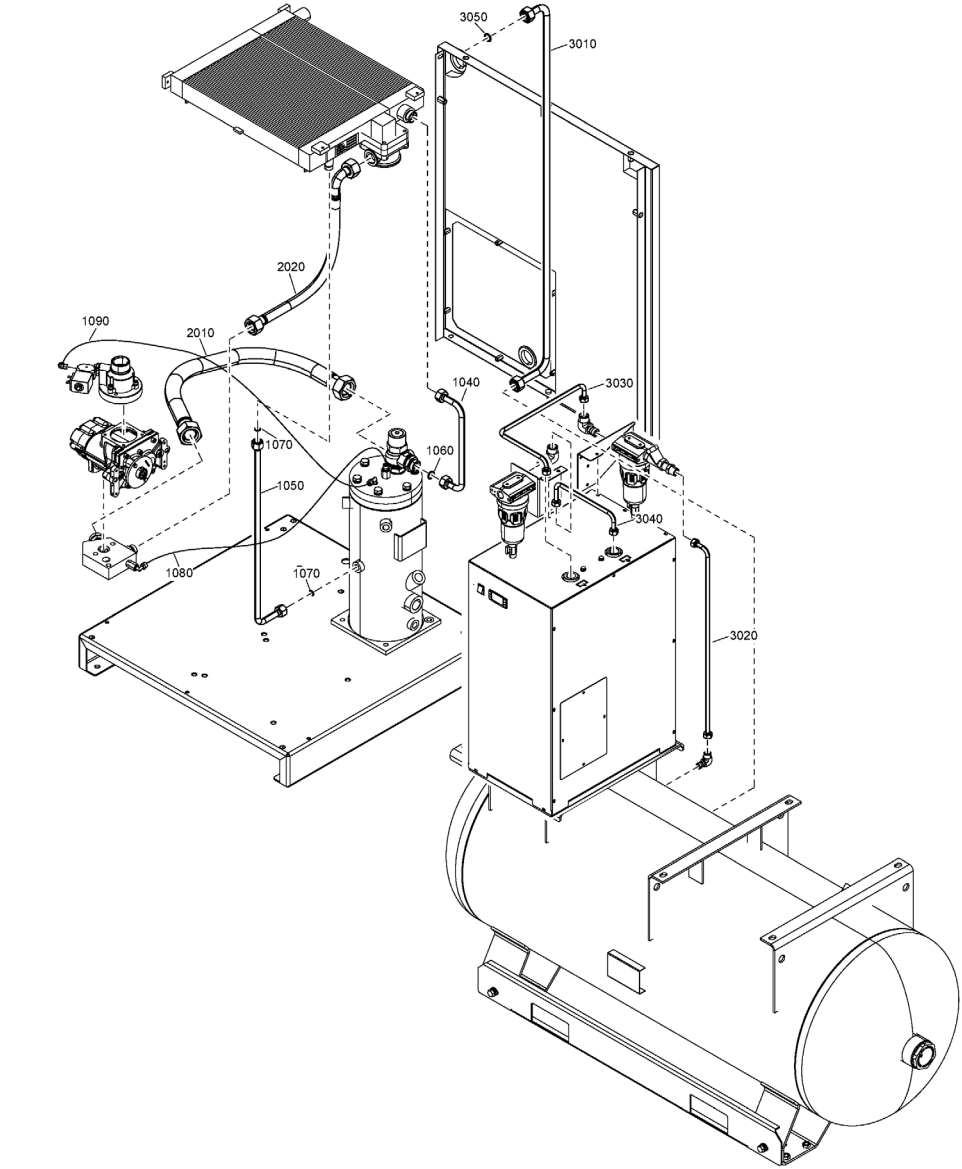
1030

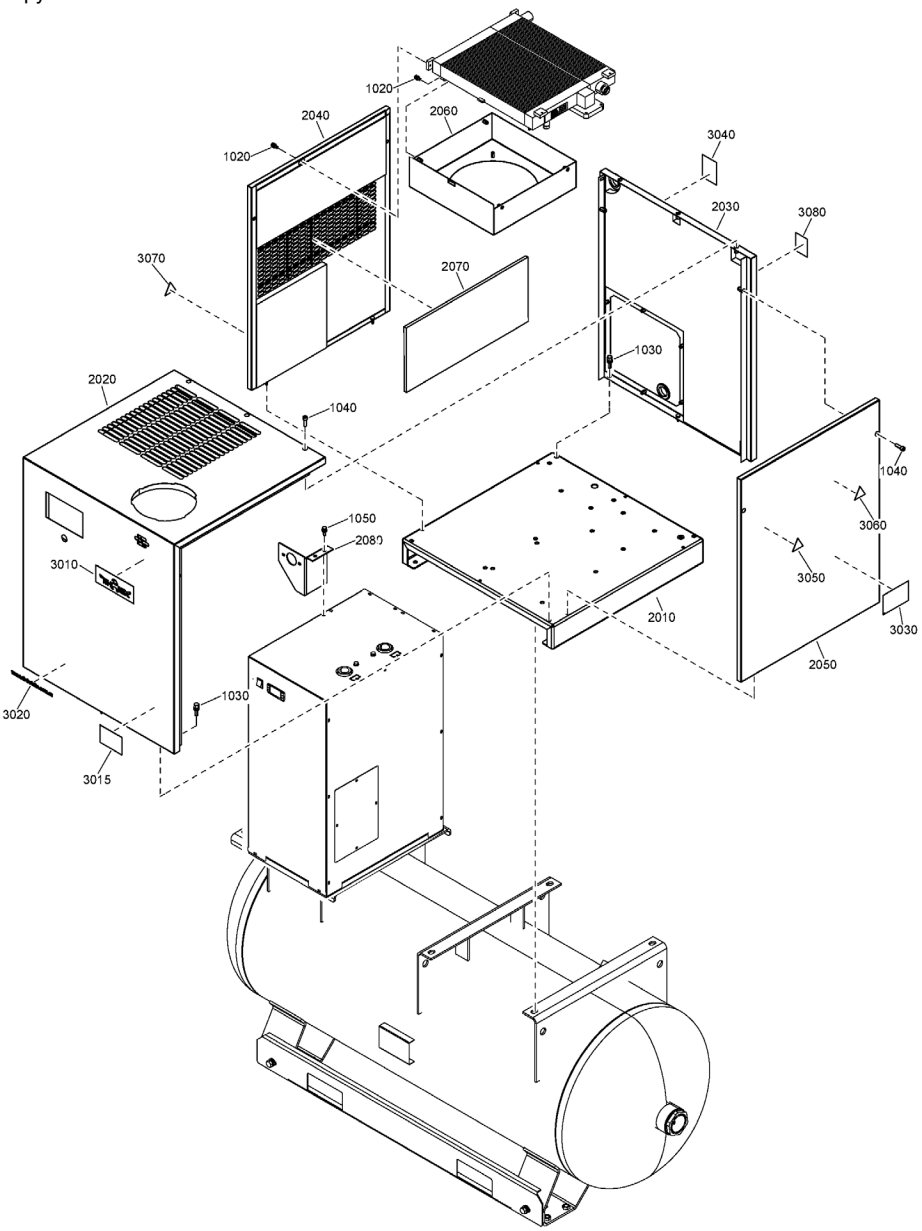
Ref	Part Number	Qty	Name	Validity
1010	1625 1907 40	1	MOTOR 7.5KW 380/50 IP55	**(09/04/2020 - 18/08/2020)** **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1015	0301 2343 00	2	WASHER	**(20/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1020	0147 1403 03	4	BOLT	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1025	0301 2358 00	4	WASHER	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1030	2205 6191 53	4	ANTI-VIBRATION PAD	**(09/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1035	0333 2174 28	2	SPRING WASHER	**(20/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1040	0147 1360 03	2	BOLT	**(20/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1045	0333 2174 29	4	SPRING WASHER	**(30/06/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1050	1625 1789 77	2	BOLT ASSEMBLYM M10*35 8.8	**(09/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1075	0266 2112 00	4	NUT	**(15/07/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1115	1625 1908 46	1	MOTOR WASHER	**(09/04/2020 - 18/08/2020)** [notcompatible] **(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**

Hose Assembly



Ref	Part Number	Qty	Name	Validity
1040	1625 1908 58	1	PIPE	(04/09/2020 - ...)
1050	1625 1908 57	1	PIPE	(04/09/2020 - ...)
1060	1625 1835 12	2	O-RING	(04/09/2020 - ...)
1070	1625 1907 47	2	O-RING	(04/09/2020 - ...)
1080	0070 6002 04	AR	TUBE	(04/09/2020 - ...)
1090	0070 6002 03	AR	TUBE	(04/09/2020 - ...)
2010	1625 1908 43	1	HOSE	(04/09/2020 - ...)
2020	1625 1908 44	1	HOSE	(04/09/2020 - ...)
3010	1641 0017 91	1	PIPE	(24/08/2020 - ...)
3020	1641 0017 92	1	PIPE	(24/08/2020 - ...)
3030	1641 0017 95	1	PIPE	(24/08/2020 - ...)
3040	1641 0017 96	1	PIPE	(24/08/2020 - ...)
3050	1625 1835 12	10	O-RING	(24/08/2020 - ...)

Canopy


1020
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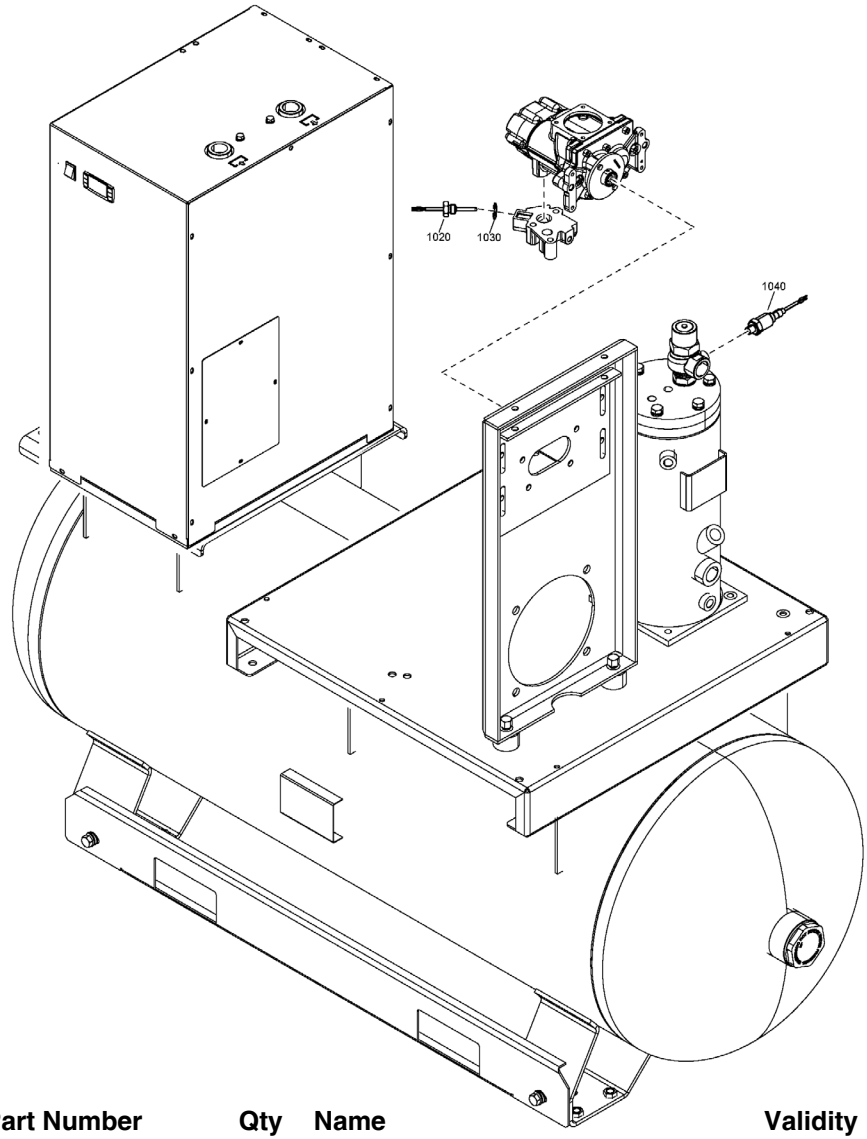
1040
1050
2080
3060
3010
3050
2010
3030
2050
1030
3020
3015

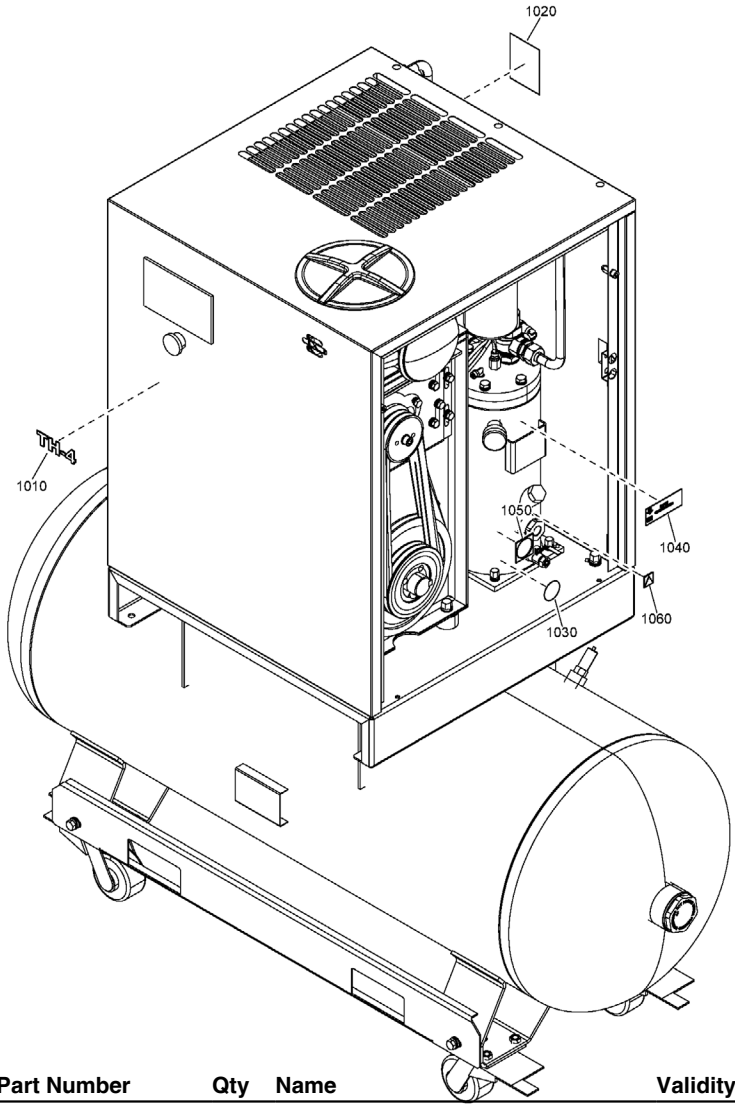
Ref	Part Number	Qty	Name	Validity
1020	1625 1770 70	10	TAPPING BOLT	(24/08/2020 - ...)
1030	1625 1770 69	6	TAPPING BOLT	(24/08/2020 - ...)
1040	0211 1325 03	7	SCREW	(24/08/2020 - ...)
1050	1625 1770 70	10	TAPPING BOLT	(24/08/2020 - ...)
2010	1641 0024 89	1	FRAME	(24/08/2020 - ...)
2020	1625 1971 45	1	ROOF	(24/08/2020 - ...)
2030	1625 1978 05	1	BACK PANEL	(24/08/2020 - ...)
2040	1625 1978 15	1	LEFT DOOR	(24/08/2020 - ...)
2050	1625 1971 75	1	RIGHT DOOR	(24/08/2020 - ...)
2060	1625 1908 51	1	FAN SUPPORT	(24/08/2020 - ...)
2070	1641 0015 06	1	PRE-FOAM	(24/08/2020 - ...)
2080	1641 0017 99	2	FILTER SUPPORT	(24/08/2020 - ...)
3010	2205 6192 08	1	TH LOGO	(24/08/2020 - ...)
3015	1641 0017 28	1	WING LABEL	(24/08/2020 - ...)
3020	1641 0016 13	1	DECAL INTERNET	(24/08/2020 - ...)
3030	1079 9906 09	1	LABEL-TIGHTENING TORGUES	(24/08/2020 - ...)
3040	1094 8250 00	1	GCCA DECAL INSTRUCT.	(24/08/2020 - ...)
3050	1625 1838 61	1	WARNING LABEL	(24/08/2020 - ...)
3060	1625 1838 62	1	WARNING LABEL	(24/08/2020 - ...)
3070	1625 1729 51	1	LABEL-ELECTRICAL	(24/08/2020 - ...)
3080	2205 6942 17	1	QR CODE LABEL	(14/09/2020 - ...)

Electrical Components



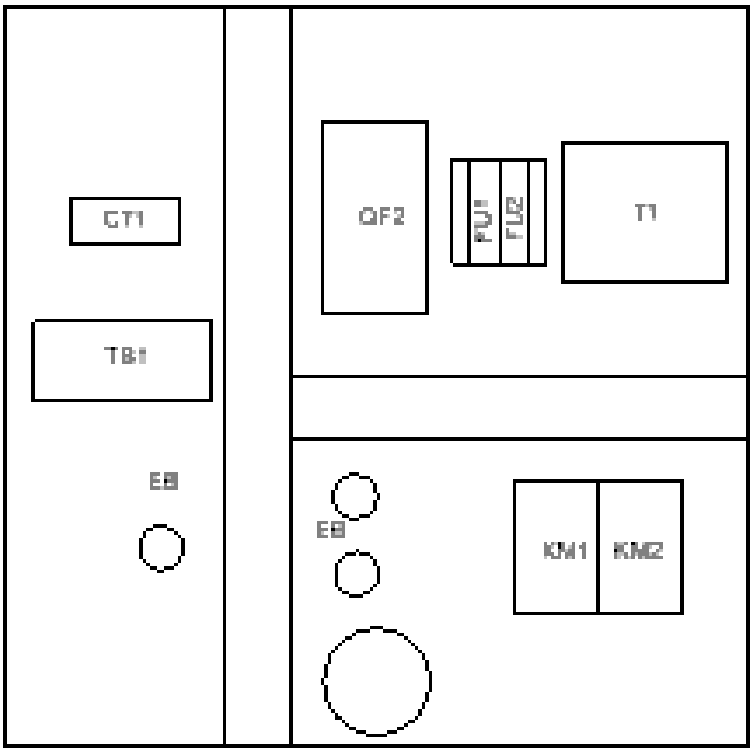
Ref	Part Number	Qty	Name	Validity
1020	1641 0015 11	1	TEMPERATURE SENSOR	**(24/08/2020 - ...)**
1030	~~0661 1000 26~~	1	WASHER	**(24/08/2020 - ...)**
	Substituted by:	0661 1000 40 - - (quantity: 1)		
1040	1641 0015 38	1	SENSOR PRESSURE	**(24/08/2020 - ...)**

Labels



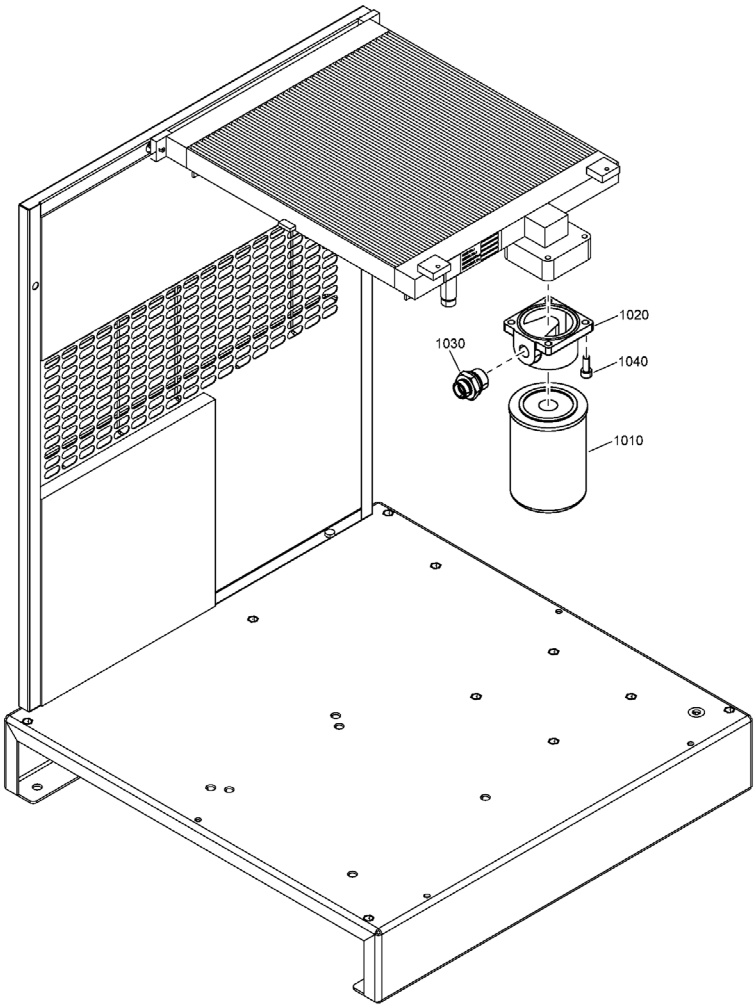
Ref	Part Number	Qty	Name	Validity
1010	1641 0016 46	1	DECAL TYPE	**(19/08/2020 - 23/08/2020) (24/08/2020 - ...)**
1020	1641 0016 14	1	SERVICE LABEL	**(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1030	1625 1729 41	1	LABEL-OIL OUTLET	**(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1040	1625 1675 17	1	LABEL-VESSEL WARNING	**(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1050	1625 1729 44	1	LABEL-OIL FILLING	**(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**
1060	1625 1729 50	1	LABEL-HOT SURFACE	**(19/08/2020 - 23/08/2020)** [notcompatible] **(24/08/2020 - ...)**

Cubicle Components



Part Number	Qty	Name	Validity	EL
1641 0024 91	1	CUBICLE		
1089 9513 69	1	PUSH BUTTOM NP8-02ZS/1	(11/10/2020 - ...)	EM
1089 9513 70	1	LABEL EMERGENCY STOP NP8	(11/10/2020 - ...)	TB1
1089 9139 53	1	CONTACTOR TGC1-0910M7	(11/10/2020 - ...)	KM2
1089 9379 04	1	FUSE FS-101/2A	(11/10/2020 - ...)	FU1-2
1089 9204 95	1	TRANSFORMER JBK3-63VA	(11/10/2020 - ...)	T1
1089 9307 54	1	TRANSFORMER	(11/10/2020 - ...)	CT1
1641 0016 41	1	SOLENOID VALVE CABLE	(11/10/2020 - ...)	YV01
1088 0032 35	1	TERMINAL	(11/10/2020 - ...)	
1641 0018 13	1	CUBICLE BOX	(11/10/2020 - ...)	
1625 1407 31	1	BREAKER	(11/10/2020 - ...)	QF2
1088 0027 35	1	TERMINAL 2ERJK-5.08-7P-4	(11/10/2020 - ...)	TB1
1088 0027 36	1	TERMINAL 2ERJK-5.08-3P-4	(11/10/2020 - ...)	TB1
1088 0027 37	1	TERMINAL 2ERJK-5.08-8P-4	(11/10/2020 - ...)	TB1
1088 0027 38	1	TERMINAL 2ERJK-5.08-5P-4	(11/10/2020 - ...)	TB1
1088 0027 39	1	TERMINAL 2ERJK-5.08-10P-4	(11/10/2020 - ...)	TB1
1089 9139 55	1	CONTACTOR TGC1-1801M7	(11/10/2020 - ...)	KM1

Oil Filter



Ref	Part Number	Qty	Name	Validity
1010	1625 1907 65	1	OIL FILTER 40L 1-12UNF-2B	(09/04/2020 - ...)
	Service kits:	1641 0016 35 - SERVICE KIT		
1020	1641 0015 07	1	OIL FILTER HOUSING	(09/04/2020 - ...)
1030	1625 1808 22	1	NIPPLE	(09/04/2020 - ...)
1040	0211 1325 03	4	CAP SCREW	(30/06/2020 - ...)
	1641 0016 35	1.00	SERVICE KIT	
	• 1641 0018 24	1	AIR FILTER CORE	
	• 1625 1907 65	1	OIL FILTER 40L 1-12UNF-2B	
	• 1625 1907 79	1	FILTER OSE D90X135 (INTERNAL)	
	• 1630 1450 04	1	OIL ROTAIR PLUS 4L	

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