

Model 1600 using Hydrostatic Vibrator Drive, Reference Information

Available Pallet Sizes Model 1600:

- 18.5” x 37” x .38” (470 mm x 940 mm x 10mm)
- 18.5” x 38” x .38” (470 mm x 965 mm x 10 mm)

Location Specifications:

(see P.L.O. if available otherwise locations must be provided and approved by Customer)

1. Main Pumping Unit
2. Hydrostatic Pumping Unit
3. Lube Pumping Unit
4. Main Control Panel
5. Push-Button Station
6. Air Control Panel

Model 1600 Block Machine Performance Parameters:

Estimated Production Output @ 100% efficiency

Note: Production figures listed below are average and will vary for the individual plant as determined by quality and consistency of aggregate and materials, plant and equipment conditions and experience and skill of plant personnel.

Table 1: Producing Std. 8” x 8” x 16” (200 mm x 200mm x 400mm) Hollow Core Block

Pallet Size (Front to Back)	Cycles / Min. (Production)	Sec. / Cycle (Production)	Sec. / Cycle
18-1/2” (470 mm)	7.5	8.0	7.0

Table 2: Various Product Types

Pallet Size (Front to Back)	Std. Cored Block Sec. / Cycle	Solid Block Sec./ Cycle	Paver on Flat Sec. / Cycle	Brick on End Sec. / Cycle
18-1/2” (470 mm)	8.0	9.0	10.0	10.0

Table 3: Cycles / Shift (8 hours @ 100% efficiency), with Various Product Types

Pallet Size (Front to Back)	Std. Cored Block Cycles / Shift	Solid Block Cycles / Shift	Paver on Flat Cycles / Shift	Brick on End Cycles / Shift
18 – ½” (470 mm)	3,600	3,200	2,880	2,880

Note: Products / Shift = (Cycles / Shift) * (Product / Cycle)
 i.e. (3,600 Cycles / Shift) * (4 Product / Cycle) = **14,400 Product / Shift**

Table 4: Special Equipment Products

Pallet Size (Front to Back)	Standard Product Sec. / Cycle (Production)	w/Core Puller Sec. / Cycle	w/Front Feed Drawer Sec. / Cycle	w/ FFD and Dbl. Compression Sec. / Cycle
18 – ½” (470)	8.0	9.5	9.5	12.5

Oil Type and Quantity Model 1600:

1. Main Pumping
 - 950 PSI (64 BAR) operating pressure
 - Chevron Type AW68 or Equivalent Oil
 - 200 Gallons (760 liters)

2. Hydrostatic Vibrator Drive Pumping Unit
 - 3500 PSI (237 BAR) Acceleration Pressure
 - 2500 PSI (169 BAR) Deceleration Pressure
 - Chevron Type AW46 or Equivalent Oil
 - 25 Gallons (95 liters)

3. Lube Pumping Unit
 - 30 PSI (8.8 BAR) Operating Pressure
 - Chevron type AW46 or Equivalent Oil
 - 10 Gallons (38 liters)

4. Hose Routing
 - Specify: in trench, on floor, overhead
 - Length (up, over, down) etc.
 - _____
 - _____
 - _____

Air Requirements Model 1600

- 8 SCFM Air at 125 PSI (226 Liter per minute at 8.6 Bar) Required

Power Requirements Model 1600:

- Main Pumping Unit:
 - 30 HP (22 kW) Hydraulic Pump Motor
 - 1/3 HP (0.24 kW) Oil Cooling Fan Motor
 - Tank Heater 1.0 kW (Optional)
- Vibrator Lube Pump Unit:
 - 1 ½ HP (1.2 kW) Lube Pump Motor
- Hydrostatic Pumping Unit:
 - 15 HP (11.2 kW) Hydrostatic Pump Motor
 - ¼ HP (0.18kW) Oil Cooling Fan Motor
 - Tank Heater 1.5 KW
- Material Meter Belt:
 - 3 HP (2.24 KW) Material Meter Belt, Optional

Weight of Equipment Model 1600:

- Note: Refer to Drawing D-300-447 for mounting Pad Specifications
- 24,000 lbs. (10,910 KG) Machine dead load
- 25,880 lbs. (11,765 KG) Machine live load
- 600 lbs. (272 KG) Main Electrical Control Panel
- 1,600 lbs. (726 KG) Main Pumping Unit (no oil)
- 1,200 lbs. (545 KG) Hydrostatic Drive Pumping Unit (no oil)
- 150 lbs. (68 KG) Lube Pumping Unit (no oil)