User's Manual QE-933 Air Reversible Drill

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

Working environment:

1.Using these tools in any potentially explosive environment is strictly prohibited.

2.It is always recommended that these types of tools must be operated when standing on a solid or firm location.

3.Always use these tools in a well ventilated area.

4.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:

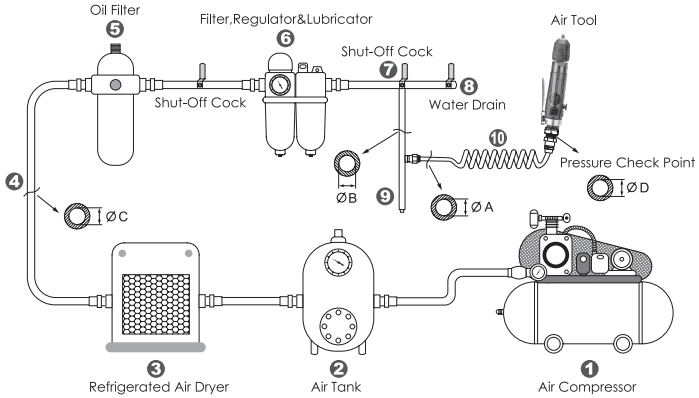
1.The maximum recommended air pressure during operation must not exceed 90 psi (6.3bar). Higher air pressure may create unsafe operating conditions for the tool and the user.

2.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.

3.Always use an air compressor of the proper capacity to operate each tool.

4.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.

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. ΦB = 2 x ΦA
★The diameter ΦC required for the primary air supply (from ① to ⑧) should be 3 times as large as ΦA. ΦC = 3 x ΦA
★The length for the inlet pipe ⑩ should be less than 15 feet (4.5m).

Warning:

1. This tool should only be used as a hand operated tool. It is powered by compressed air and is not insulated against electric shock.
2. This tool is specially designed for tightening or loosening bolts or nuts. Any application or use of this tool other than what it is designed for is strictly prohibited.
3. Use only pneumatic impact sockets and accessories on this tool. Never use hand sockets or accessories.
4. High sound levels may cause hearing damage. Always wear hearing protection when operating this tool.
5. Wearing eye/face protection can reduce the danger of high-speed socket being ejected from the tool, due to improper socket insertion during operation.
6. User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
7. Before using these tools, make sure that all couplings and plugs are securely mounted. Air hoses which are under pressure will cause a whipping action when disconnecting, this can lead to serious injury!
8. Make certain to stand on a solid or firm location and keep body in well-balanced position while operating this tool.
9. Test run the tool to confirm the rotation direction before practical use. This will reduce the potential hazard due to unexpected rotating direction.
10. In case of tool insert failure, always keep hands away from rotating socket to reduce the risk of being injured, especially when working in confined spaces.
11. Always turn off the air supply and disconnect the air hose before changing socket or making adjustments on the tool.
12. Release the throttle trigger to avoid danger if there is a failure of energy supply and when connecting or disconnecting the air hose.
13. Prolonged use will cause user fatigue. Periodic breaks are recommended for user safety.
14. It is recommended to stop operating the tool whenever the user experiences discomfort, tingling or pain during use.
15. Beware if the compressed air hose breaks unexpectedly, or is being connected or disconnected improperly. This whipping action may cause injury.
16. Always use caution when operating this tool to prevent injury.
17. Avoid storing this tool where it is subject to high humidity.

EC DECLARATION OF CONFORMITY

Original Language
Serial Number: Air Drills
Item No.: QE-933
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 11148-3 / EN ISO 15744 / EN ISO 28927-5

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

Signature

Jonney Chen
Declared by: QA Manager

Manufacturer:
Mighty Seven International Co., Ltd.
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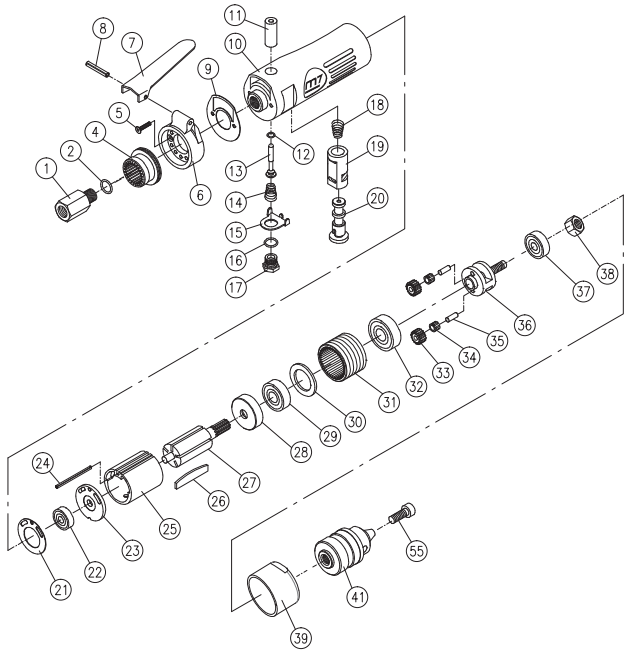
Air Reversible Drill
Item No：QE-933



Part List

QE-933

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	QE-933P01	Inlet Bushing	1	23	QE-933P23	Rear End Plate	1
2	QE-933P02	O-Ring	1	24	QE-933P24	Spring Pin	1
4	QE-933P04	Deflector	1	25	QE-933P25	Cylinder	1
5	QE-933T05	Screw (2PCS)	1 SET	26	QE-933T26	Rotor Blade (5PCS)	1 SET
6	QE-933P06	Housing Cap	1	27	QE-933P27	Rotor	1
7	QE-933P07	Lever	1	28	QE-933P28	Front Plate	1
8	QE-933P08	Spring Pin	1	29	QE-933P29	Ball Bearing	1
9	QE-933P09	Gasket	1	30	QE-933P30	Bearing Washer	1
10	QE-933P10	Motor Housing	1	31	QE-933P31	Internal Gear	1
11	QE-933P11	Valve Bushing	1	32	QE-933P32	Ball Bearing	1
12	QE-933P12	O-Ring	1	33	QE-933T33	Planet Gear (2PCS)	1 SET
13	QE-933P13	Throttle Valve	1	34	QE-933T34	Bushing (2PCS)	1 SET
14	QE-933P14	Valve Spring	1	35	QE-933T35	Planet Pin (2PCS)	1 SET
15	QE-933P15	Reverse Retainer	1	36	QE-933P36	Planet Cage	1
16	QE-933P16	O-Ring	1	37	QE-933P37	Ball Bearing	1
17	QE-933P17	Valve Screw	1	38	QE-933P38	Nut	1
18	QE-933P18	Reverse Spring	1	39	QE-933P39	Clamp Nut	1
19	QE-933P19	Reverse Bushing	1				
20	QE-933P20	Reverse Valve	1	41	QE-933P41	3/8" Chuck	1
22	QE-933P22	Ball Bearing	1	55	QE-933P55	Screw	1

Item No.	Chuck Size mm	Free Speed R.P.M	Ave.Air Consumption CFM	Air Pressure PSI	Overall Length inch	Net Weight LBS	Air Hose inch	Sound Pressure dBA	Vibration level m/s²
Illustrator									
QE-933	10	2600	3.0	90	8-15/32"	2.0	3/8"	72.0	2.5

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