

SUPER-CHARGE YOUR PRODUCTIVITY

MS-JY111-L HYDRAULIC UNIT

FASTER CYCLES,
MAXIMUM OUTPUT

SAFE, RELIABLE
PERFORMANCE
EVERY TIME

COMPACT
POWER, BUILT FOR
TOUGH JOBS

Reliable power and
precision for demanding
industrial fastening
applications.

 眉山中车紧固件科技有限公司
MEISHAN CRRC FASTENING SYSTEM CO., LTD.

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MS-JY111-L HYDRAULIC UNIT



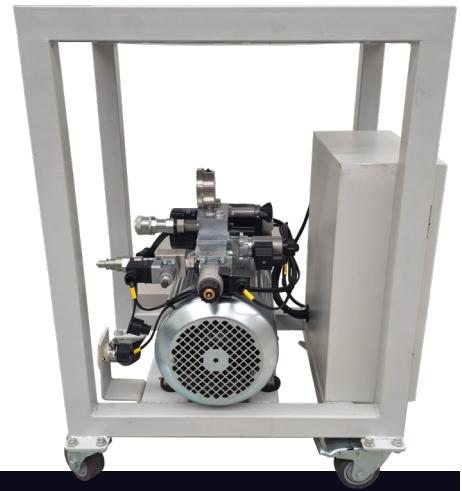
FEATURES

Reliable power and precision for demanding industrial fastening applications.

- **Powerful performance:** 1.5 kW motor, up to 70 MPa pressure.
- **Dual-pump system:** 1.11 L/min piston + 4.0 L/min gear pump.
- **Compact and portable:** 42 kg, 540 × 400 × 700 mm.
- **Durable design:** 8m explosion-proof hose rated 70 MPa.
- **Smart cooling and filtration:** built-in system for reliability.
- **Precise control:** adjustable pull/return pressure valves.
- **Universal fit:** quick couplers (Parker TC371/TC372).
- **Low maintenance:** replaceable filters, 250 h service cycle.
- **Safe operation:** emergency stop, overload and pressure release.
- **Versatile use:** rivet install/removal in rail and heavy industry.

BENEFITS

- **Boost productivity:** high power ensures fast, consistent riveting.
- **Work faster:** dual pumps enable smooth, rapid cycles.
- **Save space:** compact, portable for tight or remote sites.
- **Stay safe:** built-in safeguards protect users and tools.
- **Cut maintenance:** easy access and long service intervals.
- **Built to last:** durable with efficient cooling for continuous use.
- **Easy integration:** fits standard hydraulic tools and fittings.
- **Reliable performance:** stable pressure in tough conditions.
- **Versatile use:** adjustable pressure for fastening and cutting.



SPECIFICATIONS

Motor power: 1.5 kW

Instantaneous power: 6 kW

Voltage: 220 v ±10%, 50 Hz

Pump type: dual system – piston pump and gear pump

Piston pump flow: 1.11 L/min

Gear pump flow: 4.0 L/min

Maximum pressure (piston pump): 70 MPa

Maximum pressure (gear pump): 17 MPa

Unloading valve range: 1–15 MPa

Regulating valve range: 1–70 MPa

Pressure limiting valve (b way): 1–30 MPa

Hydraulic hose: 8m high-pressure hose, 4 mm id, 70 MPa rated pressure, 4× safety factor

Hydraulic fluid compatibility: iso vg 10–68 / din51524 (parts i–iii)

Recommended fluids: 32#, 46#, or 68# anti-wear hydraulic oil (depending on ambient temperature)

Operating temperature range: –25 °c to +80 °c

Weight: 42 kg

Dimensions (L × W × H): 540 mm × 400 mm × 700 mm

Electrical protection: circuit breaker, thermal relay, emergency stop

Cooling system: integrated liquid cooling

Quick-connect couplers: compatible with parker tc371 / tc372

Recommended power source: minimum 6 kW generator, single-phase 220 v output, 50 Hz

INDUSTRIES AND APPLICATIONS

Industries: rail and rolling stock manufacturing, mining and heavy equipment, trucking and transport, construction and infrastructure, energy and utilities, industrial fabrication and assembly.

Suitable for lockbolts ranging up to 1½" diameter.
Please contact your IEF representative regarding the appropriate tool and nose assembly for your application.