<table>
<thead>
<tr>
<th>Cat® C3.3B Engine</th>
<th>Gross Power (SAE J1995)</th>
<th>55.5 kW 73.8 hp 74.8 metric hp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AP300F</td>
<td>AP355F</td>
</tr>
<tr>
<td>Tractor only</td>
<td>6800 kg (14,550 lb)</td>
<td>7100 kg (15,653 lb)</td>
</tr>
<tr>
<td>w/SE34 V Screed</td>
<td>8000 kg (17,637 lb)</td>
<td>8500 kg (18,739 lb)</td>
</tr>
<tr>
<td>w/SE34 VT Screed</td>
<td>8200 kg (18,078 lb)</td>
<td>8700 kg (19,180 lb)</td>
</tr>
</tbody>
</table>

| Paving Widths     | Standard Extendable Range | 1.75 m - 3.42 m 5’ 9” - 11' 2” |
|                   | Maximum w/Extensions      |                                  |
|                   | AP300F                    | 4.0 m 13' 1”                    |
|                   | AP355F                    | 4.6 m 15' 1”                    |
|                   | Paving Reduction Attachment | 700 mm 27.5”                 |
VERSATILE PAVING CAPABILITY IN A HIGHLY PRODUCTIVE MACHINE

The AP300F and AP355F pavers combine excellent styling with technology that exemplifies our commitment to increased comfort and productivity. Operators will appreciate the numerous technological enhancements as they navigate around the twists and turns of urban environments and mountain roads.

What the crews will also quickly discover is the excellent mat quality produced by the new SE34 V and SE34 VT screeds.

Easy installation and removal of extension packages make this machine a perfect combination of productivity and versatility.

A comfortable operating environment with dual seats that can be easily positioned outside of the machine frame optimizes visibility.

These models are a great fit for city streets, rural roads, town centers, parkways, and general maintenance and repair applications.

FEATURES

MULTI-PURPOSE, EXTREMELY MANEUVERABLE PAVER.

TECHNOLOGICALLY ADVANCED

- Engine options available to meet U.S. EPA Tier 4 Final, EU Stage IIIB emissions and other regional standards
- One-touch hopper control
- Single-touch feeder system activation
- Auto-fill feeder system
- Mobil-trac undercarriage delivers fast travel and smooth ride (AP355F)
- Product Link™ capability,

QUALITY PAVING, HIGHER EARNINGS

- Tamper-bar with vibration, or vibration only screeds
- Hydraulically extendible from 1.75 m to 3.42 m (5’ 9” to 11’ 2”)
- Maximum with mechanical bolt-on extensions
  - 4.0 m (13’ 1”) – AP300F
  - 4.6 m (15’ 1”) – AP355F
- Hydraulic paving reduction attachment narrows the paving width to 700 mm (27.5”)

LOW OWNING AND OPERATING COSTS

- Exclusive Advanced Eco-mode reduces fuel consumption and lowers sound levels for better comfort and communication
- Million cycle switches provide reliability
- Conveyor bed plates and chain guards designed to minimize labor requirements and provide lower cost replacement
- Heating elements slide-out for easy replacement
- Machined screed frames simplify screed plate leveling

UNMATCHED AFTER-THE-SALE SUPPORT

- Strategically located dealers with 24/7 support
- In-the-Iron service training for technicians
- Paver Operator Training helps maximize machine performance
- Project consulting helps improve technique and job site management

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PRODUCTIVITY FEATURES

1. Advanced Eco-mode
2. Auto-Fill System
3. Single-Touch Feeder System
4. Touch-Screen Display, and Push-Button Controls
5. Mobil-Trac Undercarriage - AP355F
6. Cat C3.3B Engine
7. Front-Wheel Assist Option - AP300F
8. SE34 V Vibration only and SE34 VT Tamper Bar Screeds
CAT C3.3B ENGINE

RELIABLE, QUIET, POWERFUL.

Reduced FUEL CONSUMPTION and Lower SOUND LEVELS
Don’t waste fuel or power, Advanced Eco-mode optimizes engine speed and delivers the power when needed.

Eco-mode
– Eco-mode, utilizes an engine speed of 1900 rpm for reduced fuel consumption and lower sound levels
– Well suited for most applications

Advanced Eco-mode (Canada, Europe, and U.S. only)
– Combines Eco-mode and Automatic Engine Speed Control
  - Engine speed increases to 1900 rpm when the propel lever moves from neutral
  - Modifies engine speed based on load
  - If the upper power threshold is exceeded, the engine speed will increase to 2200 rpm and remain there until the load drops below the minimum threshold and remains there for 30 seconds

Automatic Engine Speed Control (Canada, Europe, and U.S. only)
– Engine operates at 2200 rpm when the propel lever moves from neutral
– When activated, engine speed is reduced to idle speed of 1200 rpm when the propel lever is moved to neutral or to 1500 rpm when screed heat is active

C3.3B engine models are available to meet regional emissions, including U.S. EPA Tier 4 Final and EU Stage IIIB.
AUTOMATION

CONTINUOUS MATERIAL FLOW, BETTER MAT QUALITY.

EASY OPERATION

Auto-Fill Feeder System
– Simplifies starts by filling the auger chamber to the height of the sensor set point

Single-Touch Feeder System
– Automatically activates the entire feeder system with a single button for better efficiency

One-Touch Hopper Control
– The hopper wings can be folded with a single touch and release
– The system can be tailored to activate left or right wings together or independently

Cleanout/Warmup Mode
– Activates the augers, conveyors, and tamper bar (if equipped) in slow speed, enables the application of release agents to prevent material build-up

Mix Height Adjustment
– Mix height adjustment from the tractor touch-screen display offers more control, previously only available from the screed

SMOOTH FLOW

– Narrow chain guards and optimally spaced flight bars promote smooth mix flow
– 3.8 m\(^3\) (134 ft\(^3\)) hopper capacity delivers productivity when truck delivery isn’t possible
– Wide hopper width of 3180 mm (10’ 5") enables smooth truck delivery
– Truck discharge height of 570 mm (22") and adjustable push-roller easily accept a variety of trucking fleets
OPERATING ENVIRONMENT

OPERATE WITH CONFIDENCE.

BETTER VISIBILITY
- Dual independent seating can extend beyond the frame for good all-around visibility, also offer backup capability
- Low profile front-mounted cooling system improves forward visibility
- The auger assembly has been redesigned to improve visibility into the auger chamber
- 12-volt power receptacle, supports communication devices
- Upper and lower tow-point indicators simplify height adjustment for tractor and screed operators

MORE COMFORT
- Operator-friendly environment
- Cooling system helps redirect the fumes surge that occurs when mix is dumped into the hopper
- Ventilation system removes and redirects vapors from the conveyor tunnels and auger chamber and redirects them towards the hopper, away from tractor and screed operators

EASY RECOGNITION
- Multiple language options
- Intuitive symbols and large graphics simplify operation
- Adjustable brightness control for easy viewing day or night
- Raised switch design enables easy recognition for better efficiency and performance

INTERACTIVE LCD DISPLAY
- Touch-screen access to:
  - Generator activation
  - Screed temperature control
  - Tamper and vibratory speeds
  - Mix height adjustment, previously only available from the screed console
  - Service code information
  - Screed heating zones
  - Stored operator preferences
SIMPLE OPERATION

USER-FRIENDLY TECHNOLOGY ENHANCES CONTROL.

TOP FEATURES
1. Automated Hopper Functions
2. New Mix Delivery Technology
3. Million Cycle Switches
4. Water Resistant Console and Touch-Screen Display
5. Generator Activation
6. Day or Night Brightness Control
7. Eco-Mode and Automatic Engine Speed Control
WHEEL UNDERCARRIAGE
EXCELLENT TRACTION AND DURABILITY.

EXCELLENT MANEUVERABILITY
- Two, 365/80 R20 hydro-flated drive tyres
- Four 455 mm x 260 mm, solid rubber steering wheels
- Tight outside turning radius for quick mobility
- Quick reacting speed control ensures responsive power
- High flotation delivers excellent performance on soft base applications
- The oscillating front bogie design easily overcomes obstacles, eliminates jarring effects and minimizes tow-point movement

MOBILITY
- Hydrostatic propel system
- Pave, Travel and Maneuver modes
  - Pave: Improved steering control when paving
  - Travel: Speeds of 0-16 km/hr (0-10 mph)
  - Maneuver: Optimizes steering control and delivers an outside turning radius of 1.65 m (5' 5")

FRONT WHEEL ASSIST (OPTION)
- Front wheel assist option provides added traction when pushing trucks or working on soft base

The wheel undercarriage offers quick reacting speed control, responsive power, and high speed capability when moving around the job site.
EXCELLENT TRACTION
HIGH SPEEDS

MOBIL-TRAC DELIVERS RIDE SIMILAR TO WHEELED PAVERS.

MOBILITY
- High speed capability; similar to wheeled pavers
- Pave, Travel and Maneuver modes
  - Pave: Improved steering control when paving
  - Travel: Maximum speeds
  - Maneuver: Optimizes steering control and enables the paver to rotate within its own footprint

SMOOTH RIDE
- Oscillating bogie design delivers ride similar to wheeled paver
- Pivoting design eliminates jarring effects caused by milled cuts
- Guide lugs keep the tracks centered for reliable performance

PERFORMANCE
- Mobil-Trac undercarriage design minimizes tow-point movement
- Front and rear bogie sets crawl over obstacles; maintain ground contact and minimize tow-point movement
- Smooth belt performs well on soft base materials and fresh mats
- Outstanding traction in any condition
- Excellent flotation and low ground pressures due to the large track area

DURABILITY
- Self-tensioning accumulators, center guide blocks and rugged internal belt cables ensure durability
- Rubber-coated components designed to shed asphalt and prevent accumulation
# AP300F SPECIFICATIONS

## Dimensions

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Operating length w/screed</td>
<td>5047 mm 16’ 6&quot;</td>
</tr>
<tr>
<td>2</td>
<td>Operating width</td>
<td>3180 mm 10’ 5&quot;</td>
</tr>
<tr>
<td>3</td>
<td>Operating height</td>
<td>3415 mm 11’ 2&quot;</td>
</tr>
<tr>
<td>4</td>
<td>Operating deck height</td>
<td>1313 mm 4’ 3&quot;</td>
</tr>
<tr>
<td>5</td>
<td>Transport length</td>
<td>4904 mm 16’ 1&quot;</td>
</tr>
<tr>
<td>6</td>
<td>Transport width w/endgates</td>
<td>1886 mm 6’ 2&quot;</td>
</tr>
<tr>
<td>7</td>
<td>Transport height - canopy retracted</td>
<td>2645 mm 8’ 8&quot;</td>
</tr>
<tr>
<td>8</td>
<td>Truck entry height</td>
<td>547 mm 21.5&quot;</td>
</tr>
<tr>
<td>9</td>
<td>Truck entry width</td>
<td>3150 mm 10’ 4&quot;</td>
</tr>
<tr>
<td>10</td>
<td>Hopper length w/push-roller</td>
<td>1993 mm 6’ 4&quot;</td>
</tr>
<tr>
<td>11</td>
<td>Wheelbase</td>
<td>1987 mm 6’ 6&quot;</td>
</tr>
</tbody>
</table>

## Powertrain

**Cat C3.3B Engine**

- 55 kW 74.8 hp (M) 73.8 hp (I)
- Number of Cylinders: 4
- Engine speed: 2200/1000 rpm
- Eco-mode: 1900 rpm
- Speed ranges:
  - Paving - vibratory screed: 61 mpm 200 fpm
  - Paving - tamper-bar screed: 25 mpm 82 fpm
  - Travel: 16 km/hr 10 mph

## Weights

- **AP300F Paver only - shipping**: 6600 kg 14,550 lb
- **AP300F Paver w/SE34 V Screed**: 8000 kg 17,637 lb
- **AP300F Paver w/SE34 VT Screed**: 8200 kg 18,078 lb

## Paving Specifications

- **Standard paving range**: 1.75 - 3.42 m 5’ 9” - 11’ 2”
- **Maximum paving width**: 4.0 m 13’ 1”
- **Reduction Attachment**: 700 mm 27.5”
- **Screed Vibration Frequency**: 50 Hz 3000 vpm
- **Screed Tamper Bar Frequency**: 30 Hz 1800 vpm
- **Screed Crown Adjustment**: +4.5% to -2.5%

## Capacities

- **Maximum throughput capacity**: 504 tonnes/h 555 tph
- **Hopper capacity with tunnels**: 3.8 m³ 134 ft³
- **Fuel tank**: 110 L 29 gal
- **Engine oil**: 13.2 L 3.5 gal
- **Cooling system**: 9 L 2.4 gal
- **Hydraulic tank**: 80 L 17.6 gal
- **Washdown Spray Tank**: 28 L 6.2 gal

## Cat C3.3B Engine

*Engine options are available in order to meet U.S. EPA Tier 4 Final, EU Stage IIIIB, or emissions equivalent to U.S. EPA Tier 3, EU Stage IIIA, China Off-Road Stage III, U.S. EPA Tier 2 and EU Stage II.*
AP355F SPECIFICATIONS

Dimensions

1. Operating length w/screed
2. Operating width
3. Operating height
4. Operating deck height
5. Transport length
6. Transport width w/endgates
7. Transport height - canopy retracted
8. Truck entry height
9. Truck entry width
10. Hopper length w/push-roller
11. Ground Contact Length

Weights

AP355F Paver only - shipping 7100 kg 15,652 lb
AP355F Paver w/SE34 V Screed 8500 kg 18,739 lb
AP355F Paver w/SE34 VT Screed 8700 kg 19,180 lb

Paving Specifications

Standard paving range 1.75 - 3.42 m 5' 9" - 11' 2"
Maximum paving width 4.6 m 15' 1"
Reduction Attachment 700 mm 27.5"
Screed Vibration Frequency 50 Hz 3000 vpm
Screed Tamper Bar Frequency 30 Hz 1800 vpm
Screed Crown Adjustment +4.5% to -2.5%

Powertrain

Cat C3.3B Engine* 55 kW 74.8 hp (M) 73.8 hp (I)
* Engine options are available in order to meet U.S. EPA Tier 4 Final, EU Stage IIIB, or emissions equivalent to U.S. EPA Tier 3, EU Stage IIIA, China Off-Road Stage III, U.S. EPA Tier 2 and EU Stage II.

Number of Cylinders 4
Engine speed 2200/1000 rpm
Eco-mode 1900 rpm

Speed ranges

Paving 64 mpm 210 fpm
Paving - tamper-bar screed 25 mpm 82 fpm
Travel 11 km/hr 7 mph

Steering

Outside Turning Radius 1.65 m 5’ 5”
Manuever mode 500 mm 20”

Capacities

Maximum throughput capacity 504 tonnes/h 555 tph
Hopper capacity with tunnels 3.8 m³ 134 ft³
Fuel tank 110 L 29 gal
Engine oil 13.2 L 3.5 gal
Cooling system 9 L 2.4 gal
Hydraulic tank 80 L 17.6 gal
Washdown Spray Tank 28 L 6.2 gal