

# THE SERVOPAC® FAMILY OF MACHINES

## 3 MODELS STRONG

The Servopac has revolutionized concrete products manufacturing. Since the Classic was introduced in 2008 the family of machines has grown to include three models. Each model is engineered, manufactured and supported from the United States. These machines offer the responsiveness, reliability and versatility to produce the ever-growing variety of concrete products demanded by today's marketplace.

Quick mold and height changes, cycle speed and touch of a button machine adjustments combine to provide maximum machine

productivity and versatility. Smooth machine operation results in less dust creation when forming and delivering units.

This production flexibility allows producers to produce the products your customers need when they need them. Each machine can run both Besser and competitive molds so you can continue producing the units demanded in your marketplace without investing in new molds.

Like all Besser equipment, Servopacs are expertly supported by responsive, resourceful Besser employee owners, all dedicated to your success.

### SELECT

The Servopac® Select shares select features from that Classic that provide quick mold and height changes. It can be installed in a new installation and as a direct replacement for any existing machine using existing machine foundation. With standard Advanced Servo Vibration, the Select brings the ultimate in production to producers producing a range of concrete products at a lower cost than the Classic.

### CLASSIC

The Servopac® Classic was introduced to the industry in 2008. Today, Servopacs are operating at production facilities around the world. The Servopac Classic is designed for plants that make multiple mold and height changes per day that include small production runs. Its flexibility makes it the perfect, versatile machine for producers consolidating plants and needing to produce a wide variety of products.

### PREMIER

The Premier is a traditional big board machine, with Besser ingenuity. It's completely engineered and manufactured in the United States. The Premier is built like all Besser equipment — beefy, responsive, and adaptable. Like all Servopac models, mold and height changes are completed in less than fifteen minutes, with any machine adjustments made with the push of a button. Standard servo table (Impact) vibration provides independent frequency and amplitude control. The Premier is designed for production versatility, ease of operation, and simple maintenance.



**BESSER**  
Trusted Since 1904



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## Feature Comparison

	SERVOPAC Select	SERVOPAC Classic	SERVOPAC Premier
<b>PRODUCTION SPEED</b>	Up to 10 cycles per minute	Up to 8 cycles per minute	Up to 6 cycles per minute
<b>PALLET TYPE</b>	Steel	Steel	Wood / Composite / Steel
<b>PALLET/BOARD SIZES</b>			
<b>3 AAT</b>	Up to 29" x 20.5" x 0.3125" (737 mm x 521 mm x 8 mm)	Up to 29" x 20.5" x 0.3125" (737 mm x 521 mm x 8 mm) Optional deep pallet of 26" (660 mm)	Not Available
<b>4 AAT</b>	Up to 38.5" x 20.5" x 0.375" (967 mm x 521 mm x 10 mm)	Up to 38.5" x 20.5" x 0.375" (967 mm x 521 mm x 10 mm) Optional deep pallet of 26" (660 mm)	Not Available
<b>5 AAT</b>	Not Available	Up to 42" x 20.5" x 0.375" (1067 mm x 521 mm x 10 mm) Optional deep pallet of 26" (660 mm)	Not Available
<b>6 AAT</b>	Not Available	Up to 55" x 20.5" x 0.625" (1400 mm x 521 mm x 16 mm) Optional deep pallet of 26" (660 mm)	Not Available
<b>8 AAT</b>	Up to 38.5" x 34.5" x 0.5" (978 mm x 880 mm x 12 mm)	Not Available	Not Available
<b>12 AAT</b>	Not Available	Not Available	Up to 55" x 47" x 0.625"
<b>Minimum Product Height</b>	1" / 25 mm (with flat top mold)	1" / 25 mm (with flat top mold)	1" / 25 mm (with flat top mold)
<b>Maximum Product Height</b>	12" / 300 mm	12" / 300 mm	20" / 500 mm
<b>MATERIAL FEED SECTION</b>			
<b>Material Feed</b>	Hopper w/ rotating drum and adjustable gate Laser sensor to meter material into feedbox	Hopper w/ adjustable gates to meter material Material feedbelt w/ frequency control Material feedbelt scraper Laser sensor to meter material into feedbox	Hopper w/ clamshell gate Laser sensor to meter material into feedbox
<b>Feedbox</b>	Hydraulically driven w/ proportional control Hydraulically driven agitator grid Adjustable cut-off bar	Hydraulically driven w/ proportional control Hydraulically driven agitator grid Adjustable cut-off bar w/ position feedback	Hydraulically driven w/ proportional control Hydraulically driven agitator grid Adjustable cut-off bar
<b>FORMING SECTION</b>			
<b>Vibration System</b>	Advanced Servo Vibration (Posapac) Adjustable frequency control	Hybrid Servo Vibration Independent amplitude and frequency control	Table Servo Vibration (4 impact bars) Independent amplitude and frequency control

	Uses existing Besser and competitive molds	Uses existing Besser and competitive molds	Uses existing Besser and competitive molds
	Vibrator shafts rotated 180 degrees	Mold adapter may be required	Mold adapter may be required
<b>Side Shafts</b>	Two at 6" / 150 mm diameter	Four at 4" / 100 mm diameter	Four at 4" / 100 mm diameter
	Extra long bushings to stabilize stripper head		
<b>Stripper Head Frame</b>	Hydraulically driven w/ proportional control	Hydraulically driven w/ proportional control	Hydraulically driven w/ proportional control
	Transducer feedback height positioning	Transducer feedback height positioning	Transducer feedback height positioning
<b>Head Clamp</b>	Semi-automatic toggle bars	Automatic "T" bars	Automatic "T" bars
	Requires head adapters	Requires head adapters	Requires head adapters
<b>Pallet Delivery</b>	Proportional hydraulic walking beam	Servo driven walking beam	Proportional hydraulic walking beam
<b>MOLD/HEIGHT CHANGE</b>			
<b>Height Change</b>	Hydraulic semi-automatic two position	Hydraulic automatic four position	Hydraulic automatic single position
<b>Mold Change</b>	Pallet moving bars move mold into machine	Independent mold carrier pulls mold into machine	Pallet moving bars move mold into machine
<b>Approximate Time</b>	Less than 15 minutes	Less than 10 minutes	Less than 15 minutes
	(with cut-off bar and agitator change)	(with cut-off bar and agitator change)	
<b>MOLD LIFE INCREASE</b>	Up to 50% compared to traditional Posapac Vibration	Up to 200% compared to traditional Posapac Vibration	Not Applicable

### OPTIONAL ENHANCEMENTS

Automated head clamp	Automated hopper gates	Hopper w/ rotating drum and adjustable gates
Automated apron plate	Automated apron plate	Front feedbox
Front feedbox	Front feedbox	Horizontal core adapter
Horizontal core adapter	Horizontal core adapter	Mold jib crane
Mold jib crane	Mold jib crane	



**SELECT**



**CLASSIC**



**PREMIER**

# SERVOPAC FAMILY OF MACHINES REFERENCE GUIDE

MACHINE	PRODUCT HEIGHT RANGE	PALLET SIZE	CYCLES/ MIN	BLOCK/PALLET 8" Equivalents 20 cm x 20 cm x 40 cm	BLOCK/HOUR 8" Equivalents 20 cm x 20 cm x 40 cm	SQ. M/ HOUR	PAVERS/PALLET 10 cm x 20 cm x 6 cm	CYCLES/ MIN	PAVERS/HOUR 10 cm x 20 cm x 6 cm	SQ. FT/HOUR 10 cm x 20 cm x 6 cm	SQ. M/HOUR 10 cm x 20 cm x 6 cm
<b>Servopac Classic® 6 AAT</b>	1" - 12" 25 mm - 300 mm	52" x 20.5" 1320 mm - 521 mm	8	6	2880	210	22	8	10,560	2346	218
<b>Servopac Classic® 5 AAT</b>	1" - 12" 25 mm - 300 mm	42" x 20.5" 1067 mm - 521 mm	8	5	2400	175	18	8	8640	1920	178
<b>Servopac Classic® 4 AAT</b>	1" x 12" 25 mm - 300 mm	38.5" x 20.5" 978 mm - 521 mm	8	4	1920	141	16	8	7680	1709	158
<b>Servopac Classic® 4 AAT Deep Pallet</b>	1" x 12" 25 mm - 300 mm	38.5" x 26" 978 mm - 660 mm	7	4	1680	123	24	7	9487	2108	195
<b>Servopac Classic® 3 AAT</b>	1" x 12" 25 mm - 300 mm	26" x 20.5" 660 mm - 521 mm	8	3	1440	105	10	8	4800	1066	96
<b>Servopac Select® 4 AAT</b>	1" x 12" 25 mm - 300 mm	38.5" x 20.5" 978 mm - 521 mm	10	4	2400	175	16	10	9600	2155	200
<b>Servopac Select® 3 AAT</b>	1" x 12" 25 mm - 300 mm	26" x 20.5" 660 mm - 521 mm	10	3	1800	131	10	10	6000	1333	124
<b>Servopac Select® 8 AAT</b>	1" x 12" 25 mm - 300 mm	38.5" x 34.5" 978 mm - 876 mm	8	8	3840	281	32	8	15,360	3310	317
<b>Servopac Premier®</b>	1" x 20" 25 mm - 500 mm	1400 mm - 1200 mm	6	15	3600	263	60	6	21,600	4650	432

\* Machine speed and capacity shown at maximum. Individual plant rates may vary depending on material, set-up and market acceptance.



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