



Tiger Machine Company

CONCRETE PRODUCT MACHINES **D SERIES** PRODUCTIVE & COST EFFICIENT

The D Series of concrete products machines is TIGER'S intermediate capacity series. These machines are built to Japanese high quality standards and are durable, reliable and economical. This series of machines include the models D-3, D-4, D-5 & D-6. The D-3 being the smallest (3 at-a-time – 20 cm/8" block) and the D6 being the largest (6 at-a-time – 20 cm/8" block)



The D Series sets the stage for machines capable of doing what many other machines in the market can not, and doing it for less money.

The TIGER D Series of machines are one level up from the TIGER L & M Series. They are ruggedly constructed, with much more technical sophistication yet they are relatively simple to operate. Their unique design makes their operation, maintenance and repair simple and easy. The D Series are ideal replacement for obsolete more expensive competitive machines of similar size.

The D Series is a great group of machines to get started with in the concrete masonry products industry, and are more productive than many competitive models. This series of machines use medium hydraulic pressures for safety.

The D Series rely on a proven "mold vibration" design with a QUADRUPLE-VIBRATORS (one on each corner) synchronized to a simple pair of counter-rotating vibrator shafts that have counterweights to create the vibro-compacting force. Each machine has specially sized vibration systems, unique to each machine model and size. The QUAD-VIBRATOR design provides more uniform wave amplitude in the vibration allowing for more dense and homogeneous products.

Unlike competitive models, the D-3 & D-4 Series machines are available (optional & extra cost) with a Programmable Vibration System. This allows the operator to set the vibration forced required for each specific concrete products manufactured in the machine. (code named D-3V and D-4V).

In the D Series of machines the change of a mold does not require the effort required in competitive equipment. Its unique mold change format saves time, and allows multiple mold changes per shift if required to make a variety of products.

The model D Series machines are very versatile machines in their class and are capable to be installed with the largest variety of handling systems in the market for their size and production capacities.



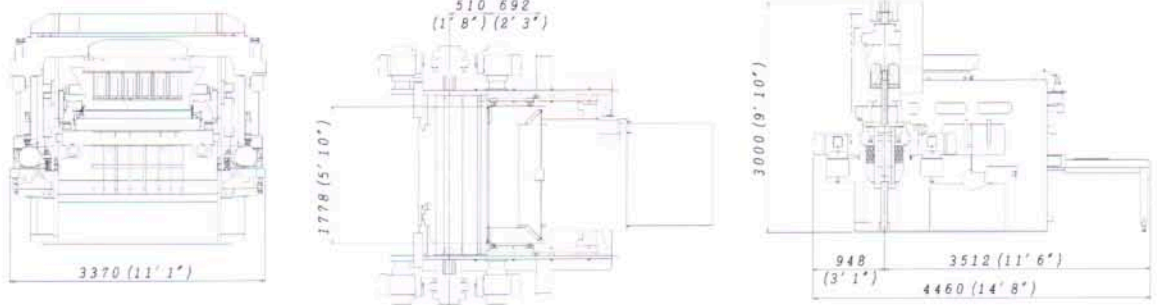
Leadership through innovation.

TIGER

D SERIES SPECIFICATIONS & FEATURES

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 D Series machine to fit your product applications.

D-6



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

D SERIES CONCRETE PRODUCTS MACHINES - SPECIFICATION

Available with:	D-3	D-4	D-5	D-6
Offbearing hoist system	OK	N/A	N/A	N/A
Rack loader & unloader systems	OK	OK	OK	OK
Rack transfer systems (CR or RTS)	OK	OK	OK	OK
Pallet transporter systems (PTS)	OK	OK	OK	OK
Single pallet handling systems (SPH)	OK	OK	OK	OK
Cuber Systems	OK	OK	OK	OK
Features				
Vibrator motors - kW	3.7 kW (4.93) x 4 pcs.	5.5 kW (7.33 hp) x 4 pcs.	5.5 kW (7.33 hp) x 4 pcs.	5.5 kW (7.33 hp) x 4 pcs.
Pump motor - kW	45 kW (60 hp)	45 kW (60 hp)	55 kW (73.3 hp)	55 kW (73.3 hp)
Hydraulic pump - Liter Per Minute	315 liters (82.8 U.S. Gallons)	315 liters (82.8 U.S. Gallons)	315 liters (82.8 U.S. Gallons)	315 liters (82.8 U.S. Gallons)
Oil Cooling Fan/Heat Exchange Motor kW	0.4 kW (0.53 hp)	0.4 kW (0.53 hp)	0.4 kW (0.53 hp)	0.4 kW (0.53 hp)
Hydraulic oil reservoir/Tank - Liters	750 liters (197.37 Gallons)	750 liters (197.37 Gallons)	800 liters (210.5 U.S. Gallons)	800 liters (210.5 U.S. Gallons)
Recirculating pump motor - kW	2.2 kW (2.93 hp)	2.2 kW (2.93 hp)	2.2 kW (2.93 hp)	2.2 kW (2.93 hp)
Recirculating pump - Liters per minute	138 liters (36.3 Gallons)	138 liters (36.3 Gallons)	138 liters (36.3 Gallons)	138 liters (36.3 Gallons)
Hydraulic system pressure - MPa	9/14.5 MPa (1305/2100 psi)	9/14.5 MPa (1305/2100 psi)	9/14.5 MPa (1305/2100 psi)	9/14.5 MPa (1305/2100 psi)
Rotary agitator motor size -kW	3.7 kW (4.93 hp)	3.7 kW (4.93 hp)	5.5 kW (7.33 hp)	5.5 kW (7.33 hp)
Capacity				
Steel pallet size - mm	660 x 470 x 8	940 x 470 x 11	1100 x 470 x 13	1320 x 470 x 14
Steel pallet size - inches	26" x 18.5" .31"	37" x 18.5" x .43"	45.31" x 18.5" x .5"	52" x 18.5" x .56"
Useable mold cavity - mm	650 x 450 x 60/215	920 x 450 x 60/215	1080 x 450 x 60/215	1300 x 450 x 60/215
Useable mold cavity - inches	25.5" x 17.75" x 2.37" - 8.5"	36.25" x 17.75" - 2.37"	42.5" x 17.75" x 2.37" - 8.5"	51.18" x 17.75" x 2.37" - 8.5"
Productivity				
Average dry cycle speed in seconds	4.5	4.5	4.8	4.8
Average wet cycle speed in seconds	9.5	9.5	10.5	10.5
Average cycles per minute	6.32	6.32	5.71	5.71
Concrete masonry units per cycle/pallet				
Holland-Stone Pavers - 10 x 20 cm	6	9	10	12
Tri-Hexagon pavers 20 x 20 cm	5	7	8	10
Spanish Adoquin 22 x 24 cm	4	6	7	8
Uni-Stone 11 x 22 cm	3	4	5	6
Cobble Full 15.7 x 22	2	3	4	5
Uni-Décor Std 13 x 22 cm	2	3	3	4
Cobble-Stone 15 x 22 cm	12	16	20	24
Dimensions & Weight				
Weight	10500 kg (23100 lbs)	12000 kg (26400 lbs)	14000 kg (30800 lbs)	15000 kg (33000 lbs)
Machine size (W x H x L) - mm	2710 x 3000 x 4450	2970 x 3000 x 4450	3120 x 3000 x 4450	3370 x 3000 x 4450
Machine size (W x H x L) - inches	106.68" x 118.12" x 175.18"	116.92" x 118.12" x 175.18"	122.82" x 118.12" x 175.18"	132.68" x 118.12" x 175.18"

JOIN THE CONCRETE REVOLUTION!

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



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