

E2850

Remixing Transfer Vehicle



Cat® C9 Engine with ACERT™ Technology

Gross Power	224 kW	300 hp
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Storage Capacity

22.7 tonnes	25 tons
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Speed

Transport (max)	16 km/hr	10 mph
Working (max)	59 fpm	194 fpm

E2850 Remixing Transfer Vehicle

Designed to keep demanding jobs moving.

Working on a challenging jobsite? This RTV delivers under the toughest circumstances.

The E2850 starts by providing you with an abundance of storage—22.7 tonnes (25 tons). The machine will keep your paving train moving by shrugging off challenges, including heavy traffic areas and their potentially troublesome transitions. The E2850 is also a prime performer in echelon paving applications.

QUALITY AND COST CONTROL

- The E2850's storage capability allows trucks to quickly dump their entire load and safely transition back into traffic
- It enables continuous movement to avoid uneven surfaces that result from starting/stopping
- Contact between end-dump trucks and pavers is eliminated, helping leave smooth mats behind
- The machine remixes material to reduce temperature and particle size segregation
- The fume extraction system is designed with automatically erecting front stack and centrally located rear position, eliminating rubber hoses to extend life and maintain function

INCREASED TRUCKING EFFICIENCIES

- Trucks can deposit loads a significant distance from the paver when necessary
- The machine works through areas where overhead obstructions, such as powerlines and bridges, can prevent trucks from raising their boxes
- The remixing transfer vehicle stores materials, freeing your trucks to drop loads—and return to the plant
- The storage capacity provides flexibility when traffic or other problems create inconsistent arrival times for haul trucks
- Trucks can unload at convenient spots while paving in hard-to-reach locations



PROBLEM SOLVER

- Uneven or segregated materials are remixed and delivered to the paver in a consistent manner
- Large caster wheels handle irregular base surfaces with ease
- Intersection and cul-de-sac work is less crowded because the E2850 can travel to the trucks
- Storage allows paver to continue even when traffic causes minor trucking delays



AVAILABLE OPTIONS

- Pickup head allows the E2850 to fit windrow applications
- Rear steer allows 4.27 m (14') inside turning radius
- Automatic lubrication simplifies maintenance
- 10 kW generator to meet jobsite lighting needs



ENHANCED JOBSITE SAFETY

- The E2850 is sized to fit beneath most power lines
- Trucks can avoid danger spots at congested jobsites
- Groundlevel storage hopper maintenance access and remote grease lines

BUILD YOUR PROFIT

Dumping materials where it's best for your crew.

Maximizing the potential of your hauling fleet.

Keeping your crews working continuously for increased productivity and quality.

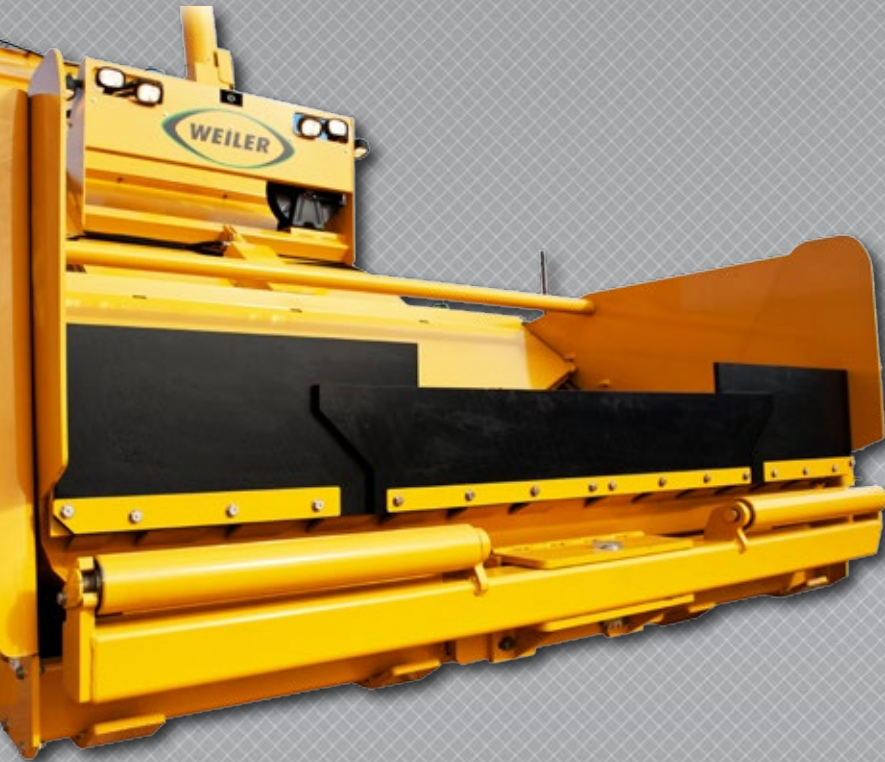
It all adds up to increased profit for your business.

Material Handling

Help your crew avoid bumps in the road.

A KEY TOOL FOR PLACING A SMOOTH MAT

The easier you can make the paving process, the more likely your crews are to have success—and to meet crucial job specs. The non-contact paving method provided by an RTV is the first step in placing a smooth mat. The easy-to-operate E2850's remixing capabilities also reduce the effects of segregation on mat quality. The vehicle is built to keep paving trains moving continuously, and to help your crews effortlessly overcome disrupted trucking patterns, tight operating spaces and other on-the-job challenges.



- Storage capacity of 22.7 tonnes (25 tons) helps your crew triumph over trucking disruptions
- Triple-pitch, hard-faced auger segments fight segregation by remixing at the base of the storage hopper
- The largest-in-class, flat-bottom front hopper is designed to maximize asphalt flow and minimize build-up
- The hydraulic baffle efficiently controls flow into the elevator—and manages surges
- The dump hopper hydraulically dumps to clean in transition between trucks
- Hydraulic vibrator in dump hopper assists in freeing lodged material
- The hydraulically extendable oscillating front push roller helps maintain seamless truck exchanges
- System calibrations and troubleshooting are made easier through the panel mounted display
- 457 mm (18") diameter caster wheels increase surface area for maximum weight distribution on uneven base surfaces
- Dump hopper control stations, located on both sides of the machine, allow for coordination between the operator on the platform, the truck driver, and the paver operator

Rugged elevator flights deliver mix to the storage hopper



Storage hopper design helps minimize segregation by providing steady material flow to remixing augers



Weight distribution is maximized by wide, self-cleaning caster wheels



PROPERLY DESIGNED, BUILT TO LAST

You need to keep moving. That's why components such as elevators, hopper conveyors and bearings provide increased life that helps keep your paving train moving all season long. The daily flow at the jobsite matters, too, and our conveyors, baffles and other key components ensure your crew works steadily.

HIGHLIGHTS

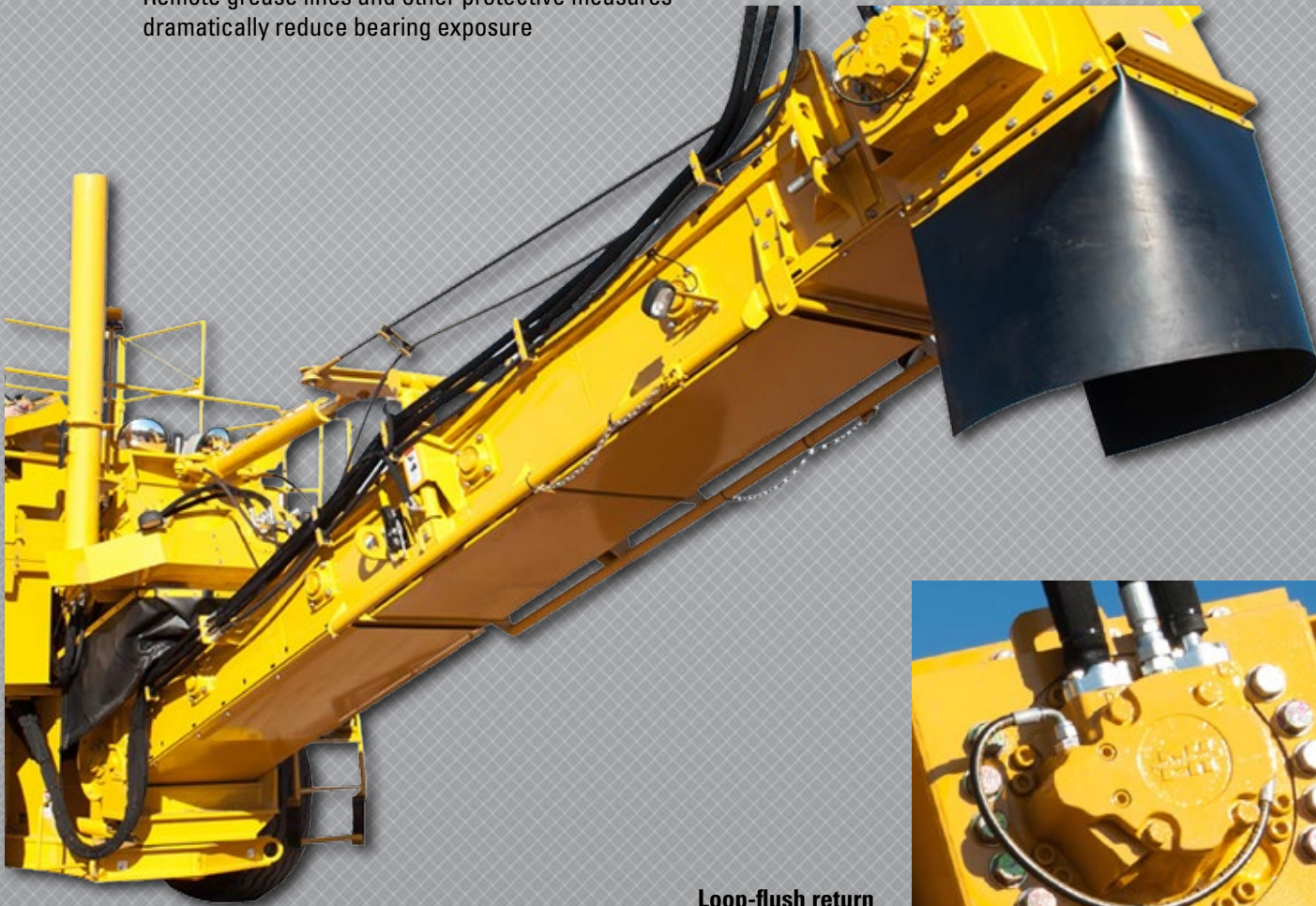
- The conveyor boasts segmented, bolt-on sprockets on the propelling side, as well as the largest diameter head shaft in its class at 114 mm (4.5")
- The heavy-duty, split-foot shaft features separated center bearings for efficient service and easy replacement
- Remote grease lines and other protective measures dramatically reduce bearing exposure

HIGH TORQUE DIRECT DRIVE HYDRAULIC MOTORS

- Maximize hydraulic efficiencies
- Eliminate gear boxes
- Provide thermal relief with loop-flush return system
- Extend seal life

THREE-SPEED HYDROSTATIC DRIVE

- Powers Cat® planetaries for smooth on-the-fly shifting and dual-speed control
- Utilizes joystick control and variable speed dial in order to match the paving train
- Optional ground speed indicator

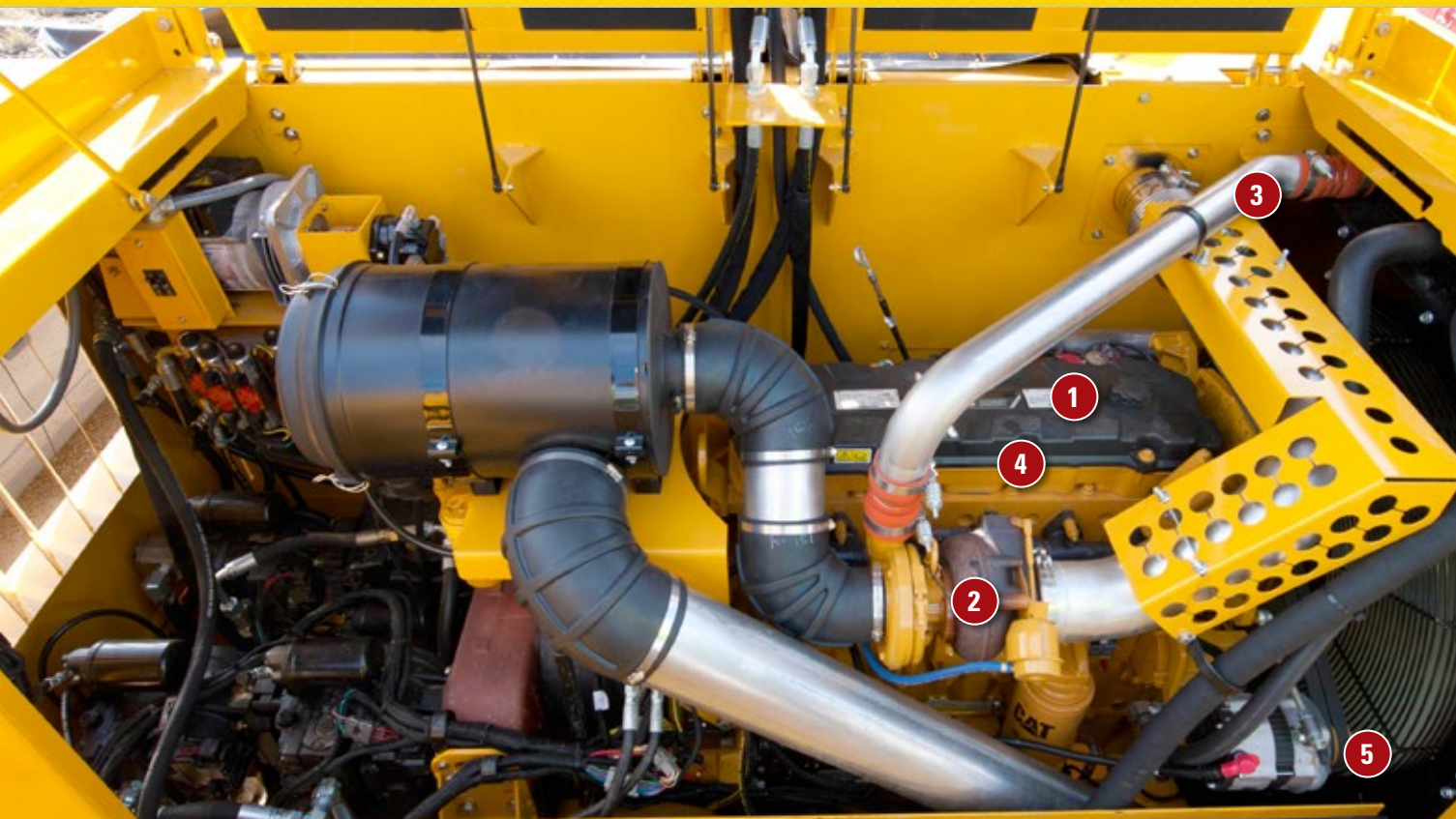


Loop-flush return system provides thermal relief



Properly Powered

Engine able to set pace, limit fuel consumption.



A NEED FOR POWER VS. FUEL EFFICIENCY

Advanced electronic controls on the 8.8 L (537 cu in) Cat® C9 engine with ACERT™ Technology provide precise fuel delivery. The controls assure delivery of the exact amount of power needed without burning excess fuel. Built-in efficiencies and properly spec'ed components also help you apply only the power needed, thereby stretching your fuel. In addition, the engine meets U.S. EPA Tier 3 and EU Stage IIIA emission standards.

ENGINE FEATURES

- Provides an impressive 224 kW (300 hp)
- Delivers fuel precisely
- Refined air management results in outstanding performance and lower emissions
- Components are designed to maximize durability and reliability

- 1 Reliable C9 engine with ACERT Technology
- 2 Turbocharged
- 3 Air-to-air aftercooled
- 4 HEUI precisely metered fuel injection
- 5 Compact, high-capacity cooling system

Variable speed dial and intuitive controls simplify operation



Visibility and Maneuverability

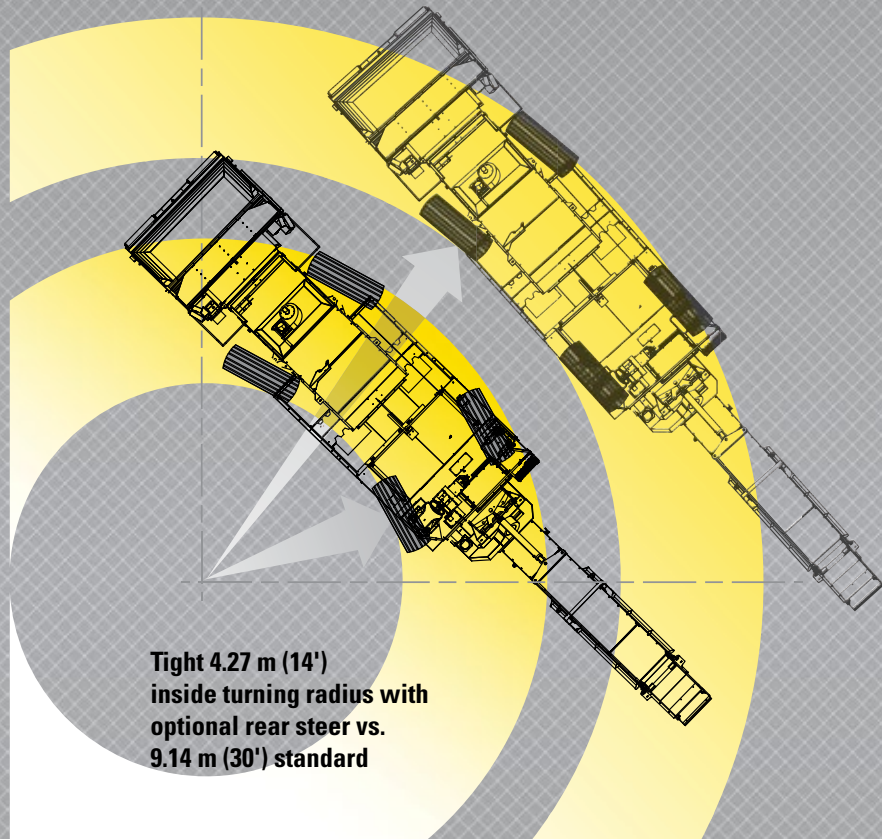
Extendable platform, rear steering are key.



The operating platform hydraulically extends beyond the mainframe from 0-305 mm (0-12") in either direction for superior left and right visibility

THE START OF THE TRAIN

Your operators need exceptional visibility to spot—and avoid—potential problems. Then they need the ability to place their machine in the right position to ensure it performs properly and sets accurate alignment for the paving train.



Tight 4.27 m (14')
inside turning radius with
optional rear steer vs.
9.14 m (30') standard



VIEW ENGINE DIAGNOSTICS 1	
ENGINE SPEED	900 RPM
PERCENT LOAD	10 PERCENT
COOLANT TEMPERATURE	188 °F
FUEL PRESSURE	74 PSI
FUEL LEVEL	45 PERCENT
FUEL SENSOR SIGNAL	2360 (mV)
OIL PRESSURE	34 PSI
BOOST PRESSURE	4 kPa
HYDRAULIC OIL TEMPERATURE	68 °F
THROTTLE SWITCH	LOW

In addition to system-calibration and trouble-shooting capabilities, the electronic controller provides instant feedback on hydraulic pressures, ground speed (optional) and engine status

HIGHLIGHTS

- The rear steer option reduces the inside turning radius to a tight 4.27 m (14') for better control in cramped quarters as well as easier loading on transport trailers
- The optional rear steering angle returns to center upon command
- The main control station pivots from left to right for opposite-side operation, maintaining proper control and alignment with the paving train
- A flow divider with a momentary switch provides equal flow to the front and rear drive system for enhanced traction when working on uneven terrain
- Platform operator controls are located at the fingertips with visual reference to reduce training time and increase comprehension



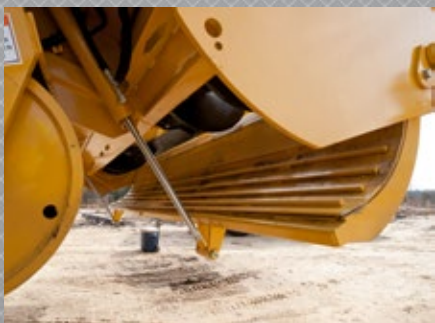
Simplified Clean-Out

Multiple hydraulic access points make for quick work.



QUICK AND CONVENIENT

- Storage hopper provides ground level access for simplified clean-out and service of remixing augers
- The front elevator, storage hopper, and rear conveyor are equipped with retractable floors for easy inspection, clean-out and maintenance
- A 15.2 m (50') wash-down hose and reel with optional independent 121 L (32 gal) wash-down tank are conveniently located at front of machine
- The rear maintenance control station eliminates the need for communication over engine and road noise; eliminates additional trips to the operator station; and provides efficiency in cleanout and inspection



HELP YOUR CREW BEAT THE CLOCK

Your crew needs easy access and efficient wash-down systems to put a quick end to their workday. Minimizing their cleanup efforts helps improve your profitability as well as extend the life of the equipment.

Easy Access Simplifies Service

Minimize time for routine maintenance and servicing.



REACH THE RIGHT PLACES

Easy access to components helps technicians reach the right parts and places, whether it's scheduled maintenance or a more urgent situation. That access is more than a convenience: It brings you lower maintenance costs—and improves machine uptime.



HIGHLIGHTS

- Weiler products are sold and serviced exclusively through Cat® Dealers around the world
- Building durable components is the first step
- Cat engines are continually upgraded for extended service intervals, maximizing machine uptime and cost savings on service and disposal of fluids
- Customer input has always been the standard for design and engineering, which leads to enhanced performance and satisfied end-users
- The engine is accessible from three large doors—one main center door with access doors on both sides



Specifications

E2850 Remixing Transfer Vehicle

E2850 Remixing Transfer Vehicle Specs

Weight	74,500 lb	33,792 kg
Operating Height	16'	4.88 m
Shipping Height	11' 4"	3.45 m
Operating Length	52' 3"	15.9 m
Transport Width	10'	3 m
Engine	Cat C9 Tier III with ACERT™ Technology	
Horsepower	300 hp	224 kW
Working Speed	194 fpm	59 mpm
Transport Speed	10 mph	16 km/h
Fuel Tank Capacity	150 gal	568 L
Hydraulic Tank Capacity	100 gal	378 L
Wash Down Tank Capacity	32 gal	121 L
Conveyor Slat Width	30"	762 mm
Conveyor Capacity	600 tons/hr	544 mt/h
Elevator Slat Width	58"	147 cm
Elevator Capacity	1,000 tons/hr	907 mt/h
Truck Hopper Width	113"	2870 mm
Truck Hopper Auger Diameter	22"	559 mm

STANDARD EQUIPMENT

- Wash-down system with spray wand and 15.2 m (50') hose reel
- Dual seats
- Hydraulically extendable, oscillating push rollers
- Rear control panel
- Operator's platform shifts 305 mm (12") out each side
- Cat® C9 224 kW (300 hp) engine
- Fume extraction systems

Optional features

- Automatic lubrication system
- Ground speed indicator
- 10 kW Generator
- Hopper insert (11.7 tonnes / 13 tons)
- Insert extension (4.5 or 7.2 tonnes / 5 or 8 ton)
- Rear steering
- Truck hitch
- Windrow attachment
- Lighting packages



Weiler Paving Solutions

The tools you need for more profitable paving.



REMIKING TRANSFER VEHICLES

	E2850	E1250A
Engine	Cat C9	Cat C7
Power	300 hp (224 kW)	250 hp (186 kW)
Weight	74,500 lb (33792 kg)	51,000 lb (23000 kg)
Height (Operating)	16' (4.88 m)	11'6" (3.5 m)
Length (Shipping)	55'3" (16.8 m)	44' (13.4 m)



ROAD WIDENERS

	W330	W430	W530	W730A
Engine	Cat C2.2	Cat C3.4	Cat C4.4	Cat C6.6
Power	49 hp (36 kW)	83 hp (62 kW)	114 hp (85 kW)	174 hp (130kW)
Weight	12,200 lb (5545 kg)	18,500 lb (8391 kg)	23,500 lb (10659 kg)	33,500 lb (15195 kg)
Max. Working Width	6' (1.8 m)	8' (2.4 m)	10' (3.0 m)	14' (4.3 m)
Max. Working Speed	150 fpm (46 mpm)	650 fpm (198 mpm)	730 fpm (222 mpm)	350 fpm (106 mpm)
Transport Speed	8 mph (12.8 km/hr)	11 mph (17.7 km/hr)	16 mph (25.7 km/hr)	14 mph (22.5 km/hr)



WINDROW ELEVATORS

	E550B	E650B
Engine	Cat C4.4 Tier IVi	Cat C4.4 Tier IVi
Power	115 hp (85 kW)	115 hp (85 kW)
Weight	17,600 lb (7895 kg)	20,300 lb (9200 kg)
Height	124" (3150 mm)	124" (3150 mm)
Length	230" (5842 mm)	230" (5842 mm)



ASPHALT PAVER

	P385
Engine	Cat C3.4
Power	83 hp (62 kW)
Weight	18,000 lb (8165 kg)
Screed Weight	3,000 lb (1361 kg)
Length	13'2" (4000 mm)
Height	70" (1778 mm)
Transport Width	102" (2591 mm)
Track Length	90" (2286 mm)
Paving Range	8'-5'8" (2.44-4.78 m)
With Cut-Off Doors	0-3'10" (0-1.1 m)

Customer Support Second to None

Value-added services that can boost your bottom line.

Your paving operation demands more than just quality products. You can count on us, as your Cat Dealer, to provide Weiler expertise and a full range of support services that add value and contribute to your success in many ways including:

- Product and application assistance from certified paving specialists
- Training that elevates your operators to higher levels of proficiency
- Availability of off-the-shelf OE parts that meet precise specifications
- Off-season maintenance and rebuild programs to assure continued reliability and productivity
- S-O-SSM Services that help you avoid unplanned repairs and costly downtime by monitoring all key fluids
- Financing options that are matched to your operating needs and help you maximize the return on your investment



Materials and specifications are subject to change without notice. Featured machines and photos may include optional equipment. See your Cat Dealer for complete product and application information including available options. All rights reserved.

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POWERFUL RESULTS.**