



Tiger Machine Company

CONCRETE PRODUCTS MACHINES S SERIES

The TIGER S Series of concrete products machines is designed to manufacture high quality concrete masonry units via industry wide available mold vibration and at a high rate of speed. These machines are the fastest cycling hydraulic concrete products manufacturing machines in the world making high-quality concrete end products. Moreover, the S Series machines are fully interchangeable with block machines from other manufacturers.

These machines are highly flexible and economical. With very minor adaptations to existing handling systems and production pallet return systems, the S Series can be adapted for use with existing machine foundations, production pallets, return conveyors, frontal product delivery conveyors and most importantly, most existing molds.

One of the highlights of this machine is the capability of producing a very large range of products from 60mm high up to 215mm high (2-3/8" up to 8-15/32"). The machines use a simple quick mold change system to allow the manufacture of many different products by making multiple change molds within the same shift. Because of the unique design of the mold vibration system, neither a brake nor a clutch is required. The speed of the motor revolutions is programmable and can be varied during operation from a minimum of 2,400 rpm up to 3,200 rpm.

The machine is also equipped with a quick mold change system which releases the mold compression head directly. This is done from the control panel, requiring only the manual release of V-belts. The release is aided by a hydraulically operated inflation system (air bags) for the mold. The front mold delivery track is also panel actuated and hydraulically operated. This not only allows for mold changes in a shorter time, but also allows height changes in only an additional two (2) minutes. The supporting mold table is a thick solid steel plate mounted on isolating rubber dampers which will produce a better quality solid product such as paving stones and retaining wall units.

Although production rates vary depending on a multitude of factors, the S Series of machines (when producing standard, normal weight, hollow cored 20 cm (8") concrete block units) can attain speeds of six (6) seconds per cycle. This is equivalent to up to ten (-10-) cycles or production pallets per minute, thus making the S Series of machines the fastest hydraulic concrete products machines in the world bar none.



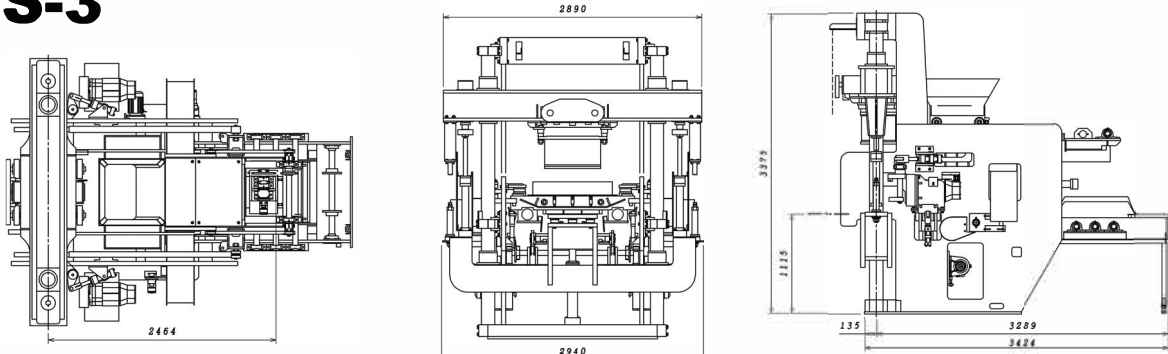
MODEL S-3



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 S Series machine to fit your product applications.

S-3



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

S SERIES MACHINES SPECIFICATIONS

Available with	S-3	S-4
Offbearing hoist systems	NA	NA
Rack loader & unloader systems	OK	OK
Rack and/or pallet transfer systems	OK	OK
Cubing systems	OK	OK
Features		
Vibrator motors - kW	15 kW x 2 pcs.	15 kW x 2 pcs.
Pump motor - kW	45 kW	45 kW
Hydraulic pump - Liters per minute	130 liters per min.	130 liters per min.
Oil Cooling Fan/Heat exchanger motor - kW	0.4 kW	0.4 kW
Hydraulic oil reservoir/Tank - Liters	650 liters	650 liters
Recirculating pump motor - kW	2.2 kW	2.2 kW
Block delivery	2 kW	2 kW
Pallet delivery	1.5 kW	1.5 kW
Swing agitator	Hydraulic	Hydraulic
Capacity		
Steel pallet size -mm	660 x 470 x 8	978 x 470 x 12
Useable mold cavity -mm	650 x 450 x 60/215	953 x 450 x 60/215
Productivity		
Average dry cycle speed in seconds	3.6	3.9
Max wet cycle speed in seconds	5.7	6
Cycles per minute	10.53	10.00
Concrete masonry units per cycle/pallet		
10 cm/4" block per cycle/pallet	6	9
12 cm/5" block per cycle/pallet	5	7
15 cm/6" block per cycle/pallet	4	6
20 cm/8" block per cycle/pallet	3	4
25 cm/10" block per cycle/pallet	2	3
30 cm/12" block per cycle/pallet	2	3
Holland-Stone pavers - 10 x 20 cm	12	16
Dimensions & Weight		
Weight	15,000 kg	16,200 kg
Machine size (Width x Height x Length) - mm	2,940 x 3,375 x 3,800	3,150 x 3,375 x 3,800
Machine size (Width x Height x Length) - inches	115.75" x 133.87" x 149.6"	124.0" x 133.87" x 149.6"

JOIN THE CONCRETE REVOLUTION

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



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Association

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