

Model 30 Reference Information

Available Pallet Sizes Model 16HF:

- 18.5" x 26" x .31" (470 mm x 660 mm x 8 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 30 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 Standard 8" x 8" x 16" (200mm x 200mm x 400mm) Hollow Core Block

Pallet Size (Front to Back)	Cycles/Min. (Production)	Sec./Cycle (Production)	Sec./Cycle (Kiln Sizing)
18 1/2" (470 mm)	7.0	8.5	7.5

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)	8.5	9.5	10.5	10.5

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 1/2" (470 mm)	3,360	3,200	2,880	2,880

Note: Products / Shift = (Cycles/Shift) * (Product/Cycle)
 i.e. (3,360 Cycles/Shift) * (3 Product/Cycle) = **10,080 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 - 1/2 "(470 mm)	8.5	10.0	10.0	13.0

Oil Type and Quantity Model 30:

1. Main Pumping Unit
 - 950 PSI (64 BAR) Operating Pressure
 - Chevron Type AW68 or Equivalent Oil
 - 300 Gallons (1,140 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
 - 26 Gallons (100 liters)

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

Air Requirements Model 30:

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

Power Requirements Model 30:

- Main Pumping Unit:
 - Two (2) 25 HP (18.6 kW) Hydraulic Pump Motor
 - 1/3 HP (0.24 kW) Oil Cooling Fan Motor
 - Tank Heater 1.5 kW (Optional)
- Vibrator Lube Pump Unit:
 - 1 ½ HP (1.2 kW) Lube Pump Motor
- Hydrostatic Pumping Unit:
 - 40 HP (29.8 kW) Hydrostatic Pump Motor
 - ¼ HP (0.18 kW) Oil Cooling Fan Motor
 - Tank Heater 1.5 KW
- Material Meter Belt:
 - 2 HP (1.49 KW) Material Meter Belt, Optional

Weight of Equipment Model 30:

- Note: Refer to Drawing D-300-0-422 for Mounting Pad Specification
- 37,000 lbs. (16,818 KG) Machine dead load
- 38,260 lbs. (17,390 KG) Machine live load
- 600 lbs. (272 KG) Main Electrical Control Panel
- 2,300 lbs. (1,045 KG) Main Pumping Unit (no oil)
- 1,400 lbs. (636 KG) Hydrostatic Drive Pumping Unit (no oil)
- 150 lbs. (68 KG) Lube Pumping Unit (no oil)