

QT4-24 Semi Auto Concrete Block Machine

Panel-controlled semi automatic press shipped in a plywood case, built for small scale hollow block, solid block and interlocking paver production.



Overview

The QT4-24 shares the 13.45 kW electrical vibration press and 35.5 kN vibration force of the QT40-1 and adds a control box, so the operator works from buttons on a panel rather than at the machine. It is shipped as one unit in a plywood case, which keeps ocean freight low and means the machine only has to be connected to power on arrival. Moulds change the product between hollow blocks, solid blocks and interlocking paver bricks.

Key Benefits

- Control box operation: the cycle runs from panel buttons rather than by hand
- Low total investment with a short capital turnover on small production volumes
- Simple structure that local fitters can maintain without factory support
- Plywood case packing that cuts the ocean freight bill on a small order
- Three block families from one press by changing the mould

Technical Parameters

Overall size	2060 x 1730 x 1850 mm
Host machine power	13.45 KW
Moulding period	30 s
Vibration force	35.5 KN
Pallet size	850 x 550 x 30 mm
Pallet quantity supplied	600 pcs
Machine weight	3 T
Mixer model	JD350, 5.5 KW, 1.2 m pan

Belt conveyor	6000 x 400 mm, 1.1 KW
Packing	Plywood case
Voltage	Built to local supply

Production Capacity

Block size (mm)	Pcs per mould	Pcs per hour	Pcs per 8 hours
400 x 100 x 200	7	630-840	5040-6720
400 x 150 x 200	5	450-600	3600-4800
400 x 200 x 200	4	360-450	2880-3600
400 x 250 x 200	3	270-360	2160-2880
240 x 115 x 53	24	2160	17280
225 x 112.5 x 60	12	959	7679

Capacity is indicative. Actual output varies with operator efficiency, mould and raw material quality.

Supplied Equipment

Item	Function	Power	Technical detail
JD350 mixer	Mixes sand, fly ash, cement, stone dust and aggregate	5.5 KW	1.2 m pan diameter
Belt conveyor	Feeds mixed material to the machine hopper	1.1 KW	6000 mm long, 400 mm wide
QT4-24 block machine	Electrical vibration moulding, product set by the mould	13.45 KW	No installation required
Control box	Panel buttons operate the moulding cycle	-	1 set
Block trolley	Moves pallets to the curing area	-	Supplied with the set

Who It Is For

- Buyers comparing semi automatic presses on delivered cost rather than list price
- Operators who want panel control instead of hand-operated levers
- Yards producing several block types in short runs

Use Guide

- Unpack the plywood case, position the machine on a firm level floor and connect power
- Set the mould for the block being produced and run a short trial batch
- Check the block edges after demoulding; adjust vibration time before running a full batch rather than after it
- Clean the mould at the end of each shift so cured cement does not build up on the moulding faces

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<https://www.chinabrickmate.com/products/qt4-24-manual-brick-making-machine.html>