AP755
Asphalt Paver

Cat® C7 Engine with ACERT™ Technology

<table>
<thead>
<tr>
<th></th>
<th>Gross Power (SAE J1995) at 2200 rpm</th>
<th>Net Power (ISO 9249) at 2200 rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>149 kW/202 hp</td>
<td>144 kW/193 hp</td>
</tr>
</tbody>
</table>

Operating Weight with

<table>
<thead>
<tr>
<th>Screed Type</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS3251 Screed</td>
<td>20 900</td>
</tr>
<tr>
<td>AS4251 Screed</td>
<td>21 200</td>
</tr>
<tr>
<td>RB 5700 Screed</td>
<td>21 600</td>
</tr>
<tr>
<td>RMB 12000 Screed</td>
<td>23 900</td>
</tr>
</tbody>
</table>

Hopper Capacity 7.0 m³

Standard Paving Range / Max. Paving Width

<table>
<thead>
<tr>
<th>Screed Type</th>
<th>Range / Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS3251 Screed</td>
<td>2500-4700 mm / 7500 mm</td>
</tr>
<tr>
<td>AS4251 Screed</td>
<td>2550-5000 mm / 7840 mm</td>
</tr>
<tr>
<td>RB 5700 Screed</td>
<td>3000-5700 mm / 9100 mm</td>
</tr>
<tr>
<td>RMB 12000 Screed</td>
<td>2500 mm / 12000 mm</td>
</tr>
</tbody>
</table>
AP755 Asphalt Paver
The AP755 Asphalt Paver with ACERT™ Technology offers fuel efficiency, high performance and simplified service, speed and job versatility to maximize productivity.

Undercarriage
The AP755 steel track undercarriage incorporates two rubber shoe crawlers and track rollers in order to provide a smooth ride. pg. 5

Material Handling System
The AP755 provides precise mix delivery through an advanced material handling system. The system efficiently reduces component wear and minimizes the potential for mix segregation. pg. 7

Propel System
The hydrostatic propel system eliminates chains and other mechanical linkages between the diesel engine and final drive components. The propel pump provides optimum displacement enhancing servicing. pg. 5

Operator’s Station
The AP755 incorporates dual operator stations that includes two seats fitted on mechanically sliding semi-platforms. Both operator seats and console panel are mounted on pivoting pedestals enabling the operator to rotate either to the left or right for enhanced visibility. pg. 6

C7 Engine with ACERT Technology
ACERT Technology works at the point of combustion to optimize engine performance. C7 engine with ACERT Technology generates fewer emissions and optimizes fuel combustion while meeting E.U. Stage IIIA engine emission regulations. The high capacity cooling system performs efficiently in high ambient temperatures. The system provides a cooler working environment for the tractor and screed operators. pg. 4

Performance and reliability you expect.
High production capability and optimum paving quality combined with high travel speed and smooth ride are the basic features of the new AP755. With many enhanced features and options, the AP755 powerful traction guarantees optimum results and a continuous production even on irregular terrains.
Generator (Optional)
The generator provides continuous and simple control in paving operations for ground crew usage. This integrated generator supplies power to the electrically heated screed providing high reliability. pg. 8

Auxiliary Rear Control Panel
The right-hand auxiliary rear control panel provides full control for tamper and vibrators frequencies, screed assist & counterbalance adjustment and augers group raising/lowering. pg. 8

Screeds
The AP755 is available with the AS3251 screed and the AS4251 screed both available with variable frequency tamper and vibrators and with LPG and electric heating system. Also available are the RB 5700 hydraulic LPG screed and the RMB mechanical LPG screeds. All screeds lay material to the desired width and depth while providing a smooth finish with initial compaction. pg. 9

Serviceability
The AP755 provides excellent access to all machine parts requiring scheduled maintenance. Large service panels ensure quick and easy inspection of the main parts. Transverse engine mounting provides ground-level access to hydraulic pumps and the engine cooling system. Color-coded and numbered wiring simplifies troubleshooting of the electrical systems. pg. 10
Cat C7 Engine with ACERT Technology

ACERT Technology incorporates a series of innovations working at the point of combustion to optimize engine performance while providing high reliability and easy servicing.

Turbocharged and Air-To-Air Aftercooling (ATAAC). The turbocharged air-to-air aftercooling system provides high horsepower with increased response time while keeping exhaust temperatures low for long hours of continuous operation. Air-to-air aftercooling keeps air intake temperatures down, maximizing fuel efficiency and minimizing emissions.

Cat C7 Engine with ACERT Technology.
The C7 engine provides a full-rated gross power (SAE J1995) of 149 kW (202 hp) at 2200 rpm with a torque of 783 Nm. Meets European EU Stage IIIA engine emission regulations. The combination of large displacement and high torque allow the AP755 to perform under the toughest conditions.

HEUI™ fuel injection. The hydraulically actuated electronic unit injectors (HEUI) fuel system is unique and combines the technical advancement of an electronic control system with the simplicity of HEUI fuel injection. The HEUI fuel system excels in its ability to control injection pressure over the entire engine operating speed range. These features allow the C7 engine to have complete control over injection timing, duration and pressure.

Multiple injection fuel delivery. Multiple injection fuel delivery involves a high degree of precision. Precisely shaping the combustion cycle lowers combustion chamber temperatures, which generates fewer emissions, optimizes fuel combustion and translates into more work output for your fuel cost.

High cylinder pressures. High cylinder pressures combined with tightly controlled tolerances promote extremely efficient fuel burn, less blow-by and lower emissions.

C7 cylinder block. The C7 engine’s cylinder block offers increased tensile strength. It features improved sealing with gaskets to ensure fewer leaks. This new design supports the engine’s higher compression ratios and increases its power density. The incorporation of straight-thread “O” ring connection points reduce the loss of engine oil and fluids.

Sound reduction features. The C7 engine sound reduction features include composite valve covers with a fully isolated base, a steel oil pan and a cast iron front cover. The HEUI™ fuel systems rate-shaping technology also provides control of sound and vibration levels.

Service, maintenance and repair.
Easier service, maintenance and repair is accomplished by monitoring key functions and logging critical indicators. Advanced electronic diagnostic capabilities are possible using CAT Electronic Technician.

ADEM™ A4 electronic control module. The ADEM A4 electronic control module manages fuel delivery, valve timing and airflow to get the most performance per liter of fuel used. The control module provides flexible fuel mapping, allowing the engine to respond quickly to varying application needs. The control module also monitors engine and machine conditions while keeping the engine at peak efficiency.

Cooling system. The high capacity cooling system provides efficient operation in high ambient temperatures. The system promotes operator comfort by drawing ambient air through the engine compartment and exhausting it on the right side of the machine, away from the operator.
Propel System

Efficient hydrostatic propel system eliminates chains and other mechanical linkages between the engine and final drive components.

Closed-loop hydrostatic propel system. Provides accurate control of propulsion and low-maintenance operation.

Hydrostatic pumps. Two variable displacement, hydrostatic pumps are driven by the diesel engine and drive two fixed displacement motors. Pumps are infinitely variable and electronically controlled for starting and stopping ramps.

Speed control. Infinite speed selection within two propel ranges: one in working mode and one in travel mode, to select the best speed range according to operating modes.

Propulsion control. An electro-proportional servo-control provides machine starting and stopping (for asphalt supply, etc.) with no pre-set working speed variation.

Mechanical benefits. Because the system is completely hydrostatic, there are no mechanical linkages such as gear cases, transmissions or chains between the engine power take-off and the drive system. This results in a significant reduction in mechanical parts and less chance for mechanical failure.

Undercarriage

The steel track undercarriage provides optimum weight distribution, tractive effort assuring great performance.

Two rubber shoe crawlers. The track-type asphalt paver provides a reliable, smooth ride. The optimum tension of the tracks is assured by a grease piston with a shock absorbing system.

Bonded track pads. The track pads contain a special rubber compound in order to provide long life and optimum traction. Pads are attached with four bolts for easy replacement.

Two-speed planetary drive. Two fixed displacement motors drive two-speed planetary track drive gearboxes in order to provide infinitely variable speed selection.
Operator’s Station

The dual operator stations provide complete control and optimum visibility from either side of the operating platform.

**Dual operator stations.** The ergonomic dual operator stations incorporate two adjustable suspension seats fitted on mechanically sliding semi-platforms.

**Enhanced visibility.** Both operator seats and console panel are mounted on pivoting pedestals enabling the operator to rotate either to the left or right. The stations can extend beyond the machine frame for optimum visibility when joint matching or while paving other applications where precise control is required. With the engine mounted forward and low in frame, the operator is positioned away from engine heat and exhaust.

**Control console.** The sliding operator’s console panel is fully equipped with comprehensive controls allowing the operator to conveniently monitor all machine functions. A multifunctional LCD-display fitted to the console panel provides detailed information regarding the operating parameters of machine and engine. A lockable vandal cover protects console controls.

**Canopy option.** Two optional canopies are available: folding canopy or hydraulic raising canopy. Both canopies provide full width with two side extending wings for optimum comfort and protection. Canopies can be lowered (manually or hydraulically) for easy transportation.
Material Handling System

Precise mix delivery and productivity through an advanced material handling system.

**Hoppers.** The independent movement of the two hoppers is provided by means of two hydraulic cylinders assuring efficient material flow. Wear-resisting steel provides conveyors and hopper bottom plate for long wear life.

**Feeding conveyors.** Two feeding conveyors are independently controlled and proportionally driven by two ultrasonic sensors. Conveyor rotation can also be inverted from either operator’s console panel or from rear screed control boxes. Conveyors have drive chains to maximize the live conveyor area and reduce center line segregation. This design also provides greater ease of servicing the conveyor drive system. In order to control mix delivery, the operator sets a speed rate for each conveyor that will maintain the desired mix level in the left and right auger chambers.

**Auger assembly.** Two independently controlled augers spread the material conveyed to both sides. Auger rotation speed can be varied automatically to ensure a homogeneous distribution of material before the screed. Two ultrasonic wave detectors control proportional augers movement and can be adjusted from the screed control boxes. Conveyors and augers design eliminate voids under chain case to minimize segregation. Augers have outboard mounted motors for easy serviceability.

**Outboard Mounted and Independently Controlled Augers Motors**

**Split-Segment Ni-Hard Augers**

**Alloy Steel Drag Flights and Chains**

**Independently Controlled Feeding Conveyors Motors**

**Optimum productivity.** The material handling system allows the operator to maintain an uninterrupted flow of material from the hoppers to the screed. The system is responsible for maintaining the proper head of material - the volume of asphalt in front of and across the length of the screed.

**Adjustable height auger assembly.** Augers are reversible and hydraulically adjustable in height providing benefits to mat quality and better distribution of material in front of the screed. The ability to raise the auger assembly simplifies loading and unloading from a transport vehicle. Also, when working with larger stone mixes, segregation can often be eliminated or minimized by raising the augers to allow mix to flow unrestricted under auger assembly.
Industrial, continuous-duty generator. Working range from 1250 to 2200 rpm provides high reliability and low sound levels.

Single control switch. A single control switch located on the tractor’s operating console activates the generator.

Full power. The integrated, tractor-mounted generator provides full power to the electric screed while the engine is operating from 1250 rpm.

Circuit breaker protection. Extend service life and internal electronic voltage regulation system provides consistent power.

Optional Generator System
Continuous-duty integrated design ensures peak performance and high reliability.

Auxiliary Rear Control Panel
Full control of tamper and vibrators frequencies for easy ground crew usage.

Right-hand auxiliary rear control panel. Mounted on the right rear side of the tractor provides constant and easy control for ground crew usage during paving operations.

Monitoring and adjustment. Tamper and vibrators frequencies, screed assist & counterbalance system and augers group are conveniently controlled on the panel.

Screed assist. An electro-hydraulic device maintains a constant screed pressure on the bituminous mix, independently from the mix bearing capacity and the paving width. Screed assist and counterbalance system guarantees superior mat quality and flatness regardless of the speed variations and machine stops for material refilling.

Lockable panel cover. The lockable vandal cover efficiently protects panel controls.
Screeds

Electric heated, LPG hydraulic and mechanical screeds combine the flexibility to match equipment to operator preferences or job requirements.

Screed choices. The AP755 is available with the AS3251 screed and the AS4251 screed both available with variable frequency tamper and vibrators and with LPG and electric heating system. Also available are the RB 5700 hydraulic LPG screed and the RMB mechanical LPG screeds.

AS3251 screed. Hydraulic power extendible asphalt screed, it paves from 2500 mm to 4700 mm. With solid extensions added to both sides, maximum paving width is 7500 mm.

AS4251 screed. Double width hydraulic power extendible asphalt screed, it paves from 2500 mm to 5000 mm. With solid extensions added to both sides, maximum paving width is 7840 mm.

RB 5700 screed. Hydraulic power extendible asphalt screed, it paves from 3000 mm to 5700 mm. With solid extensions added to both sides, maximum paving width is 9100 mm.

RMB screeds. Mechanical extendible asphalt screeds. Models available are RB 9000 and RB 12000. With solid extensions added to both sides, maximum paving width is 12000 mm.

Tamper and vibrator. For all screed models are operated automatically when the asphalt paver advances following a preset ramp. Tamper starting and stopping ramps are adjustable in order to maintain an optimum mat finish even with the AP755 stopped during material reloading operations. All screeds are equipped with electronic ignition, automatic and independent adjustment of the smoothing plate temperature for central and each mobil plate.

Electric heating system. Available for AS3251 screed and AS4251 screed. The electric heating system features a tractor-mounted generator, replaceable heating elements and operator friendly controls providing an operator-friendly environment. The system is equipped with automatic adjustment of the smoothing plate and tamper bar temperature for central, each mobile plate and bolt-on extensions up to 7500 mm. Rapid screed preheating is obtained at low engine rpm for quiet operation. Heavy-duty, user-friendly screed heating control unit with self-diagnostic control is positioned at the rear of the machine for easy ground crew usage.

* Refer to the Screeds Specialogs for more detailed information.
Reliability and Serviceability

Reliability and serviceability are integrated into every Caterpillar machine. These important features keep your machine investment profitable.

Large access doors and panels. Ensure quick and easy inspection of the main parts. The service doors and panels also provide optimum ground level serviceability and easy access to the hydraulic pumps and external engine components.

Low transversely mounted engine. Provides optimum access to the hydraulic pumps mounted to the right side of the engine. The front service panel features a single wide hinged door that provides easy filter and traction valves serviceability.

Propel pump servicing. The optimum displacement of the propel pump provide enhanced servicing.

Ergonomic operator’s station. Equipped with rotating seats and console panel provides optimum comfort, all-around visibility and easy control during machine operations.

Hydraulic motors servicing. Hydraulic motors for augers are fitted outboard for improved accessibility and serviceability. Motors for conveyors are fitted under the side doors promoting easy access for servicing.

Hydraulic hoses and electrical wiring harnesses. Cleanly routed and clamped to reduce wear and provide easy service.

Exposed hoses. Provided with nylon sleeve protection to reduce abrasion.

Vibrator system hydraulic lines. Cat XT™ hoses provide optimum durability and resistance to damage.

Integrity of the electrical system. Is ensured with the use of high-quality components.

The Caterpillar electrical standards. Enhance reliability and durability, feature numbered and color-coded wires. Nylon-braided wrap efficiently protects the electrical wires.

Electrical schematics. Detailing wire numbers, wire colors and component part numbers are located in the electrical schematic technical publication.
Engine

Six cylinder Caterpillar C7 with ACERT™ Technology, turbocharged air-to-air after-cooled diesel engine. Meets European EU Stage IIIA engine emission regulations.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Gross Power</td>
<td>2200 rpm</td>
</tr>
<tr>
<td>SAE J1995</td>
<td>149 kW/202 hp</td>
</tr>
<tr>
<td>Rated Net Power</td>
<td>2200 rpm</td>
</tr>
<tr>
<td>ISO 9249</td>
<td>144 kW/193 hp</td>
</tr>
<tr>
<td>EEC 80/1269</td>
<td>144 kW/193 hp</td>
</tr>
<tr>
<td>Bore</td>
<td>110 mm</td>
</tr>
<tr>
<td>Stroke</td>
<td>127 mm</td>
</tr>
<tr>
<td>Displacement</td>
<td>7.2 liters</td>
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</table>

- All engine horsepower (hp) are metric including front page.
- Net power ratings are tested at the reference conditions for the specified standard.
- Net power advertised is the power available at the flywheel when the engine is equipped with alternator, air cleaner, muffler and fan.

Propel System

- The AP755 has a hydrostatic, closed loop, propel system driving the tracks. Two variable displacement, hydrostatic pumps are driven by the diesel engine and drive two fixed displacement motors. The motors drive two-speed planetary track drive gearboxes. The pumps are infinitely variable and electronically controlled for starting and stopping ramps.
- An electro-proportional servo-control provides machine starting and stopping with no pre-set working speed variation.
- The high-capacity cooling system promotes operator comfort by drawing ambient air through the engine compartment and exhausting it on the right side of the machine, away from the operator.

Max. Speeds (forward and reverse):
- Operating: 0-26 mpm
- Travel: 0-6 km/h

Suspension

- The track-type asphalt paver is equipped with two rubber shoe crawlers providing a reliable, smooth ride. The optimum tension of the tracks is assured by a grease piston with a shock absorbing system.
- The bonded track pads contain a special rubber compound in order to provide long life and optimum traction.
- The AP755 undercarriage provides excellent machine stability. The undercarriage progressively overcomes surface irregularities. This neutralization creates less tow point movement which results in smoother asphalt mats.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track base</td>
<td>3125 mm</td>
</tr>
</tbody>
</table>

Steering

An electric steering system provides smooth, low effort steering by means of a steering wheel on the console panel.

Features
- An electronic steering wheel is used to control direction. The steering wheel controls an electronic digital device that adjusts the right and left track motion providing a constant speed and direction.
- The steering wheel provides simplicity of operation and improved speed control because the propel speed is independent of steering commands.

Turning Radius
- Minimum: 1000 mm

Brakes

Primary Brake Features
- Closed-loop hydrostatic drive provides dynamic braking during normal operation.

Parking Brake Features
- The hydrostatic drive acts as the service brake and is hydraulically applied the proper level on the operator’s console panel.
- Safety and parking brakes are mechanical multi-disk spring-applied brakes.
- Parking brake is automatically applied with the machine in “stand-by” mode.
- When required the brakes can be released manually.
Operator’s Station

The AP755 is equipped with a dual operator's station that includes two seats fitted on mechanically sliding semi-platforms. Both operator seats and console panel are mounted on pivoting pedestals enabling the operator to rotate either to the left or right for enhanced visibility. The operator's station can include an optional folding canopy cover for operator comfort.

The sliding operator's console panel of the AP755 is fully equipped with comprehensive controls allowing the operator to conveniently monitor all machine functions. In addition a multifunctional LCD-display fitted to the console panel provides detailed information regarding the operating parameters of the machine and engine. A lockable vandal cover protects console controls.

Controls operating tamper, vibration and screed assist are also located at the rear of the machine for ground crew usage.

With the engine mounted forward and low in the frame, the operator has excellent visibility into the hopper. The operator is also positioned away from the engine heat and exhaust.

Conveyors and Augers

The independent movement of the two hoppers is obtained by means of two hydraulic cylinders. Two feeding conveyors, manufactured with abrasion resistant-steel, are independently controlled and proportionally driven by two ultrasonic sensors. Conveyor rotation can also be inverted from either operator's console panel or from rear screed control boxes.

Two independently controlled augers spread the material conveyed to both sides. Auger rotation speed can be varied automatically to ensure a homogeneous distribution of material before the screed. Two ultrasonic wave detectors control proportional auger movement and can be adjusted from the screed control boxes.

The augers are reversible and hydraulically adjustable in height providing benefits to mat quality and better distribution of material in front of the screed.

Electrical System

The 24-volt electrical system consists of two 12-volt batteries and a 24-volt, 80 amp alternator. Integrity of the electrical system on Cat machines is ensured with the use of high-quality components. The Caterpillar electrical standards, developed to enhance reliability and durability, feature soldered, molded, numbered and wires with nylon-braided wrap to protect the electrical harness.

All wiring and harnesses are routed away from areas that may cause wear or damage and are held in place by fasteners.

An onboard generator is fitted when the AP755 is equipped with the AS3251 or AS4251 electric screeds. The generator provides 25 kW output to power screed heating and also optional lighting assemblies.

Hydraulic System

The propel, material handling and auxiliary systems are operated with electrically controlled, hydrostatic components. In the event of electrical failure, each system has manual operation capability.

The warning lights are activated by abnormal conditions in engine oil temperature and pressure, engine coolant temperature and hydraulic oil level. The warning lights are positioned on the control console for easy monitoring by the operator.

Quick-connect hydraulic test ports simplify system diagnostics.
Screeds

All screeds fitted to AP755 perform the same basic function - to lay material to the desired width and depth while providing a smooth finish with initial compaction.

The AS3251 screed is hydraulically extendible and paves from 2500 mm to 4700 mm. With solid extensions added to both sides, the maximum paving width is 7500 mm. Tamper vibration frequency from 0 to 1700 rpm (0 to 28.3 Hz). Smoothing plate vibration frequency from 0 to 3400 rpm (0 to 56.7 Hz).

The AS4251 screed is hydraulically extendible and paves from 2550 mm to 5000 mm. With solid extensions added to both sides, the maximum paving width is 7840 mm. Tamper vibration frequency from 0 to 1700 rpm (0 to 28.3 Hz). Smoothing plate vibration frequency from 0 to 3400 rpm (0 to 56.7 Hz).

The RB 5700 screed is hydraulically extendible and paves from 3000 mm to 5700 mm. With solid extensions added to both sides, the maximum paving width is 9100 mm. Tamper vibration frequency from 0 to 1700 rpm (0 to 28.3 Hz). Smoothing plate vibration frequency from 0 to 3400 rpm (0 to 56.7 Hz).

The RMB screeds are mechanically extendible. Models available are RB 9000 and RB 12000. With solid extensions added to both sides, the maximum paving width is up to 12000 mm. Tamper vibration frequency from 0 to 1600 rpm (0 to 26.7 Hz). Smoothing plate vibration frequency from 0 to 3000 rpm (0 to 50 Hz).

Tamper and vibrator for all screed models are operated automatically when the asphalt paver advances following a preset ramp. During operation tamper and vibrator adjustment are electronically controlled and can be individually adjusted via potentiometers located on the rear ground control panel. The rear ground control panel also includes an optional LCD-display indicating tamper frequency and a potentiometer for adjusting the tamper ramp.

Dual LPG high-energy burners, eight in all, are included on all main screeds and each hydraulic extension where available. Four sensors constantly control the temperature throughout the entire width of the screeds. All screeds are equipped with electronic ignition, automatic and independent adjustment of the smoothing plate temperature for central and each mobile plate.

Electric heating system is available for the AS3251 screed and the AS4251 screed. The electric heating system features a tractor-mounted generator, replaceable heating elements and operator friendly controls providing an operator-friendly environment. The system is equipped with automatic adjustment of the smoothing plate and tamper bar temperature for central, each mobile plate and bolt-on extensions up to 7500 mm. Rapid screed preheating is obtained at low engine rpm for quiet operation. Heavy-duty, user-friendly screed heating control unit with self-diagnostic control is positioned at the rear of the machine for ground crew usage.

All screed models are equipped with the screed assist, an electro-hydraulic device maintaining a constant screed pressure on the bituminous mix, independently from the mix bearing capacity and the paving width.

Grade and Slope Control Option

The grade and slope controls provide full control for both longitudinal grade and transverse slope when operating to a single reference. Correction is directly related to the magnitude of the surface deviation. Controls are functional from either side of the AP755 asphalt paver.

System components may vary according to the optional controls mounted on the AP755.
### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A  Tractor length with push roller</td>
<td>5300</td>
</tr>
<tr>
<td>B  Length with push roller and screed</td>
<td>6500</td>
</tr>
<tr>
<td>C  Transport width without end gates and screed (hopper raised)</td>
<td>2500</td>
</tr>
<tr>
<td>D  Tractor operating width (hopper lowered)</td>
<td>3500</td>
</tr>
<tr>
<td>E  Operating height with canopy</td>
<td>3800</td>
</tr>
<tr>
<td>F  Transport height (canopy lowered)</td>
<td>3000</td>
</tr>
<tr>
<td>G  Hopper length</td>
<td>1700</td>
</tr>
<tr>
<td>H  Truck entry width</td>
<td>2500</td>
</tr>
<tr>
<td>I  Truck dump height</td>
<td>610</td>
</tr>
<tr>
<td>J  Push roller height</td>
<td>570</td>
</tr>
<tr>
<td>K  Clearance</td>
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### Weights

<table>
<thead>
<tr>
<th>Component</th>
<th>Value (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tractor</td>
<td>17 260</td>
</tr>
<tr>
<td>with AS3251 screed</td>
<td>20 900</td>
</tr>
<tr>
<td>with AS4251 screed</td>
<td>21 200</td>
</tr>
<tr>
<td>with RB 5700 screed</td>
<td>21 600</td>
</tr>
<tr>
<td>with RMB 12000 screed</td>
<td>23 900</td>
</tr>
</tbody>
</table>

### Service Refill Capacities

<table>
<thead>
<tr>
<th>Component</th>
<th>Value (Liters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank (useable)</td>
<td>295</td>
</tr>
<tr>
<td>Engine oil w/filter</td>
<td>28</td>
</tr>
<tr>
<td>Hydraulic oil tank</td>
<td>200</td>
</tr>
<tr>
<td>Cooling system (total)</td>
<td>54</td>
</tr>
<tr>
<td>Water spray system</td>
<td>39</td>
</tr>
</tbody>
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**AP755 Asphalt Paver specifications**
Optional Equipment

Some options listed may be an option in some areas and standard in others. Consult your dealer for specifics.

Folding Operator’s Station Canopy.
The operator’s station canopy covers the entire width of the machine. The canopy can be lowered and raised manually facilitating machine transportation.

Hydraulic Raising Operator’s Station Canopy. The operator’s station canopy covers the entire width of the machine. The canopy can be lowered and raised electrically even with the engine not running.

Grade Control. Paddle-type grade control with small rigid ski that rides on the pavement surface. The reference surface may be a flat surface or a wire.

Digital Grade Control. Paddle-type grade control with small rigid ski that rides on the pavement surface. The system also includes a digital control unit fitted to the screed handrail. The digital control unit allows the ground crew to set the grade of the surface, in accordance with the site requirements. The digital control unit can also be used to control a grade control applied to the opposite side of the screed.

Digital Ultrasound Grade Control. A multi-functional sensor provides full proportional control for longitudinal grade. The system includes a digital control unit and an ultrasound sensor that detects obstacles or breaks in the reference surface (stones, small holes, etc.) and provides a mean average of the surface on which it is operating. The control unit can also be used to control a grade control applied to the opposite side of the screed.

Ultrasound Grade Control. 5 non-contact ultrasound sensors provide full proportional control for longitudinal grade. The system includes a digital control unit and a multiple ultrasound sensor that detects obstacles or breaks in the reference surface (stones, small holes, etc.) and provides a mean average of the surface on which it is operating. A sixth sensor, positioned horizontally, automatically corrects the effects of variations in the air temperature so that there is not an error in the evaluation of the reference distance.

Combined Ultrasound Grade Control. The system includes a single control unit with a rigid ski in contact with the reference surface and a non-contact ultrasound sensor incorporated for maximum flexibility. The reference surface may be a flat surface or a wire.

Laser Scanner Grade Control. The system includes a mobile laser unit that is attached to the paver. The mobile unit is positioned high above the surface in order to allow it to detect discontinuities in the reference surface and in the laid material over a distance adjustable up to 18 meters. The system also includes two digital control units, one for adjusting the leveling parameters and controlling a grade control applied to the opposite side of the screed, and a second digital control unit is used to set the operating parameters of the laser (reading height, range and length of the screed).

Slope Control. Works together with the grade controls to provide accurate transverse slope of the material laid.

Digital Slope Control. Works together with the grade controls to provide accurate transverse slope of the material laid. The system also includes a digital control unit fitted to the screed handrail. The digital control unit allows the ground crew to set the percentage slope of the surface, in accordance with the site requirements.

Screeds Extension Boxes. 250 mm and 710 mm mechanical extensions available for AS3251 and AS4251 screeds. Other extensions available for RB 5700 and RMB screeds.

Rotating Side Screed End Gates (for AS3251 and AS4251). Bolted on hinged end gates reduce screed width for easy transportation.

Motorized Screed Camber Adjustment (for AS3251 and AS4251). Electric motor modifies screed plate camber angles between +4.5% and -2.5%.

Supplementary Working Lights Package with Xenon Lights (24V). Consists of four variable position xenon beam flood lights, two mounted forward and two mounted to the rear illuminating work area.

Supplementary Working Lights Package (230V) available only for AP755 with AS3251 and AS4251 Electric Heated Screeds. Consists of four variable position sealed beam flood lights, two mounted forward and two mounted to the rear illuminating work area.


Refueling Pump. An electric self-priming pump permits machine-refueling on-the-go or with engine not running.