THE M7M3-1

MEDIUM / LARGE PROJECT MACHINE

N.B
PAN MIXER HIGHLY RECOMMENDED

QUICK SPECIFICATIONS

INTERLOCKING BLOCKMAKING MACHINE

- Produces up to 1500 blocks per 8 hour shift
  = ± 40m² of walling/day*
  = ± 8 x 50m² houses/month*
- Single hydraulic block chamber
- Stationary
- Can be coupled with a second chamber for double production capacity
- Diesel powered (electric option available)

ADDITIONAL INFO

- Operating Staff: ± 9
- Standard 220mm mould fitted

ACCESSORY PRODUCTS:

- 300ℓ pan mixer
- Soil pulverizer
- Rotary Sieve for soil preparation

OPTIONAL ACCESSORIES:

- Various moulds available (see reverse page)
- 1 Year maintenance spares pack
- Blockyard tools
- Protective Gear for on site health & safety
- Block Cutter
- Block Tester
- RCB Moulds (Reinforced Concrete Beam)

INCREASED PRODUCTION CAPACITY OPTIONS

300ℓ PAN MIXER	ADDITIONAL ACCESSORY	PRODUCTION POTENTIAL
	• Using a pan mixer speeds up the mixing process and increases the machine's production. • Ensures a more consistent mix resulting in a better quality block.	Increases capacity up to 2200 blocks per 8 hour shift = ± 57m² of walling/day* = ± 12 x 50m² houses/month*
AUTOMATION CHAMBER**		
	• Adding automation speeds up block cycle time • Ensures the correct amount of pressure for consistent compaction	Increases capacity up to 2300 blocks per 8 hour shift = ± 62m² of walling/day* = ± 13 x 50m² houses/month*
 +  =		Increases capacity up to 3000 blocks per 8 hour shift = 78 m² of walling/day* = 17 x 50m² houses/month*

*Based on normal operations & following all Hydraform instructions in manual
** Block automation is automation of block making chamber only

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BLOCKS AND THE USES

BLOCK	DESCRIPTION	BLOCK APPLICATIONS

HYDRAFORM STANDARD 220MM INTERLOCKING BLOCK
This block is used to build load bearing walls using mortar in the super structure, by dry-stacking the blocks on each other in the wall. This block is used for all wall construction in housing and walling. This block will be perfect for ground + 1 construction.
Dimensions: 220mm (W) x 115mm (H) x 230mm (L)

HYDRAFORM STANDARD 180MM INTERLOCKING BLOCK
This 180mm wide, dry-stacking block is used in the construction of load bearing walls for single storey structures only. This block can be used on the first floor of double-storey structures, so as to reduce the weight, but cannot be used in the construction of the ground floor of a double-storey structure. The 180mm block uses 20% less material than the 220mm block.
Dimensions: 180mm (W) x 115mm (H) x 230mm (L)

HYDRAFORM STANDARD 150MM INTERLOCKING BLOCK
This 150mm wide, dry-stacking block is used in the construction of non-load bearing walls for internal walls providing a ring beam is used. This block can be used in the construction of multi-storey structures as an in-fill wall panel between concrete pillars or steel columns. The 150mm block uses 30% less material than the 220mm block.
Dimensions: 150mm (W) x 115mm (H) x 230mm (L)

HYDRAFORM STANDARD 140MM SEMI-INTERLOCKING BLOCK
This 140mm wide block is semi dry-stacking, and a wet cement slurry is poured between the two vertical joints of the blocks. This block is used for internal wall construction and as an in-fill wall panel between concrete pillars or steel columns. The 140mm block uses 36% less material than the 220mm block.
Dimensions: 140mm (W) x 115mm (H) x 230mm (L)

HYDRAFORM LONG BLOCK FOR CORNER CONSTRUCTION
This block is made on any of the Standard Hydraform moulds by double filling the block compression chamber, if the material allows. The long block is used for corner construction and replaces the need for a half block. The daily production of long blocks must be 10% of the daily production of standard blocks.
Dimensions: 150, 180, 220mm (W) x 115mm (H) x 280mm (L)

HYDRAFORM CONDUIT 220MM INTERLOCKING BLOCK
This 220mm wide, dry-stacking block is used to lay the electrical conduit horizontally within the wall structure so that minimal wall chasing is required. This block can also be used in seismic areas (as per engineer's design) to lay steel re-bar within the wall structure to strengthen the structure but also allow enough flexibility to resist collapse during an earthquake.
Dimensions: 220mm (W) x 115mm (H) x 230mm (L)

HYDRAFORM CAPPING 220MM BLOCK
This 220mm wide, dry-stacking block is used for capping of boundary walls and for window sills.
Dimensions: 220mm (W) x 115mm (H) x 230mm (L)

***Based on normal operations & following all Hydraform instructions in manual**