PEUGEOT
PROFESSIONNELS

GARANTIE 2+2 ANS

Get a free 2-year warranty

PISTON COMPRESSOR PCAP 80 SH 24

IN GOOD HANDS

INSTRUCTIONS MANUAL ORIGINAL

GB / SP / DE / PT

WHO ARE WE?

Peugeot Professional Tools was born out of several obvious reasons.
obvious choices.

It combines the expertise of Peugeot, which has mastered the art of cutting since 1810, with the expertise of Tivoly, a metalworker since 1917, to create a wide range of machines and tools for construction and maintenance professionals.

It is also a clear desire to serve craftsmen and small businesses driven by strong family and heritage values.

For these professionals, Peugeot Outils Professionnels offers machines and tools designed specifically for their needs. These tools are reliable, durable, and repairable in France and in countries under distribution agreements by local industrial and family partners.

Trusted equipment with a longer warranty, logistics, and French after-sales service. The assurance of dealing with the people who assembled these tools and know every part that goes into them inside out.

From exceptional projects to everyday work, these tools are designed to withstand the most demanding conditions and stand the test of time.

Peugeot Professional Tools was born from one final realization: that our tools are in good hands. The hands of those who work behind the scenes and give their all to satisfy their customers.

Since 1810, many things have changed, but the hands have remained the same. Hands of enthusiasts, craftsmen, dedicated technicians and installers, workers who are proud of themselves and their achievements.

Peugeot Professional Tools, tools in good hands.

THANK YOU FOR YOUR PURCHASE.

m e n l a i r e s . To benefit, register at www.peugeot-outils-pro.com

See if you are eligible for a guarantee of 2 years, extendable to 2 additional years -

SILENT AIR COMPRESSOR MONOBLOCK TWO-CYLINDER OIL-FREE

PCAP80SH24

Ref.: PPC0010008

Equipment:

-Pressure regulator manifold with:
- 2 quick-connect outlets, one of which is regulated
- 1 tank pressure gauge
- 1 regulated pressure gauge
- HT hose connecting the unit to the tank
- PM pressure switch (single-phase)
- CE safety valve - 8 bar
- Start-up assist valve (1 per unit)
- Check valves (1 per unit)
- Double removable front carrying handle/stretcher
- ¼ turn drain valve
- Large wheels Ø 175 mm and front steering wheel
- Power cord: 3 x 2.5 mm², length 1.5 m

Features:

Intake flow	24.2 m³/h, or 405 l/min
Output flow rate	16 m³/h, or 267 l/min
Motor	1.5 HP Single-phase
Tank	80 liters
Pressure	8 bar max
Dimensions in cm	102 x 46 x 81
Weight	61.2 kg
Noise level	69 dB (A)

You have just purchased a Peugeot Professional Tools air compressor, and we thank you for your trust.

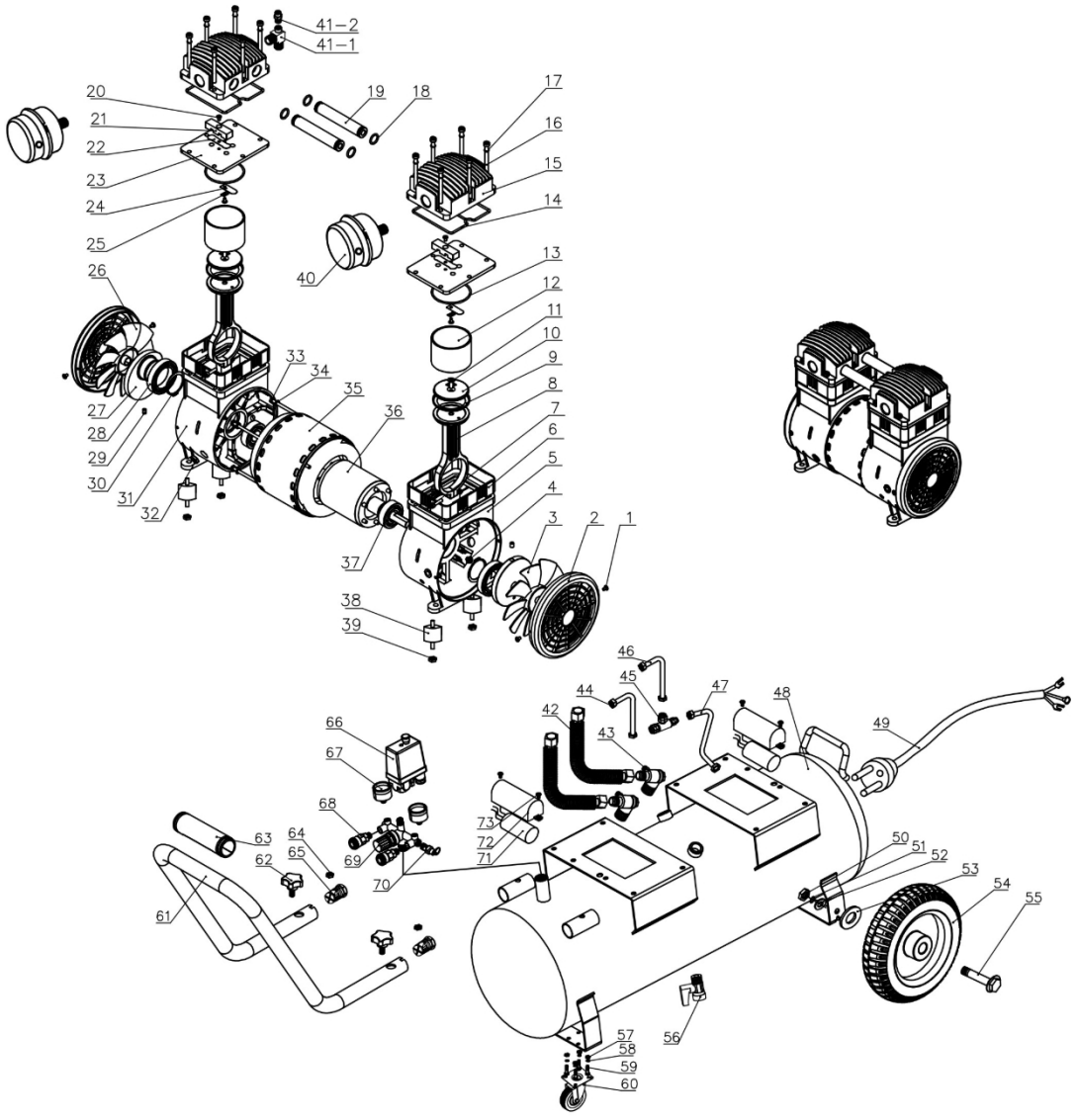
To get the most out of your compressor safely, please read this manual carefully before installation, use, and any maintenance.

DESCRIPTIF : Compresseur

Conception du groupe :

Groupes monoblocs, bicylindres, monoétagés sans huile à vitesse lente

Composants longue durée :
- Double embiellage sur roulement
- Plaque clapet haut rendement
- Segmentation par joint Viton
- Carcasse en aluminium
- Culasses en aluminium
- 2 filtres à air par groupes



Repère	Désignation	Quantité	Référence
1	Vis grille ventilateur	2 x 2	
2	Grille ventilateur	2 x 2	
3	Ventilateur gauche	2 x 1	
4	Ecrou	2 x 2	
5	Carter gauche	2 x 1	
6	Rehausse carter	2 x 2	

Repère	Désignation	Quantité	Référence
7	Vis bielle	2 x 2	
8	Bielle	2 x 2	
9	Segment piston	2 x 2	
10	Piston	2 x 2	
11	Vis piston	2 x 2	
12	Cylindre	2 x 2	
13	Joint cylindre	2 x 2	
14	Joint culasse	2 x 2	
15	Culasse	2 x 2	
16	Vis culasse	2 x 12	
17	Rondelle culasse	2 x 12	
18	Joint tuyauterie connexion culasse	2 x 4	
19	Tuyauterie connexion culasse	2 x 2	
20 - 25	Plaque clapet complète	2 x 2	
26	Ventilateur droit	2 x 1	
27	Vilebrequin	2 x 2	
28	Rouelement 6908-2Z	2 x 2	
29	Vis	4 x 2	
30	Clips ventilateur	2 x 2	
31	Carter droit	2 x 1	
32	Presse étoupe câble moteur	2 x 1	
33	Tirant moteur	2 x 4	
34	Rondelle tirant moteur	2 x 4	
35	Stator	2 x 1	
36	Rotor	2 x 1	
37	Roulement moteur 6204-2Z	2 x 2	
38	Patin anti vibratoire	2 x 4	
39	Ecrou patin	2 x 4	
40	Filtre à air	2 x 2	
40b	Cartouche filtre à air	2	
41-1	"Té" sortie culasse	2 x 1	
41-2	Soupape d'aide au démarrage	2 x 1	
42	Tuyauterie liaison cuve	2	
43	Clapet anti retour	2	
44	Tuyau de mise à vide	1	
45	Té connexion tuyau mise à vide	1	
46	Tuyau de mise à vide	1	
47	Tuyau de mise à vide	1	
48	Cuve 80 litres - 9 bar	1	
49	Câble d'alimentation compresseur	1	
50 - 55	Roue + axe + visserie	2	
56	Robinet de purge	1	
57	Ecrou	2 x 4	
58	Rondelle	2 x 4	
59	Vis	2 x 4	
60	Roue pivot	2	
61	Poignée	1	
62	Vis poignée	2	
63	Poignée caoutchouc	1	
64	Ecrou	2	
65	Bouchon poignée	2	
66	Contacteur manométrique PM monophasé	1	
67	Manomètre 0-12 bar Ø 40 mm 1/8 M	2	
68	Raccord rapide 1/4 M	2	
69	Rampe régulateur 7 sorties	1	
70	Soupape de sécurité CE - 1/4" M - 8 bar	1	
71	Condensateur 35 µf	2	
72	Capot protection condensateur	2	
73	Vis capot	2 x 2	

IMPORTANT PRELIMINARY INFORMATION

The legal and contractual warranty provided by Peugeot Professional Tools is subject to strict compliance with this user manual.

Before using any pneumatic tool, make sure that your compressor is powerful enough for the job. Using tools whose air consumption exceeds 50% of your compressor's air production capacity will cause premature wear and tear on the compressor.

Like any pressurized equipment, a compressor must be used with caution, following all start-up, operating, and maintenance instructions, as well as the safety instructions and warnings contained in this manual. It is essential to read this manual carefully *before* assembly and installation, use, maintenance, and in the event of minor malfunctions. Keep this manual in a safe place so that you can refer to it at any time. By identifying potentially dangerous situations in good time and observing the appropriate safety instructions, the risk of accidents can be considerably reduced.

Frequent purging of the tank is necessary to limit corrosion, which could weaken it.

This equipment is intended for compressing air only, and no other gas or fluid. Never use the compressor in any way other than that specifically recommended, unless you have first ensured that the intended use will not be dangerous to yourself or others.

Modifying the design of the compressor or working on the compressor beyond the operations authorized in this manual is prohibited. In such cases, the intervention of Peugeot Outils Professionnels authorized service centers is required.

This product must be recycled separately from other waste. At the end of the device's life, take it to an authorized Eco-Systèmes center (waste collection center) for recycling of its components. It is therefore your responsibility to recycle this electronic equipment waste by taking it to a designated collection point for the recycling of electrical and electronic equipment. Separate collection and recycling
your waste equipment at the time of disposal helps to protect natural resources and ensure recycling in a way that protects human health and the environment. For more information on recycling points for your waste equipment, please contact your local council's recycling department or the

retailer where you originally purchased the product.

Collection point on www.quefairedemesdéchets.fr

RECEPTION - INSTALLATION

Compressor environment:

The compressor must be used in a clean (dust-free) and well-ventilated environment, away from acid and flammable gases. It must be protected from water (rain, water jets, etc.).
The operating ambient temperature is between 0 and 35°C. The humidity level is up to 75%. Keep the compressor in a horizontal position, in a ventilated area that facilitates the intake of air to be compressed, and at least 50 cm from a wall.

Installation:

The compressor must be placed on a stable support to limit vibrations and prevent it from falling: *avoid rigidly fixing it to the floor*, as this would prevent vibrations from dispersing and could cause breakage.

If the compressor is mobile (with wheels) and delivered on a special transport pallet or in a cardboard box, it must be unpacked (and/or removed from the pallet) and assembled with its wheels (and skids, if supplied).

The compressor must be placed at least 3 meters away from the work area to avoid the risk of air being sucked in from projections (dust, etc.).

Electrical connection:

Caution: this device is electric and operates under voltage. Any work on the system (pressure switch, circuit breaker, motor, and cord) must be carried out *with the power turned off*.
To disconnect the power supply, you must:

1) pushing down the Start/Stop button on the switch and
2) unplugging the power cord (or opening the disconnect switch).

The compressor must be connected to an installation with an earth connection and a differential protection device (against short circuits) as close as possible to the compressor plug so that this protection is effective.

Ensure that these conditions are met and check that the contactor button is fully depressed in the off position before proceeding with the electrical connection.

Overcurrent protection:

Single-phase compressor:

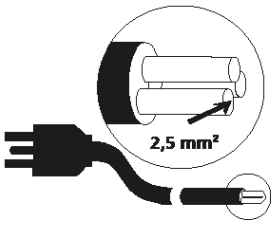
The single-phase compressor is supplied with a male electrical plug that complies with the standard.

Caution: it cannot be operated on a 400 V installation.

The electrical cable has two conductive wires for the mains and one for the earth. The earth wire is yellow and green and must be connected to the earth terminal of the power outlet.

Cord - Extension cord:

Keep the cord away from areas where it could be stepped on or crushed, away from heat sources or surfaces exceeding 70°C, and away from sharp surfaces. Clean thoroughly if it comes into contact with grease or oil, which can alter the properties of the sheath. Do not leave the cord in an acidic or corrosive environment (e.g., animal excrement).



Rallonge

If an extension cord (less than 20 m long) is necessary, use only standard electrical cables with a
cross-section of at least 2.5 mm² to prevent overheating or voltage loss in the extension cord. To choose the correct cable cross-section, please refer to the table opposite.

Motor power	Cross-section Single-phase
0.5 kW/1 HP	1.5 mm²
0.736 kW/1 HP	1.5 mm²
1 kW/1.5 HP	1.5 mm²
1.5 kW/2 HP	1.5 mm²
2.2 kW/3 HP	2.5 mm²
3 kW/4 hp	2.5 mm²

Always unroll the extension cord completely. In general, it is better to have a longer compressed air hose (25 or 50 m) than a setup based on extension cords.
Always turn off your compressor using the switch (by pushing it down) and only then unplug it, without pulling sharply on the cord.

Pneumatic connections:

Always use compressed air hoses or flexible pipes with pressure characteristics suitable for the compressor (50% higher than the maximum pressure of the compressor).

Never use the compressor without connecting it to a tool or its destination system to avoid uncontrolled air release.

OPERATION

- Never use the compressor for purposes other than those specified by your dealer at the time of purchase.

- Specific uses may require compliance with standards that you are responsible for knowing and complying with (inflation, washing with detergents, painting, etc.). In particular, do not use the compressor with any fluid other than compressed air.

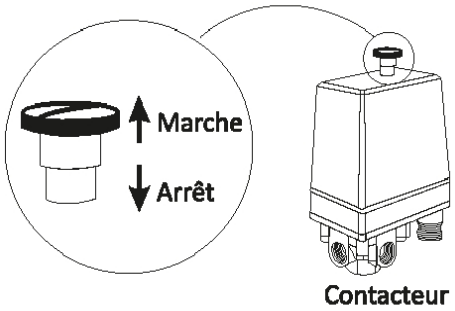
- Regardless of the type of compressor used, the air expelled cannot be completely pure.
- If your system and/or use requires a higher degree of purity, be sure to install the appropriate filter devices, available from your dealer. In particular, the compressed air produced by this device is not suitable for medical, food, or respiratory use.

- Never direct the jet towards a person or animal. Do not allow anyone who has not been trained in the use of the Peugeot Outils Professionnels compressor to operate it, especially children. Keep them away from the work area while working with the compressor.

- Do not use the compressor while barefoot and/or with wet feet, or with wet hands.

- Never operate the compressor without the flywheel-belt guard securely in place and without the protective covers on the pressure switch and circuit breaker switch closed.

Start-up/Shutdown:



To start the compressor, plug in the power cord (or close the disconnect switch), then pull up the on/off button on the pressure switch.

When the compressor starts, the tank gradually fills with air and the pressure increases. When it reaches a shut-off pressure (factory set at 8 bar)
the pressure switch automatically stops the compressor.

When air is consumed, the pressure in the tank drops to the restart pressure (factory set between 5 and 6 bar). When this pressure is reached, the pressure switch automatically restarts the compressor.

To stop the compressor (possible at any time), push down the on/off button on the pressure switch. To disconnect the power supply or for prolonged shutdown, be sure to unplug the power cord (or open the disconnect switch).

Any work on the compressor requires the power cord to be unplugged (or the isolator switch to be opened). Set the switch to the off position and unplug the power cord:

- to protect it against power surges in the event of a "power surge"
- if you want to avoid unexpected restarts a few hours later when the tank pressure has dropped...
- in case of prolonged disuse.

Adapting to the tool – adjusting the working pressure:

To operate an accessory, you need a constant working pressure (indicated in the tool manual).

You must set the compressor outlet pressure to the same level. The adjustment is made at the pressure regulator.
Turn the (red) cap on the pressure regulator clockwise to increase the pressure and counterclockwise to decrease it. Check the pressure on the pressure gauge. When the desired pressure is reached, lock the cap using its (red) locking ring.

NB: Check that the pressure setting on the pressure regulator is always lower than the restart pressure of the pressure switch. Otherwise, you will not obtain the desired pressure.
Do not use a tool whose consumption exceeds the maximum flow rate delivered by the compressor by more than 50%. Doing so will cause premature wear of the compressor.

NB: If the compressor is not fitted as standard, you can add one. Contact an authorized service center.

Noise precautions:

The compressor is a noisy device. Use noise protection to protect yourself from hearing damage.
Noise from equipment used outdoors in accordance with Directive OUTDOOR 200/14/EC - Procedure: Annex VIII
Guaranteed sound power level: LWA 88 dB (A) Measured sound power level: LWA 85 dB (A) Measured sound pressure level: LPA 69 dB (A)
It is your responsibility to comply with the noise levels permitted at the place of use of the compressor.

Eye protection:

Air and particle projections can be dangerous to the eyes. Protective eyewear must be worn for safe use.
Never point tools, hoses, etc. at people or animals.

Risk of burns:

Certain parts of your compressor, in particular the cylinder, cooling fins, discharge pipe, copper extension, and non-return valve, can reach temperatures that will cause burns if they come into contact with the skin.
Be sure not to touch them until they have cooled sufficiently.
Do not leave flammable materials or nylon fabrics near or in contact with the compressor.

MAINTENANCE

Caution: Strict adherence to maintenance measures will keep your compressor in good working order. Proper maintenance is also essential for safety, including regular and frequent purging of the tank.

For your safety, any movement of the compressor or maintenance operation must be carried out when the compressor is stopped, disconnected from the power supply, and with the tank empty.
The compressor can be moved on wheels using the handle provided for this purpose.

Draining the tank:

Condensation in the tank is inherent to normal compressor operation. It is therefore essential to drain the tank as frequently as possible, and at least once a week, to prevent corrosion. In the event of severe corrosion, the tank could crack under pressure and endanger people and property. Draining is carried out by depressurizing the tank and draining any condensate that may be present.

Drainage: Open the drain valve located under the tank.
Collect the condensate, taking care to prevent it from dispersing into the environment. Ensure that it is treated/recycled/disposed of by the appropriate authority. Tighten the nut securely after the operation.

Always check that the tank is empty before unscrewing the drain valve. Never attempt to unscrew it if the tank is still under pressure.
The high-pressure air flow can be dangerous; never stand in front of the flow. Never direct the flow towards a person or animal.
Always connect the compressor to an air-consuming tool before use to prevent uncontrolled air release

.
Periodically, after draining and before closing the drain valve, check that the drain system is working properly: restart the compressor and make sure that air is coming out of the drain valve. Then turn off the device and close the screw before putting the compressor back under pressure.

Your tank complies with current regulations. Never tamper with it in any way (welding, etc.). Have the condition of the tank checked by a professional in the event of an impact.

In accordance with current French regulations, the compressor tank must be inspected by a testing organization (APAVE, Véritas, etc.) every 4 years at most and requalified (pressure resistance test) by such an organization every 10 years.

Condensate treatment: do not release condensate consisting of water and plastic particles into the environment. It must be collected by a reprocessing organization.

Air filter:

A dirty filter reduces the performance of the device. Clean the air filter cartridge frequently using an air gun (always blow from the inside out), at least every 50 hours.

Do not use flammable products for cleaning. If it is too dirty, replace the filter or its filter element (cartridge).

Safety valve:

Do not touch the valve. Its setting and operation must not be altered. Ensure that it is working correctly in accordance with the specific instructions supplied with the compressor.

Valves:

Compressor malfunctions are often caused by particles blocking the valves on the "valve plates" located in the compressor head and/or the check valve mounted on the tank. These valves are easily accessible and simple cleaning ensures that the compressor functions properly. Contact an authorized service center.

The non-return valve must be removed when the tank is empty.

Risks associated with freezing:

If the compressor has been exposed to freezing temperatures, store it in a warm place for a while or heat the pipes to melt any ice that may have formed from condensation. Drain the tank every evening and restart it in the morning with an empty tank.

POSSIBLE CAUSES OF MALFUNCTION

The compressor does not start:

- The tank is full.
- The contactor button is not set to "on" and/or the compressor is not plugged in.
- Voltage too low at the motor terminals: extension cord too long or insufficient mains voltage.

The appliance "grumbles" but does not start

The mains voltage is too low.

Insufficient flow rate:

All of the following procedures must be carried out with the power off, when the unit is cold and the tank is empty.

- Leak in the pipe connecting the unit to the tank: loosen the pipe nuts without removing the pipe, reposition the pipe, and tighten the nuts securely.

- Clogged air filter: blow it out or replace it.

- Compressor head valves clogged or worn: remove the head (cylinder head + valve plate) and clean or replace the valves.

Caution: Any disassembly of the head requires replacement of the seals.

- Permanent leak at the contactor when the compressor stops: the check valve is damaged: clean or replace the special rubber disc after unscrewing the check valve head.

Caution: Always switch off the compressor and empty the tank beforehand to avoid accidents.

Compressor unit blocked:

- Damaged connecting rod bearings or bushings: contact Peugeot Professional Tools customer service.
- Damaged cylinder and/or piston ring(s): contact Peugeot Professional Tools customer service.
- Connecting rod stuck on the crankshaft: contact Peugeot Professional Tools Customer Service.

Excess water in the expelled air:

This condensation is normal and is due to the expansion of the compressed air. If your application requires the expulsion of particularly dry air, we recommend purchasing an air dryer (contact your dealer).

When your compressor trips:

- "Stop" the compressor at the contactor.
- Wait for it to cool down before restarting it.
- Then restart the compressor at the contactor. If it trips several times in a row, contact an authorized service center.

If you are using an extension cord, check that the cable cross-section is sufficient.
Recommended extension cord: 2.5 mm², maximum length 20 m.

Warning: Any other operation requires the intervention of a Peugeot Professional Tools authorized service center.
Any work carried out outside this framework and without new Peugeot Professional Tools parts will void the product warranty.

Warranty

If the machine is covered by warranty, it must be repaired exclusively by an authorized after-sales service center.
The machine warranty is valid for 2 years from the date of purchase by the user. This product benefits from an additional 2-year warranty extension, provided that the user registers the product on the PEUGEOT OUTILS PROFESSIONNELS website (www. peugeot.outils-pro.com) within 30 days of the date of purchase. This extended warranty is subject to the same conditions as the initial warranty.
Accessories and consumables are not covered by the warranty.
It is important to keep the invoice, which serves as your warranty certificate.
The warranty is limited to the repair or replacement of defective parts free of charge, after evaluation by the manufacturer.
For any requests for information or spare parts relating to the machine, it is essential to provide the exact information shown on the nameplate.
The warranty does not cover damage caused by the user or by a repairer not approved by Tivoly.

Link to the General Warranty Terms and Conditions:

CE AL DECLARATION OF CONFORMITY "ORIGINAL"

The undersigned (Manufacturer/Importer):

TIVOLY
266 ROUTE PORTES DE TARENTAISE 73790 TOURS-EN-SAVOIE

Declares that the following new machine:

Designation:	PISTON COMPRESSOR
Brand:	PEUGEOT PROFESSIONAL TOOLS
Model:	PCAP80SH
Reference:	PPC00100008
Serial number:	

Complies with applicable harmonized legislation:

NF EN ISO 12100 Safety of machinery - General principles for design - Risk assessment and risk reduction (November 2010),
NF EN 1012-1 Compressors and vacuum pumps: Safety requirements (December 2010).

Complies with the essential safety requirements applicable to it:

Machinery Directive (2006/42/EC), Low
Voltage Directive (2014/35/EU)
Simple Pressure Vessels Directive (2014/29/EU), Electromagnetic
Compatibility Directive (2014/30/EU), OUTDOOR Acoustics
Directive (2000/14/EC),
Motor Ecodesign Directive 640/2009, ROHS2
2011/65/EU

Done at TOURS-EN-SAVOIE
The

Stéphane Le Mounier
Managing Director