

# E2850C REMIXING TRANSFER VEHICLE



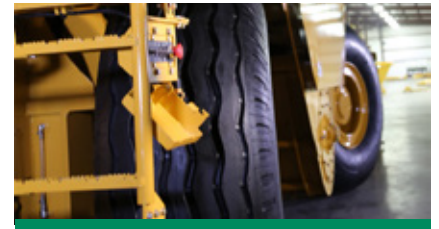
## **NON-STOP, NON-CONTACT PAVING.**

With 25 tons (22.7 mt) of onboard storage, triple pitch remix augers and 600 tph (544 mtph) discharge capacity, the E2850C keeps the paving train moving while reducing particulate and thermal segregation for smooth, long-lasting roads.



## **MATCH PAVING OUTPUT.**

The variable speed elevator and conveyors allow the E2850C to match plant output while reducing wear. By setting chain speed to match production, the number of revolutions of the chain are reduced and larger packets of mix are carried with each slat, reducing material segregation.



## **UNMATCHED MANEUVERABILITY.**

Rear steer provides an inside turning radius of 15' (4.6 m). The crab and coordinated steering functions return to center with the auto center feature providing enhanced control on tight jobsites and when loading and unloading for transport.



## **STORAGE HOPPER MANAGEMENT.**

The optional storage hopper management system features a proprietary sonic sensor that continuously measures the amount of material in the storage hopper. Two indicator lights allow the entire paving crew to know the material level at all times while the operator can see a percentage readout on the display.



## **COMPLETE CONTROL.**

The 24" (610 mm) shifting, front located operating platform and conveniently located controls provide the operator with excellent visibility and comfort. Optional paver hopper management system, distance to paver and conveyor auto-centering features maximize operation efficiency and production.



## **DESIGNED AROUND CLEANOUT.**

Full-width, hydraulic drop down floors along with four clam-shell doors for ground level access to the storage hopper and remix augers provide unmatched access for daily cleanout and weekly inspections. With the addition of the optional internal spray down system for chains and sprockets, the E2850C is designed to simplify the critical daily clean-out process.



# E2850C SPECIFICATIONS

<b>WEIGHT</b>	72,500 lb	32 885 kg	<b>TRANSPORT SPEED (MAX)</b>	10 mph	16.1 km/hr	<b>HYDRAULIC TANK CAPACITY</b>	115 gal	435 L
<b>TRANSPORT HEIGHT</b>	11' 5"	3.48 m	<b>WORKING SPEED</b>	194 fpm	59 mpm	<b>TURNING RADIUS</b>	15'	4.57 m
<b>TRANSPORT LENGTH</b>	54' 6"	16.61 m	<b>CONVEYOR CAPACITY</b>	600 tph	544 mtph	<b>TIRES</b>	High Flotation 21"-25" 28 ply	
<b>TRANSPORT WIDTH</b>	9' 10"	3.0 m	<b>CONVEYOR SLAT WIDTH</b>	36"	914 mm	<b>GROUND DRIVE</b>	4-Wheel Hydrostatic w/ 3 Speeds	
<b>WORKING HEIGHT</b>	16'	4.88 m	<b>ELEVATOR CAPACITY</b>	1,000 tph	907 mtph			
<b>ENGINE</b>	Cat® C7.1 Tier 4F/Stage V		<b>ELEVATOR SLAT WIDTH</b>	56"	1422 mm			
<b>HORSEPOWER</b>	300 hp	223 kW	<b>FUEL TANK CAPACITY</b>	150 gal	568 L			

## POWERTRAIN

Cat® C7.1 Tier 4F/Stage V Engine with 300 hp (223 kW)  
4-wheel drive  
Shift-on-the-fly 3-speed hydrostatic drive  
194 fpm (59 mpm) working speed  
10 mph (16.1 km/hr) transport speed  
Rear steer with 15' (4.57 m) turning radius

## OPERATING ENVIRONMENT

24" (610 mm) sliding, front mounted operator platform  
High-back, suspension seat with 357° rotation  
Dual side dump hopper control stations  
Rear control station for cleanout and hopper insert placement  
Digital controller for system calibrations  
Fume extraction system  
Lighted machine egress  
Dump hopper landing lights  
Optional storage hopper management system  
Optional paver hopper insert management system  
Optional conveyor auto-centering  
Optional distance to paver control  
Optional camera system w/ 3 cameras and color display

## MATERIAL DELIVERY

25 ton (22.7 mt) storage hopper capacity  
1,000 tph (907 mtph) elevator capacity  
600 tph (544 mtph) discharge conveyor capacity  
Variable speed elevator and conveyor  
Dump assist hydraulic moving floor  
Auto dump hopper cycle  
Heavy-duty, cast dump hopper augers  
Triple-pitch, cast remix augers  
High torque, direct-drive motors  
Insulated conveyor floor  
14' 9" (4.5 m) max conveyor swing in either direction  
Windrow head attachment option

## SALES AND SERVICE

Sold and serviced through Caterpillar dealers worldwide.

## CLEANOUT

Full-width, hydraulic cleanout doors on elevator/conveyors  
Full-width dump hopper cleanout door  
Four clam shell doors for storage hopper access  
Two hydraulic remix chamber cleanout doors  
Optional internal spray down system

## SERVICE/MAINTENANCE

Optional hydraulic conveyor chain tensioner  
Chromium Carbide wear plate below conveyor foot shaft  
Separated foot shaft bearings  
Four large engine access doors  
Easily accessible battery compartment  
Braided electrical harnesses and sealed connections  
Color-coded electrical wires  
Optional auto greaser system

## OPTIONAL EQUIPMENT

Truck hitch  
Windrow head in addition to truck dump hopper  
Conveyor auto chain tensioner  
AR400 1/4" (6.35 mm) storage hopper liner  
Chromium carbide floor plates  
Separate 60 gal (227 L) tank for tire spray system  
Chain and sprocket internal spray down system  
Tire spray system  
LED work lights (2 head, 6 work, 2 ground and 4-corner strobes)  
LED blade lights  
Truck signal lights  
12kW generator  
Paver hopper management with distance to paver  
Discharge conveyor auto-centering  
Storage hopper management system  
Camera system w/ color display & 3 cameras  
Automatic greaser - 45 points  
Low profile tires  
13 (11.8 mt) or 17 ton (15.4 mt) insulated hopper insert

## WARRANTY

12 months standard. Extended warranty available.