

User's Manual **m7**
QE-633
Air Reversible Drill

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

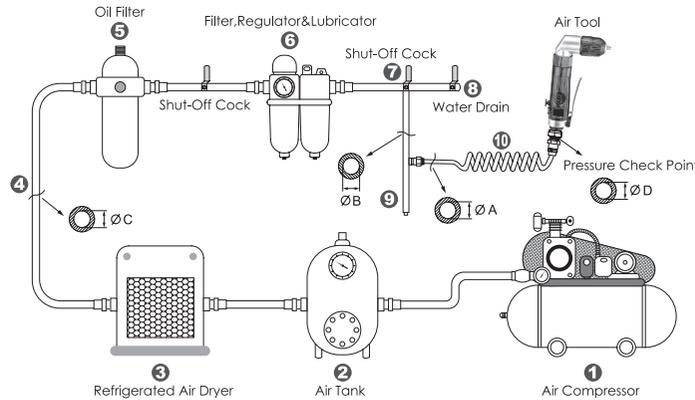
Working environment:

- 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.

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).

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 tightening or loosening bolts or nuts. Any application or use of this tool other than what it is designed for is strictly prohibited.
- Use only pneumatic impact sockets and accessories on this tool. Never use hand sockets or accessories.
- 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 socket being ejected from the tool, due to improper socket insertion during operation.
- User must wear proper clothing. Loose clothing, long hair, stings, straps, belts and jewelry should not be worn when operating this tool.
- 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!
- Make certain to stand on a solid or firm location and keep body in well-balanced position while operating this tool.
- Test run the tool to confirm the rotation direction before practical use. This will reduce the potential hazard due to unexpected rotating direction.
- 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.
- Always turn off the air supply and disconnect the air hose before changing socket or making adjustments on the tool.
- Release the throttle trigger to avoid danger if there is a failure of energy supply and 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.
- Always use caution when operating this tool to prevent injury.
- Avoid storing this tool where it is subject to high humidity.



EC DECLARATION OF CONFORMITY

Original Language
Serial Number: Air Drills
Item No.: QE-633
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

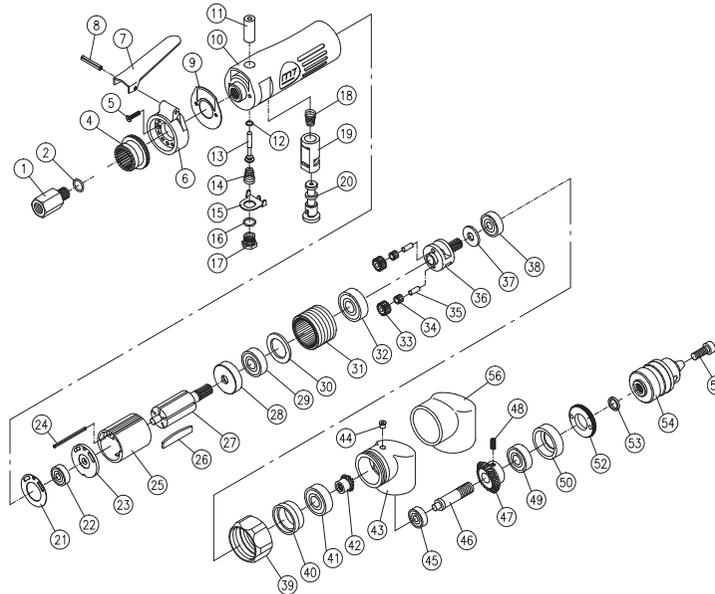
Jonney Chen
Declared by: QA Manager



Manufacturer:
Mighty Seven International Co., Ltd.
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m7 Air Reversible Drill
Item No : QE-633



Part List ----- **CE**
QE-633

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	QE-633P01	Inlet Bushing	1	29	QE-633P29	Ball Bearing	1
2	QE-633P02	O-Ring	1	30	QE-633P30	Bearing Washer	1
3				31	QE-633P31	Internal Gear	1
4	QE-633P04	Deflector	1	32	QE-633P32	Ball Bearing	1
5	QE-633T05	Screw (2PCS)	1 SET	33	QE-633T33	Planet Gear (2PCS)	1 SET
6	QE-633P06	Housing Cap	1	34	QE-633T34	Bushing (2PCS)	1 SET
7	QE-633P07	Lever	1	35	QE-633T35	Planet Pin (2PCS)	1 SET
8	QE-633P08	Spring Pin	1	36	QE-633P36	Planet Cage	1
9	QE-633P09	Gasket	1	37	QE-633P37	Washer	1
10	QE-633P10	Motor Housing	1	38	QE-633P38	Ball Bearing	1
11	QE-633P11	Valve Bushing	1	39	QE-633P39	Clamp Nut	1
12	QE-633P12	O-Ring	1	40	QE-633P40	Bearing Cap	1
13	QE-633P13	Throttle Valve	1	41	QE-633P41	Ball Bearing	1
14	QE-633P14	Valve Spring	1	42	QE-633P42	Pinion	1
15	QE-633P15	Reverse Retainer	1	43	QE-633P43	Angle Housing	1
16	QE-633P16	O-Ring	1	44	QE-633P44	Grease cup	1
17	QE-633P17	Valve Screw	1	45	QE-633P45	Ball Bearing	1
18	QE-633P18	Reverse Spring	1	46	QE-633P46	Spindle	1
19	QE-633P19	Reverse Bushing	1	47	QE-633P47	Gear	1
20	QE-633P20	Reverse Valve	1	48	QE-633P48	Set Screw	1
21	QE-633P21	Gasket	1	49	QE-633P49	Bearing	1
22	QE-633P22	Ball Bearing	1	50	QE-633P50	Bearing Cap	1
23	QE-633P23	Rear End Plate	1	51			
24	QE-633P24	Spring Pin	1	52	QE-633P52	Lock Nut	1
25	QE-633P25	Cylinder	1	53	QE-633P53	Spacer	1
26	QE-633T26	Rotor Blade (5PCS)	1 SET	54	QE-633P54	3/8" Chuck	1
27	QE-633P27	Rotor	1	55	QE-633P55	Screw	1
28	QE-633P28	Front Plate	1	56	QE-633P56	Cover	1

Item No.	Chuck Size	Free Speed	Ave. Air Consumption	Air Pressure	Overall Length	Net Weight	Air Hose	Sound Pressure	Vibration level
	mm	R.P.M	CFM	PSI	inch	LBS	inch	dBA	m/s ²
Illustrator									
QE-633	10	1600	3.0	90	8-1/4"	2.4	3/8"	72.0	2.5

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