



# TWIN TANK AIR COMPRESSOR

**OPERATOR'S MANUAL**



**TM350-10010**  
**TM350-20016**

**Ver: 1.01**

## TABLE OF CONTENTS

---

Warranty .....	2
Product Specifications .....	3
Product Diagram & Parts List .....	4
Safety Instructions .....	8
Maintenance .....	10
Trouble Shooting .....	10

### 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.**

PRODUCTS IMPORTED AND DISTRIBUTED NATIONALLY BY:



**INDUSTRIAL TOOL & MACHINERY SALES**  
18 BUSINESS ST, YATALA QLD 4207  
T: 07 3287 1114 E: sales@industrialtool.com.au  
F: 07 3287 1115 W: www.itmtools.com.au

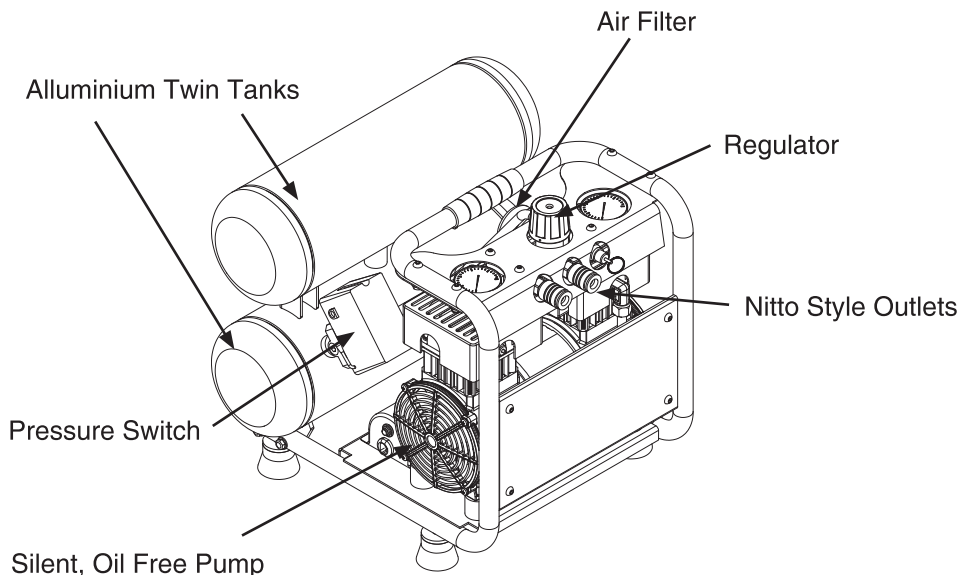
## **! SAFETY INFORMATION**

Please read and understand this entire manual before attempting to operate the product. Improper operation or maintenance of this product could result in serious injury and property damage. Read and understand all warnings and operation instructions before using this equipment. When using air tools, basic safety precautions should always be followed to reduce the risk of personal injury.

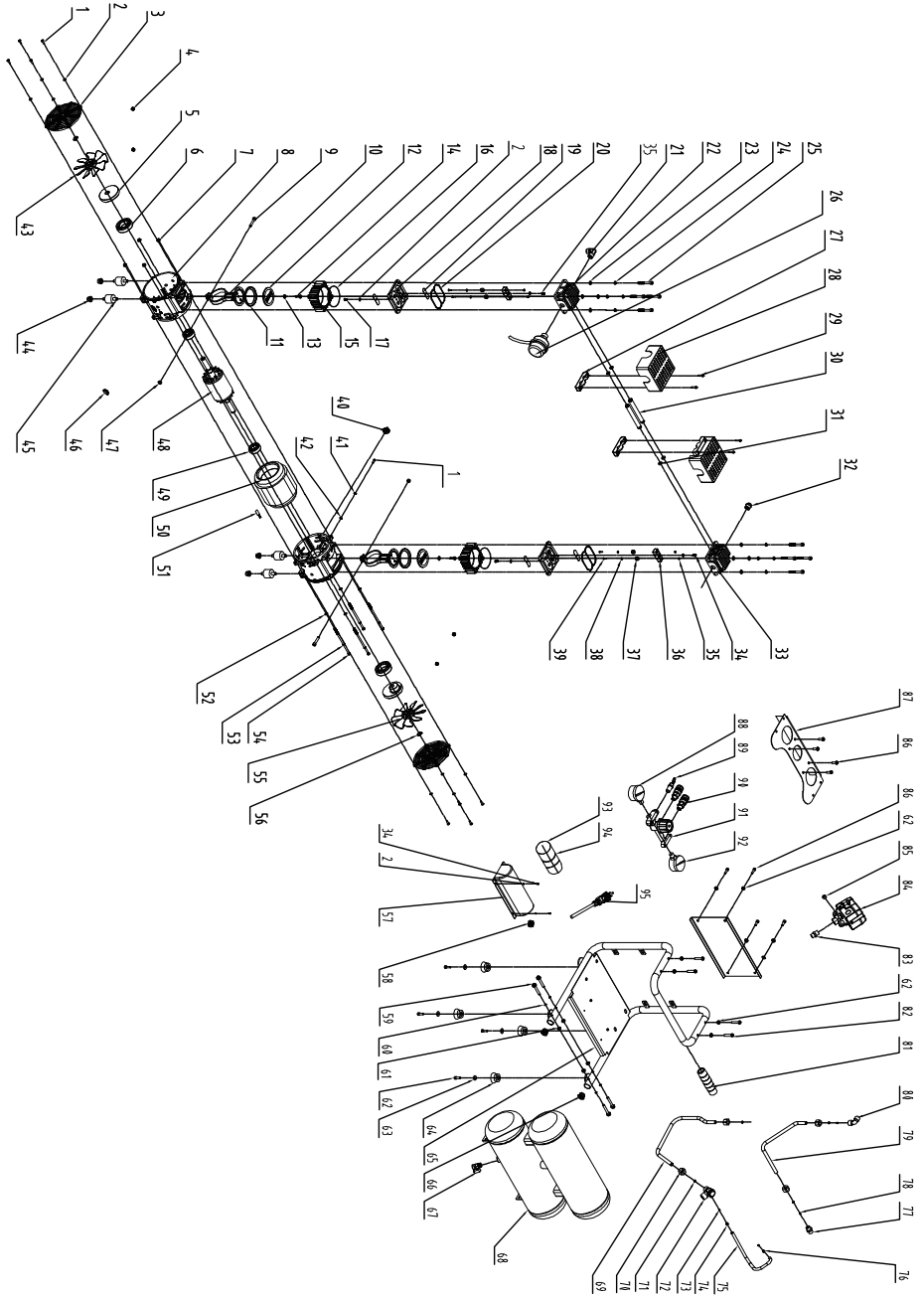
**ITM air compressors are manufactured to AS1210 Standards.**

## **PRODUCT SPECIFICATIONS**

<b>COMPONENT</b>	<b>SPECIFICATIONS</b>	
Model No.	TM350-10010	TM350-20016
Motor	1.0 HP / 0.75 Kw	2.0 HP / 1.5 Kw
Rated Speed	1,400 rpm	1,400 rpm
Voltage	240 V / 50 Hz	240 V / 50 Hz
Tank	10 Litre	16 Litre
Max. Pressure	135 psi (9 Bar)	135 psi (9 Bar)
F.A.D.	62 Ltr/min	125 Ltr/min
Circuit Required	10 Amp	10 Amp
Weight	19Kg	26.4Kg



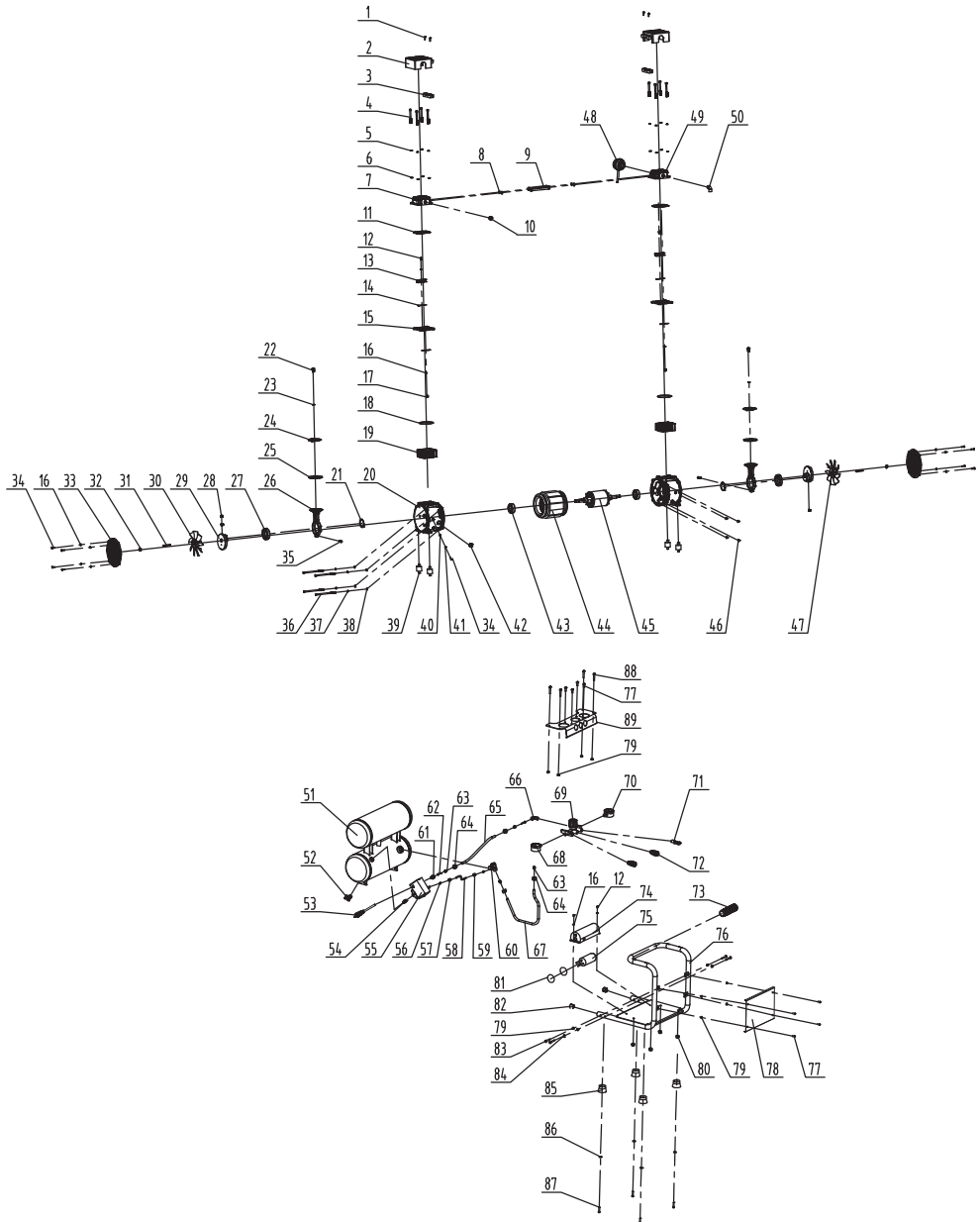
# PARTS DIAGRAM - TM350-10010



## PARTS LIST - TM350-10010

part	Description	Qty	part	Description	Qty
1	Screw	9	49	Ball bearing	2
2	Flat washer 16	14	50	Stator Assy.	1
3	Shield	2	51	Thermal protector	1
4	Screw	4	52	Flat washer	4
5	Crankshaft	2	53	Spring washer	4
6	Ball bearing	2	54	Bolt	4
7	Nut	4	55	Fan	1
8	Crank case	2	56	Circlip	2
9	Bolt	6	57	Capacitor box	1
10	Rod	2	58	Cable clip	3
11	Piston ring	2	59	Bolt	4
12	Lock block	2	60	Lock washer	4
13	Bonded washer	2	61	Nut	12
14	Bolt	2	62	Bolt	4
15	Cylinder	2	63	Flat washer	4
16	Seal ring	2	64	Foot pad	4
17	Screw	2	65	Frame Assy.	1
18	Valve plate	2	66	Frame end cap	2
19	Valve disc	4	67	Drain valve	1
20	Seal ring	2	68	Tank Assy.	1
21	Elbow pipe	1	69	Aluminium tube	1
22	Cylinder head I	1	70	Tube nut	4
23	Flat washer	8	71	Taper sleeve	4
24	Spring washer	8	72	Check valve	1
25	Bolt	8	73	Taper sleeve	2
26	Air filter	1	74	Tube nut	1
27	Latch segment	2	75	Aluminium tube	1
28	Cylinder cover	2	76	Tube nut	1
29	Screw	4	77	Straight joint	1
30	Air pipe	2	78	Bushing	2
31	Seal ring	4	79	Vent nylon tube	1
32	Easy-sart valve	1	80	Elbow pipe	1
33	Cylinder head II	1	81	Handle grip	1
34	Bolt 6	4	82	Bolt	4
35	Nut	4	83	Straight joint	1
36	Valve disc baffle	2	84	Pressure switch	1
37	Buffer	4	85	End cap	2
38	Flat washer	4	86	Bolt	8
39	Bolt	4	87	Control panel	1
40	Cable clip	2	88	Pressure gauge	1
41	Lock washer	1	89	Safety valve	1
42	Nut	1	90	Quick coupler	2
43	Fan	1	91	Pressure regulator	1
44	Nut	4	92	Pressure gauge	1
45	Rubber cushioning pad	4	93	O-ring	2
46	Plastic plug	1	94	Capacitor	1
47	Nut	2	95	Power plug	1
48	Rotor Assy.	1			

# PARTS DIAGRAM - TM350-20016



## PARTS LIST - TM350-20016

part	Description	Qty	part	Description	Qty
1	Screw	4	46	Nut	4
2	Cylinder cover	2	47	Fan	1
3	Fixed block for cylinder cover	2	48	Air filter	1
4	Bolt	8		Hosse pipe	1
5	Spring washer	8	49	Cylinder head	1
6	Flat washer	8	50	Elbow pipe	1
7	Cylinder head	1	51	Tank Assy.	1
8	Sear ring	4	52	Drain valve	1
9	Air pipe	2	53	Power line	1
10	Easy start valve	1	54	Straight joint	1
11	Seal ring	2	55	Pressure switch	1
12	Screw	4	56	Taper sleeve	2
13	Valve plate baffle	2	57	Tube nut	1
14	Valve disc	4	58	Aluminium tube	200mm
15	Valve plate	2	59	Tube nut	1
16	Flat washer 16	15	60	Check valve	1
17	Screw 6	2	61	Straight joint	1
18	Seal ring	2	62	Bushing	2
19	Cylinder	2	63	Taper sleeve	4
20	Crank case	2	64	Tube nut	4
21	Shaft ring	2	65	Vent nylon tube	250mm
22	Screw	2	66	Straight joint	1
23	Bonded washer	2	67	Aluminium tube	500mm
24	Lock block	2	68	Pressure gauge	1
25	Piston ring	2	69	Pressure regulator	1
26	Rod	2	70	Pressure gauge	1
27	Ball bearing	2	71	Safety valve	1
28	Screw	4	72	Quick coupler	2
29	Crankshaft	2	73	Handle grip	1
30	Fan	1	74	Capacitor box	1
31	Flat key	2	75	Motor-run capacitor	1
32	Shaft ring	2	76	Frame Assy.	1
33	End cover	2	77	Bolt	8
34	Bolt	9	78	Guard plate	1
35	Screw	2	79	Nut	12
36	Bolt	4	80	Nut	4
37	Spring washer	4	81	O-ring	2
38	Flat washer	4	82	Framer end cap	2
39	Rubber cushioning pad	4	83	Bolt	4
40	Nut	1	84	Lock washer	1
41	Lock washer	1	85	Foot pad	4
42	Plastic plug	1	86	Gasket	4
43	Ball bearing	2	87	Screw	4
44	Stator Assy.	1	88	Screw	4
45	Rotor Assy.	1	89	Control Plate	1

---

## GENERAL SAFETY RULES FOR OPERATION

---

Before attempting to operate this compressor the following basic safety precautions should always be taken to reduce the risk of fire and personal injury. It is important to read the instruction manual to understand the application, limitations and potential hazards associated with any tool. They are designed for the safety of yourself and others, ensuring a long and trouble free service life from your machine.

### Work Area

- a. Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- b. Floors should be kept clean and free from rubbish. Special care should be taken if the floor is slippery due to sawdust or wax.
- c. Keep children and bystanders away while operating a compressor. Distractions can cause you to lose control.
- d. Do not use compressor in areas where there is a risk of explosion or fire from combustible materials, flammable liquids, e.g., paint, varnish, petrol etc or flammable gases and dust of an explosive nature.

### Electrical Safety

- a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. Do not expose the compressor to rain or wet conditions. Water entering the electric motor will increase the risk of electric shock.
- c. Do not abuse the cord. Never use the cord for pulling or unplugging the compressor. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

### Personal Safety

- a. Stay alert, watch what you are doing and use common sense when operating a compressor. Do not use while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating this compressor may result in serious personal injury.
- b. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes or hearing protection used for appropriate conditions will reduce personal injuries.
- c. Avoid accidental starting. Ensure the switch is in the off-position before plugging in.
- d. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- e. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.



## **GENERAL SAFETY RULES FOR OPERATION**

---

### **General**

- a. Do not operate the compressor without the motor and pump cowling being correctly fitted.
- b. Do not attempt to modify the compressor in any way.
- c. The use of any tool or accessory other than those designed for use with compressed air could result in injury to the operator.
- d. The output pressure of the compressor should be adjusted to the design pressure of the air tool or accessory being used.
- e. Always check that the output of the compressor does not exceed the maximum pressure for any attached tool or accessory.
- f. Repairs should only be carried out by qualified persons using original spare parts. Failure to do so may result in considerable danger to the user.

### **Breathable Air Warning**

This compressor/pump is not equipped and should not be used to supply breathing quality air for any application of air for human consumption.

### **Check Damaged Parts**

Before using the compressor it should be carefully checked to determine that it will operate properly and perform its intended function. Check for the correct alignment of moving parts ensuring they do not bind. Check for broken or missing parts and have them replaced or repaired at an authorised service centre. Check any other condition that may affect the operation of the compressor. A guard or any other part of the compressor that is damaged should be properly repaired or replaced by an authorised service centre.

### **Disconnect Compressor**

Ensure that the compressor is disconnected from the mains supply and the tank is empty when not in use, before servicing, lubricating or making adjustments to air lines when changing accessories such as blades, bits, nails and cutters on air tools.

### **Avoid Unintentional Starting**

Ensure that the switch is in the OFF position before plugging the compressor into the mains supply.

### **Turning The Compressor ON And OFF**

Only turn the compressor on and off by using the lever on the side of the pressure switch, do not leave it on and switch the compressor on or off from the power supply. Turning the unit on and off from the mains supply only will result in damage to the motor and void warranty as the pressure switch has an additional function to purge the air trapped in the delivery pipe when the motor is turned off. This minimises the load on the motor when it is next started.



## WARNING

Ensure the compressor is disconnected from the power supply when performing maintenance tasks to avoid injury.

MAINTENANCE REQUIRED	FREQUENCY
Drain the condensation from the air tank	Before each use
Check for loose nuts / bolts and tighten	Before each use
Check for air leaks	Before each use
Remove air filter and clean (or replace as required)	Weekly
Tighten cylinder head bolts	Every 6 Months
Clean and check non return valve	Every 6 Months

## TROUBLE SHOOTING

TROUBLE	POSSIBLE CAUSES	REMEDIES
Motor unable to run or running slow	<ul style="list-style-type: none"> <li>• Fault in line, or voltage insufficient</li> <li>• Power wire too thin or too long</li> <li>• Fault in pressure switch</li> <li>• Fault in motor</li> <li>• Sticking of main compressor</li> </ul>	<ul style="list-style-type: none"> <li>• Check the line</li> <li>• Replace the wire</li> <li>• Repair or replace</li> <li>• Repair or replace</li> <li>• Check and repair</li> </ul>
Excessive vibration or abnormal Noise	<ul style="list-style-type: none"> <li>• Connecting part loose</li> <li>• Foreign body got into main compressor</li> <li>• Piston knocking valve seat</li> <li>• Moving parts seriously worn</li> </ul>	<ul style="list-style-type: none"> <li>• Check and retighten</li> <li>• Check and clean away</li> <li>• Replace with thicker paper gasket</li> <li>• Repair or replace</li> </ul>
Pressure insufficient or discharge capacity decreased	<ul style="list-style-type: none"> <li>• Motor running too slow</li> <li>• Air filter choked up</li> <li>• Leakage of safety valve</li> <li>• Leakage of discharge pipe</li> <li>• Sealing gasket damaged</li> <li>• Valve plate damaged, carbon buildup or stuck</li> <li>• Piston ring and cylinder worn or damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Check and remedy</li> <li>• Clean or replace the cartridge</li> <li>• Check and adjust</li> <li>• Check and repair</li> <li>• Check and replace</li> <li>• Replace and clean</li> <li>• Repair or replace</li> </ul>