



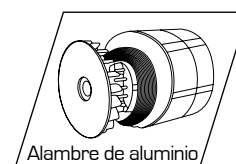
FICHA TÉCNICA

Producto: **Compresor de aire 3.0 HP Total Tools**

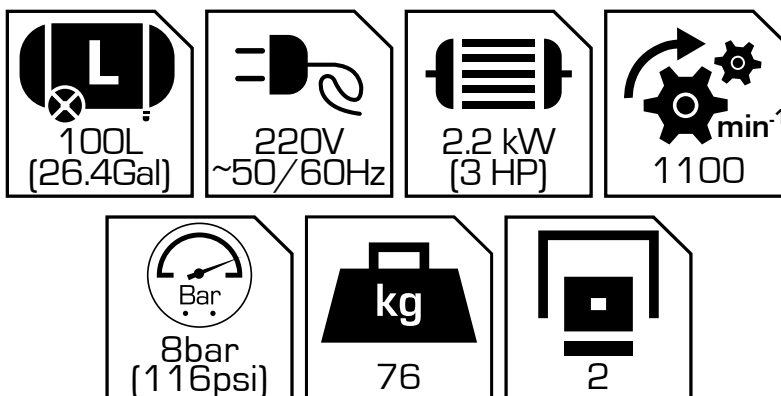
DESCRIPCIÓN: Compresor de aire 3.0 HP Total Tools de una potencia de 2.2 kW (3.0HP). Produce una presión máxima de 8 bar - 116 psi. Desplazamiento del aire de 144 L/min@101psi - 7bar con un volumen de tanque de 100 L - 26.4 Gal. Produce un nivel de ruido de 96 db y pesa 76 Kg. Su motor incluye una bovina de alambre de aluminio, bomba lubricada con aceite y su arranque es por correa

CÓDIGO: TC1301006

INDUSTRIAL



Marca: Total Tools	Volumen de tanque: 100 L - 26.4 Gal
Voltaje: 220V~50/60Hz	Nivel de ruido: 92 db
Potencia: 2.2 kW (3.0HP)	Incluye: bomba lubricada con aceite
Arranque: accionado por correa	Peso: 76 Kg.
Presión máxima: 8 bar - 116psi	Garantía: 3 meses
Desplazamiento del aire: 144 L/min@101psi - 7bar	Empaque: Caja de Madera
Velocidad sin carga: 1100/min	Procedencia: Importado



TOTAL

One-Stop Tools Station

TOTAL

AIR COMPRESSOR

TC1300506, UTC1300506, TC1300506S-2,
TC1300506-8, TC1300506T,
TC1301006, UTC1301006, TC1301006S-2,
TC1301006-8, TC1301006T

INDUSTRIAL



3HP

Forward

Please read this manual carefully and make a full understanding before operating. Due to the limited pages we cannot answer all the questions but this manual can help you avoid unnecessary mistakes during operating the new machines. Please pay special attention to the "Warning". If you don't stick to the instructions you may have your machine damaged.

Excuse for not informing of the alteration for techniques of the products change all the time.

Please follow the operating procedures described in this manual. By doing so you'll save your time and energy. If any problem or fault occurs Please contact our authorized service centre without delay.

If any machine parts need to be replaced Please use those produced in our factory to ensure an effective operation and to increase service life.

Security Notes

Before starting the machine Please take a check before operation or the safe operation.

Do not place any inflammable substance near the air compressor.

Do not inject the compressed air to man and animals

Keep children or people away from the compressor or auxiliary facilities.

Don't touch the machine or exhaust pipe during operation it remains in very high temperature.

The technical service center of our factory is the only organization that has the right to confirm whether the product in question is within the warranty scope.

The operator should know the correct operation of the machine and how to turn it off immediately.

DO not move the machine when the air container still contains in compressed condition.

Before repairing especially before disassembling the machine the power should be turned off and the compressed gas should be released from the gas container. If the power is not turned off the air compressor may start suddenly. In the evening the unstable voltage in the power grid may damage the motor in the machine.

The following two points should be noted when the air compressor is used for spraying painting.

a. Do not operate the air compressor in the airtight space or in the place where there is heat.

b. The air compressor should be operated in the well ventilated place.

Installation

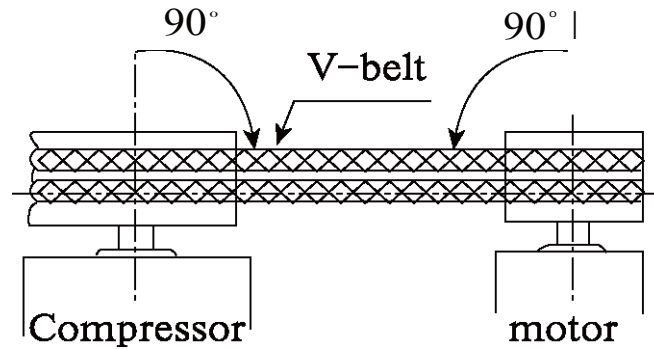
a. Install the compressor in a ventilated place.

b. The space between the compressor and the wall should be at least 50cm.

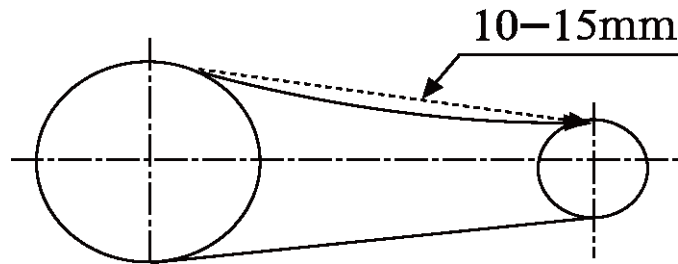
c. Installation of Motor:

1. If you buy the motor yourself, please buy the same model as the air-compressor

2. Install it as shown in the following diagram:



3. Adjust the belt to a proper degree of tightness in the way of pressing the middle of the belt till it sinks for 10-15mm as shown in the following diagram:



4. If the belt is too tight, the belt will be overloaded and in consequence the axis of the motor may easily wear out, the motor may get heated, and consume more power and the belt may break down because of super-tension;

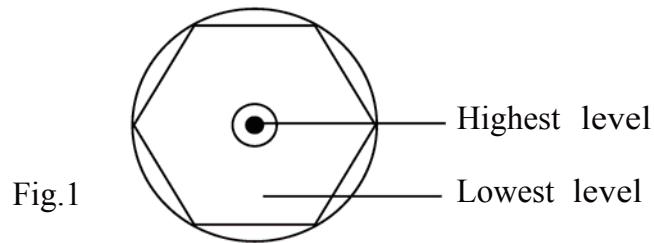
5. If the belt is too loose, the belt may slip and in consequence it may cause a high-heat abrasion of the belt, unsteady rotation of the air-compressor and inadequate displacement.

Before starting

a. Before starting the compressor be sure that the lube is enough. It is safe when the lube level is at the red point of oil glass. (Figure 1) When necessary, add the lube through the hole of the dipstick

Caution: If the lube is lower than the lower mark of the dipstick (Figure 1) the

compressor will be frayed and the axle head will be destroyed. If too high it may cause the lube to spray and the load of the compressor to increase.



b. The ideal lube for the compressor should be in a general way high grade with antioxidant in not easy to become thick because of oxygenation. It is not easy to froth with little carbon left and high ignition point. Usually the 13# air compressor oil is used. The 19# air compressor oil is used in winter.

Notes before operating

a. Plug in the power plug to the matched outlet.

b. Check the tightness of the belt and see if we can remove pulley easily by hand.

c. Do use the air switch (Figure 2) to start or stop the compressor according to the button position marked on the shell of air switch. After the compressed air in the pipeline will exhaust automatically when the air switch breaks and then the compressor could be started with little burden next time to prevent the motor from damage.

e. Safety Valve

The air-compressor is equipped with safety valve as the protective device to prevent from excessive pressure in the gas tank. The safety valve has already been adjusted according to the designing standard of "Pressure Containers". Please don't adjust it at discretion. Please advise the maintenance services of our company or distributors to do for you if adjustment is necessary. To assure that the function of the safety valve is in normal state, please drag the gas release ring at least once a week (Figure 3).

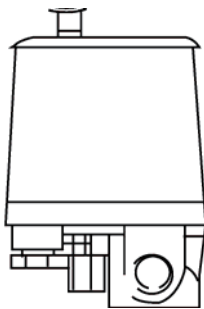


Fig.2



Fig.3

Operation of the compressor

The compressor uses an air switch to control the motor. When the pressure in the air storage tank rises to the rated maximum pressure, the air switch automatically breaks to disconnect the power and stop the air compressor. When the pressure in the air storage tank goes down below the rated minimum pressure, the air switch automatically closes and restarts the motor to drive the compressor.

Adjust the exhausting air pressure

a. pull out upward the knob of the pressure adjuster, turn clockwise to increase the exhausting air pressure to a rated maximum pressure, the same as in the air storage tank (Figure 4)

b. pull out upward the knob of the pressure adjuster, turn anticlockwise to reduce the exhausting air pressure to zero bar.

Caution:

(1) When adjusting the exhausting air pressure, you can look into the small manometer to get the pressure reading.

(2) When the manometer shows the maximum pressure values, turning clockwise, or the thin film of the pressure adjuster would be damaged.

(3) When the compressor stop working, turn the pressure adjuster anticlockwise to zero bar and then stop. You may open the drain tap to make sure that the compressor stops.

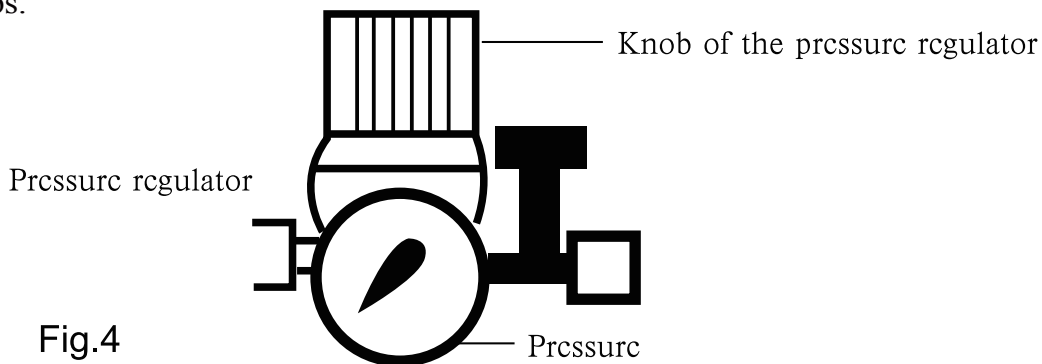


Fig.4

Maintenance

a. When the new machine has been set to work for 50 hours, unscrew the oil escape-bolt to drain the old lube and add in the new lube to the marked level of the dipstick.

b. Clean the filter every 100 hours. (Figure 5)

c. Replace the filter element with a new one if it is too dirty.

d. Turn on the water escape valve at the bottom of the air storage tank to drain everyday.

e. Every 500 hours or 12 months replace the lube with new lube.

f. Please check the sensitivity of the safety valve and the operating pull-ring once a week.

g. Check the tightness of the V-belt once in three months.

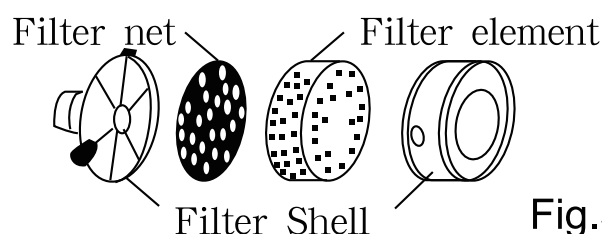


Fig.5

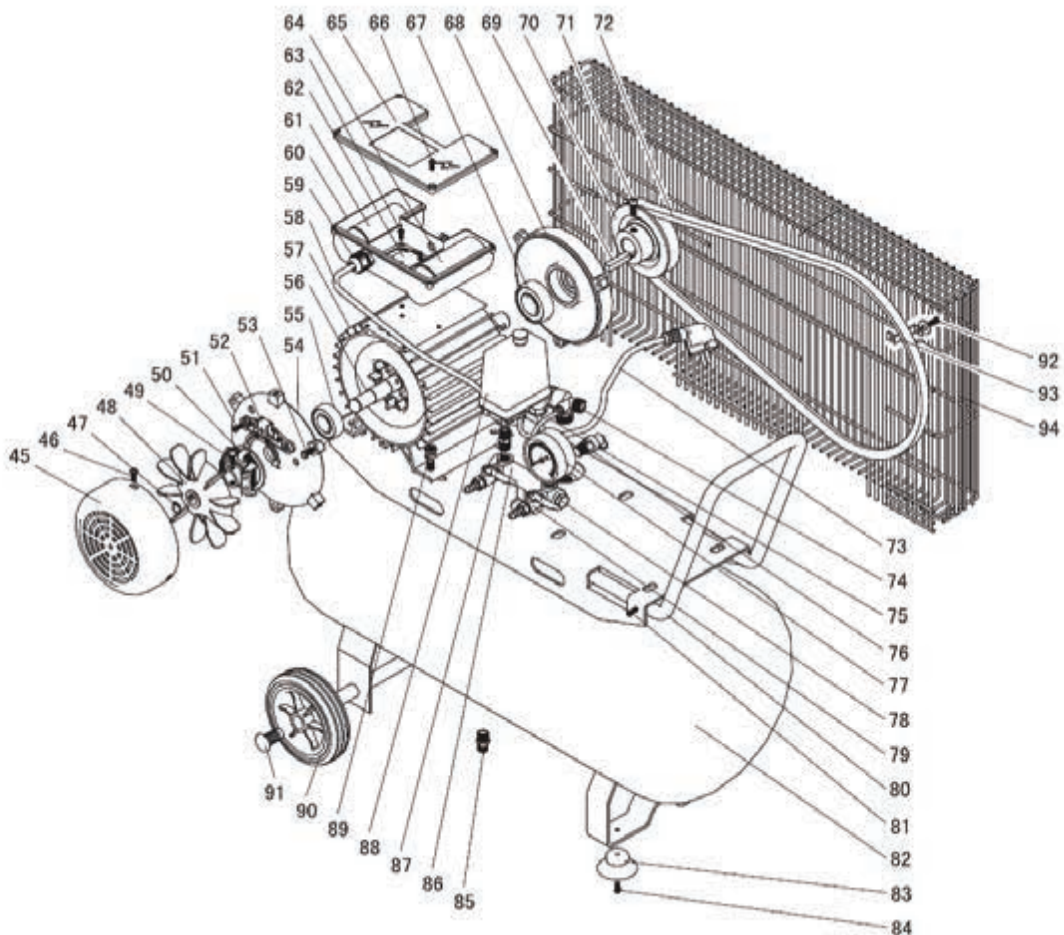
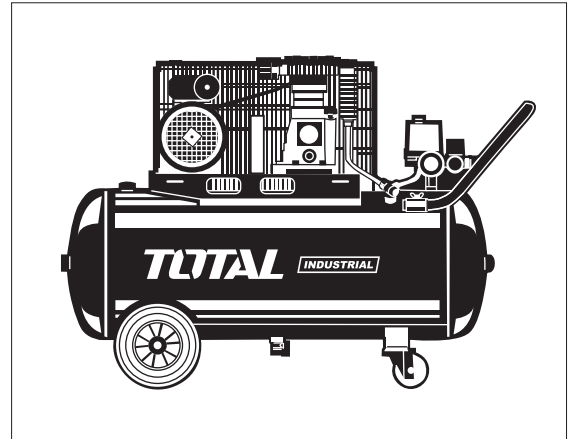
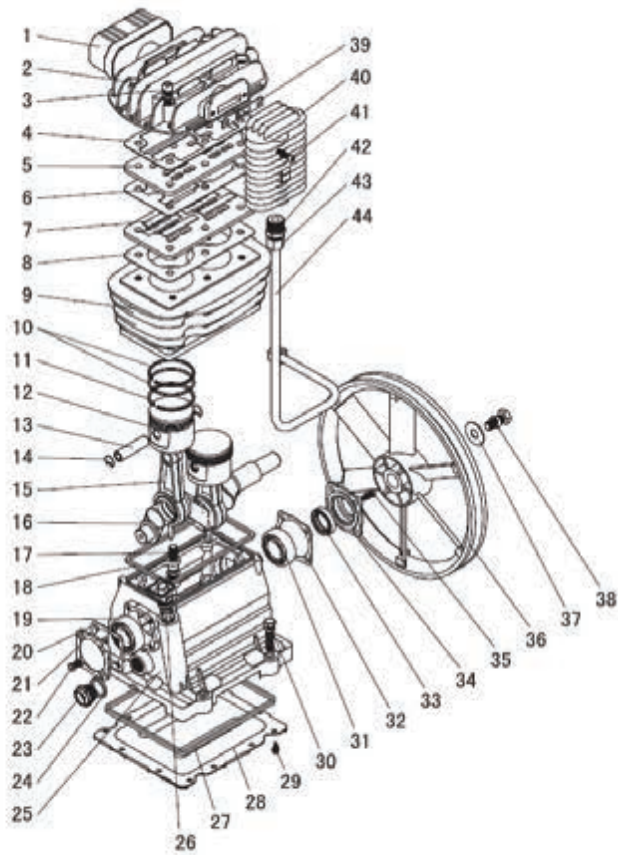
Causes of Breakdown and Maintenance of the Air-compressor

Breakdown	Possible Reasons	Maintenance
Less output air-quantity or inadequate pressure	1. The air volume required is beyond the rated. 2. Blockage of the inlet air filter 3. Adhesive of carbon or other substances on the valve block 4. Unfix of valve seat or damage of filler 5. Abrasion of valves or Ineffectiveness of spring 6. Air leakage of the exhaust pipes or connectors	1. Change with a more powerful air-compressor 2. Clean the cartridge or renew it 3. Strip it and clean it 4. Lock or renew it 5. Renew 6. Check the pipe or connectors with soap water and lock them up
Over pressure or the safety valve alarms	1. The set output voltage is higher than the rated 2. Damage of pressure switch or relieving valve 3. Too low pressure setting or Damage of safety valve	1. Adjust the voltage setting 2. Renew it 3. Adjust pressure or renew it
The gas is mixed up with oil or excessive consumption of fuel	1. Filling too much fuel; 2. Wrong installation of oil ring; 3. Inappropriate viscosity of oil; 4. Piston ring or cylinder head plug broke down 5. Blockage of the air-vent;	1. Adjust the oil quantity; 2. Change 3. Change to use correct lubricating oil 4. Renewal of new parts 5. Clear away the plug-ups.
Over vibration of the r-compressor	1. Excessive working pressure 2. Unstable foundation	1. Lessen the working pressure 2. Fix the foundation with cushion or otherwise
Too noise during the rotation	1. Unfix of valve seat 2. The piston impact the cover of the cylinder	1. Lock the valve seat 2. Intensify the filler
Superheat of the part in the compressor	1. Excessive working pressure 2. Super surrounding temperature bad ventilation	1. Lessen the working pressure 2. Move to a place with good ventilation
Constant leakage of saturated exhaust valve	1. Damage of exhaust valve 2. The check valve is blocked or damaged	1. Renew it 2. Stripped and checked or renewed
No sound after being charged	1. Imperfect wire connection or fuse break 2. the temperature controller stripped 3. Break down of the motor	1. Check the wires or change the fuse 2. After cooling, switch on temperature control to regain to see if the voltage is normal 3. Sent for maintenance
The motor makes sounds but does not work	1. Voltage drop caused by super extension Wire 2. Inadequate voltage 3. Motor over load 4. Break down of the motor	1. Shorten the extension wire or charge to use a proper power line 2. Ask the electric power company to repair 3. Release the pressure of the drum and reduce the load 4. Sent for maintenance

Please turn on the air switch to discharge the pressure in the drum before maintenance.

Model	TC1300506 TC1300506S-2 TC1300506T	TC1300506-8	UTC1300506	TC1301006 TC1301006S-2 TC1301006T	TC1301006-8	UTC1301006
Rated Voltage(V)	220-240~	220-240~	110-120~	220-240~	220-240~	110-120~
Rated Frequency(Hz)	50	60	60	50	60	60
Input power (kW/PH)	2.2 (3.0)	2.2 (3.0)	2.2 (3.0)	2.2 (3.0)	2.2 (3.0)	2.2 (3.0)
No-load speed(/min)	1100	1100	1100	1100	1100	1100
Tank capacity(L/Gal)	50(13.2)	50(13.2)	50(13.2)	100(26.4)	100(26.4)	100(26.4)
Max. operating pressure(Bar/PSI)	8(116)	8(116)	8(116)	8(116)	8(116)	8(116)
Air displacement (L/min)	236	236	236	236	236	236
Protection type	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Net weight(Kg)	64	64	64	76	76	76

TC1300506, UTC1300506, TC1300506S-2,
 TC1300506-8, TC1300506T
 TC1301006, UTC1301006, TC1301006S-2,
 TC1301006-8, TC1301006T Exploding view



**TC1300506,UTC1300506,TC1300506S-2,
TC1300506-8,TC1300506T
TC1301006,UTC1301006,TC1301006S-2,
TC1301006-8,TC1301006T Spare part list**

No.	Part Description	Qty	No.	Part Description	Qty
1	air filter	1	37	washer	10
2	cylinder head	1	38	screw	1
3	screw	1	39	cooler packing	1
4	valve packing 1	1	40	cooler	1
5	valve seat	1	41	screw	1
6	valve packing 2	1	42	connector	1
7	valve plate	1	43	screw cap	1
8	valve packing 3	1	44	cuprum pipe	1
9	cylinder	1	45	fan cover	1
10	compression ring	1	46	screw	1
11	scraper ring	1	47	snap ring 2	1
12	piston	1	48	fan	1
13	piston pin	1	49	screw	1
14	snap ring 1	1	50	centrifugal switch	1
15	connecting rod	1	51	screw	1
16	crank shaft	1	52	osculant plate	1
17	screw	1	53	screw	1
18	cylinder o ring	1	54	motor cover(back)	1
19	bearing 1	1	55	bearing 3	1
20	front cover packing	1	56	motor	1
21	front cover	1	57	motor shell	1
22	screw	1	58	electrical wire	1
23	oil glass	1	59	connector	1
24	o ring	1	60	capacitor box	1
25	crank case	1	61	capacitor 1	1
26	dipstick	1	62	reset	1
27	crank case o ring	1	63	screw	1
28	nether cover	1	64	capacitor 2	1
29	screw	1	65	capacitor box cover	1
30	crank case screw	1	66	screw	1
31	bearing 2	1	67	bearing 4	1
32	back cover packing	1	68	motor cover(front)	1
33	seal	1	69	key	1
34	back cover	1	70	motor pulley	1
35	screw	1	71	screw	1
36	pulley	1	72	belt	1

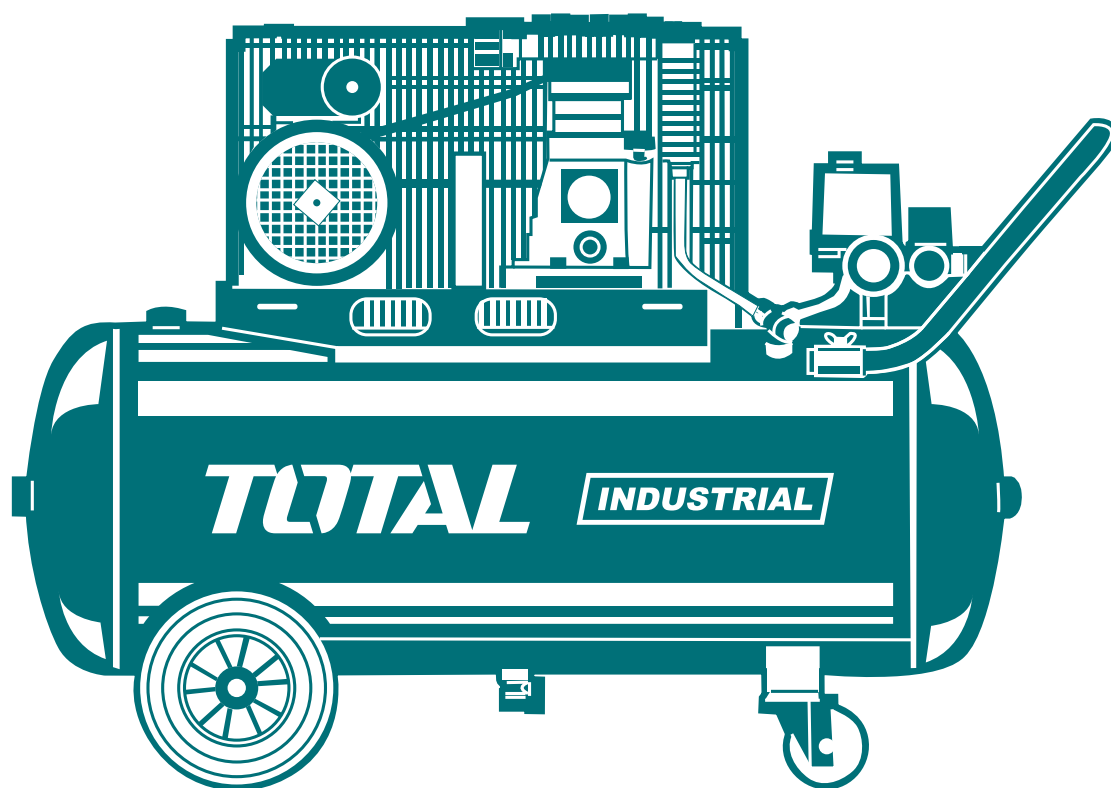
**TC1300506,UTC1300506,TC1300506S-2,
 TC1300506-8,TC1300506T
 TC1301006,UTC1301006,TC1301006S-2,
 TC1301006-8,TC1301006T Spare part list**

No.	Part Description	Qty	No.	Part Description	Qty
73	electrical plug	1	84	screw	10
74	check valve kits	1	85	water drain valve	1
75	exhaust pipe	1	86	manifold connector	1
76	safety valve	1	87	connector	1
77	pressure gauge	1	88	pressure switch	1
78	stopples	1	89	screw	1
79	air discharge lock	1	90	wheel	1
80	handle	1	90	wheel pin	1
81	screw	1	92	screw	1
82	air tank	1	93	fixed frame	1
83	rubber foot	1	94	shield	1

TOTAL

One-Stop Tools Station

TOTAL



AIR COMPRESSOR

www.totaltools.cn
TOTAL TOOLS CO., PTE. LTD.
MADE IN CHINA
T1118.V03

3HP