



Tiger Machine Company

CONCRETE PRODUCT MACHINES J SERIES

VERSATILE, ECONOMICAL
& DEPENDABLE



J-50

The J series of concrete product machines is TIGER'S most versatile and economical machine series offered for the production of high quality concrete masonry units for their size and price. These machines are truly multi-purpose machines capable of making concrete block, brick, retaining wall products and other landscape and hardscape products just as some other larger and more expensive machines can but do it with a much smaller investment.

The J series are durable, reliable easy to operate and maintain. They are engineered to be heavy-duty for continuous, dependable and long life operation. These machines require no expensive pits or foundations as they are mounted on a massive base plate and frame.

This series of machines includes the models J-50 and J-100, their design is unique in the world. The J series of machines vibration system uses multiple large vibrators that have specific uses such as compression and feeding of the material over the mold cavity. Each individually suited for its application. The vibration forces are concentrated on the mold so most of the energy available for vibro-compacting is used where is needed, at the forming mold. This allows the J series to make concrete products of the outmost quality and density.

The J series incorporate compacting head vibration systems assuring top quality face products. Available options for the J series include a removable front feed drawer system (unlike machines of this size and price range anywhere) that can be used for the manufacture of multiple layer products such as paving stones or mixing and blending of multi colors for any given product. The J series utilize medium pressure hydraulics to make it easy to maintain and safe to operate. A built-in Horizontal core puller option designed to be an integral part of the machine, not an after thought, is available.

These machines utilize a friendly touch-screen graphic operator interface. The control panel software has also electrical and system troubleshooting sub-routines, error history, automatic feed production reports and many other time saving and record keeping features. The J series can manufacture products from 40 and up to 200 mm in height with no difficulty whatsoever and with the same consistent density and finish at all heights. The J series has no equivalent in the world as they are unique in their design and operation. Unlike competitive models, the J-50 and J-100 machines are economical and very productive for their size and price.

J-50 With Face Mix Device - Out



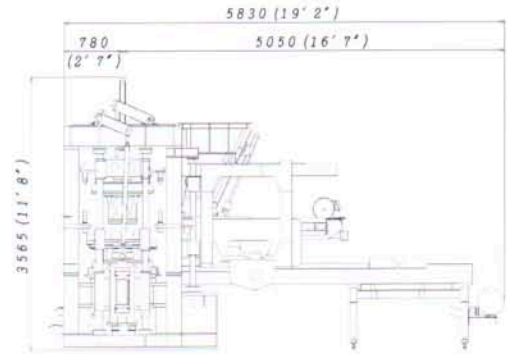
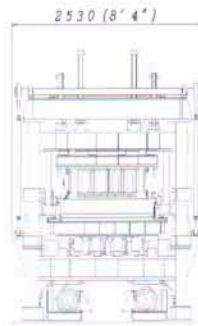
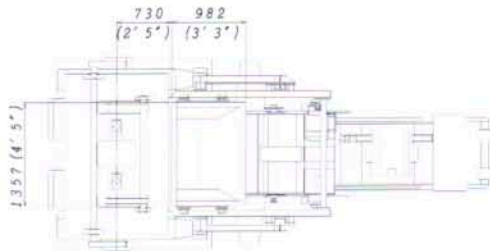
J-50 With Face Mix Device - In



Leadership through innovation.

Please discuss your plant requirements with a TIGER representative. Our TIGER team of experts in the field of concrete product manufacturing are ready to assess your needs and provide the equipment that best suits your requirements. Let us help you identify the correct J Series machine to fit your product applications.

J-50



Download these and other TIGER technical specifications at www.tigermachine.com/resources

J SERIES CONCRETE PRODUCTS MACHINES - SPECIFICATION

Available with:	J-50
Offbearing hoist system	OK
Rack loader & unloader systems	OK
Rack transfer systems (CR or RTS)	OK
Pallet transporter systems (PTS)	OK
Single pallet handling systems (SPH)	OK
Cuber systems	OK
Features	
Vibrator motors - kW	3.7 kW (4.9 hp) x pcs.
Pump motor - kW	30 kW (40 hp)
Hydraulic pump - Liter Per Minute	210 liters (55.26 Gallons)
Oil Cooling Fan/Heat Exchange Motor kW	0.4 kW (0.53 hp)
Hydraulic oil reservoir/Tank - Liters	650 liters (171 Gallons)
Recirculating pump motor - kW	2.2 kW (2.9 hp)
Recirculating pump - Liters per minute	138 liters (36.3 Gallons)
Hydraulic system pressure - MPa	12/15 MPa (1740/2175 psi)
Rotary agitator motor size -kW	5.5 kW (7.3 hp)
Compression head vibration	Standard - Pneumatic - Piston-Type
Capacity	
Steel pallet size - mm	978 x 660 x 12
Steel pallet size - inches	38.5" x 26" x 0.46"
Useable mold cavity - mm	950 x 640 x 45/215
Useable mold cavity - inches	37.40" x 25.18" x 1.765" x 8.46"
Productivity	
Average dry cycle speed in seconds	7.4
Average wet cycle speed in seconds	14
Average cycles per minute	4.29
Concrete masonry units per cycle/pallet	
10 cm/4" block per cycle/pallet	9
12 cm/5" block per cycle/pallet	7
15 cm/6" block per cycle/pallet	6
20 cm/8" block per cycle/pallet	4
25 cm/10" block per cycle/pallet	3
30 cm/12" block per cycle/pallet	3
Holland-Stone Pavers 10 x 20 cm	20
Dimensions & Weight	
Weight	16000 kg (32,200 lbs)
Machine size (W x H x L) - mm	2650 x 3600 x 5600
Machine size (W x H x L) - inches	104.65" x 141.73" x 220.46"

**J-100
Available
Soon!**

JOIN THE CONCRETE REVOLUTION!

TIGER reserves the right to change, discontinue or improve product design and specifications without prior notice.



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