

User's Manual **m7**
QT-113
AIR TYRE BUFFER

Read this manual carefully before installing, operating, servicing or repairing.

Working environment:

- Using these tools in any potentially explosive environment is strictly prohibited.
- It is always recommended that these types of tools must be operated when standing on a solid or firm location.
- Always use these tools in a well ventilated area.
- Slipping, stumbling and falling are the major causes of potential serious injury, therefore, a clean and clutter free surface in the working area before operating the tools is strongly recommended.

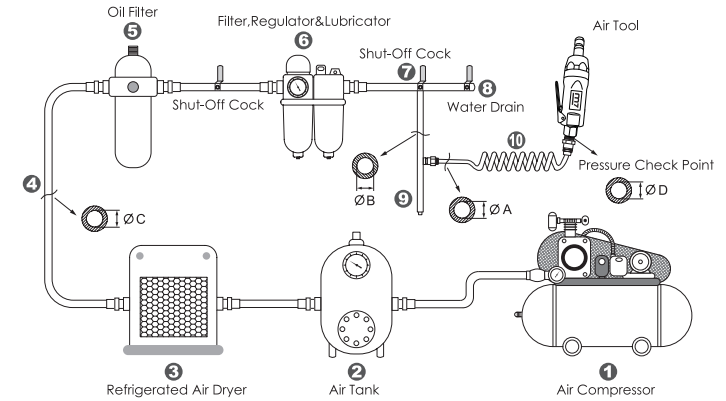
Air supply and connection requirements:

- The maximum recommended air pressure during operation must not exceed 90 psi (6.3bar). Higher air pressure may create unsafe operating conditions for the tool and the user.
- The compressed air should be cooled and have a water filter installed at the outlet end of the compressor. Even with a water filter installed, some water may still condense in the piping or hose and will enter the tool mechanism causing premature damage to the tool. Therefore, it is recommended to install an air filter-lubricator device somewhere between the tool and the compressor.
- Always use an air compressor of the proper capacity to operate each tool.
- Clean the hose with a blast of compressed air before connecting the hose to the air tool. This will prevent both moisture and dust inside the hose from entering the tool and causing possible rust or malfunction.

Warning:

- This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
- This tool is specially designed for riveting sheet metals together. Any application or use of this tool other than what it is designed for is strictly prohibited.
- High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
- Wearing eye/face protection can reduce the danger of high-speed materials being ejected from tool use.
- User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
- Make sure that the all the specifications of the rivets to be used are compatible with this tool.
- Check the protection against the ejecting of rivet stem in place and is operative.
- Make certain to stand on a solid or firm location and keep body in well-balanced position while operating this tool.
- Always turn off the air supply and disconnect the air hose before changing rivet nose or making adjustments on this tool.
- Release the throttle lever to avoid danger if there is a failure of energy supply or when connecting or disconnecting the air hose.
- Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
- It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
- Beware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.

Ideal system connection:



Piping diameters and length requirement:

- ★The diameter ΦA required for the inlet pipe (10) is recommended on the specification table.
- ★The diameter ΦB required for the branch pipe (from 7 to 9) should be 2 times as large as ΦA .
 $\Phi B = 2 \times \Phi A$
- ★The diameter ΦC required for the primary air supply (from 1 to 3) should be 3 times as large as ΦA .
 $\Phi C = 3 \times \Phi A$
- ★The length for the inlet pipe (10) should be less than 15 feet (4.5m).



EC DECLARATION OF CONFORMITY

Original Language
Serial Number: Please refer to the tool
Air Die Grinder
Item No.: QT-113
6.3 bar (90. psi)

We declare under our own responsibility that the above machinery fulfils all the relevant provisions of (MD) Machinery Directive 2006/42/EC and its amendment and is manufactured and tested according to the following standards:
EN ISO 11148-9:2011 / EN ISO 15744:2008 / EN ISO 28927-12:2012

Declared in: Taichung, Taiwan
Dated: 2013/06/01

Signature

Jonney Chen

Jonney Chen
Declared by: QA Manager



Manufacturer:

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Part List Item No.: QT-113 **CE**

NO.	PART NO.	DESCRIPTION	Q'TY
1	QT-113P01	Air Inlet	1
2	QT-113P02	Inlet Bushing "O" Ring	1
3	QT-113P03	Exhaust Deflector	1
4	QT-113P04	Motor Housing	1
5	QT-113P05	Ball Bearing	1
6	QT-113P06	End Plate	1
7	QT-113T07	Pin (2 pcs)	1 SET
8	QT-113P08	Rotor	1
9	QT-113T09	Rotor Blade (4 pcs)	1 SET
10	QT-113P10	Rotor Collar	1
11	QT-113P11	Cylinder	1
12	QT-113P12	Steel Ball	1
13	QT-113P13	End Plate	1
14	QT-113P14	Ball Bearing	1
15	QT-113P15	Washer	1
16	QT-113P16	Ball Bearing	1
17	QT-113P17	Gear Case	1
18	QT-113T18	Planet Gear (2 pcs)	1 SET
19	QT-113T19	Pin (2 pcs)	1 SET
20	QT-113P20	Ball Bearing	1

NO.	PART NO.	DESCRIPTION	Q'TY
21	QT-113P21	Internal Gear	1
22	QT-113T22	Clamp Nut	1
23	QT-113P23	Spring	1
24	QT-113P24	Air Regulator	1
25	QT-113P25	"O" Ring	1
26	QT-113P26	"O" Ring	1
27	QT-113P27	Valve Screw	1
28	QT-113T28	"O" Ring (2 pcs)	1 SET
29	QT-113P29	Throttle Valve	1
30	QT-113T30	"O" Ring (2 pcs)	1 SET
31	QT-113P31	Valve Bushing	1
32	QT-113P32	Throttle Lever	1
33	QT-113P33	Pin	1
34	QT-113P34	Nut	1
35	QT-113P35	Quick Change Retainer	1
36	QT-113P36	Adaptor	1
37	QT-113T37	Bushing (2 pcs)	1 SET

Item No.	Quick change Chuck size	Motor	Free Speed	Avg. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration level
	inch	rpm	RPM	CM ³	PSI	inch	lbs	inch	dB(A) 1m	m/s ²
Illustrator										
QT-113	7/16"	0.5	2500	10.6	90	9-3/4"	1.76	3/8"	75.0	0.87

Uncertainty K=0.5a if a ≤ 5 m/s² or K=0.4a if a > 5 m/s²



Air Tyre Buffer
Item No.: QT-113

