

E1650

REMIXING TRANSFER VEHICLE



NON-STOP, NON-CONTACT PAVING.

With 15 tons (13.6 mt) of onboard storage, triple pitch remix augers and 600 tph (544 mtpH) discharge capacity, the E1650 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 E1650 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.

NARROW TIRE WIDTH.

The 8' 6" (2.6 m) width from outside of tire to outside of tire of the E1650 provides room to work for the ground operator. The narrower width, along with rear steer option with 17' (5.2 m) inside turning radius, provides excellent maneuverability on narrow roads.



MATERIAL MANAGEMENT.

The storage hopper management system features a sonic sensor that measures the material in the storage hopper. The paver hopper management system automatically controls the speed of discharge conveyor and storage elevator to maintain a consistent level of material while the distance to paver radar maintains distance between the E1650 and paver.



COMPLETE CONTROL.

The 24" (610 mm) shifting operating platform with ergonomic controls is located at the front of the machine for exceptional visibility and comfort. The operator station shifts side-to-side and features a high-back, heated suspension seat that rotates 357°.



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 E1650 is designed to simplify the critical daily clean-out process.

E1650 SPECIFICATIONS

WEIGHT	67,200 lb	30 481 kg	HORSEPOWER	250 hp	186 kW	FUEL TANK CAPACITY	110 gal	416 L
STORAGE CAPACITY	15 tons	13.6 mt	TRANSPORT SPEED (MAX)	8.7 mph	14 km/hr	HYDRAULIC TANK CAPACITY	80 gal	303 L
TRANSPORT HEIGHT	11' 5"	3480 mm	WORKING SPEED	202 fpm	61 mpm	TURNING RADIUS-REAR STEER	17'	5.2 m
TRANSPORT LENGTH	54' 1"	16 485 mm	CONVEYOR CAPACITY	600 tph	544 mtph	TIRES	High Flotation 18"-25" 28 ply	
TRANSPORT WIDTH	9' 10"	2997 mm	CONVEYOR SLAT WIDTH	36"	914 mm	GROUND DRIVE	4 Wheel Hydrostatic w/ 3 Speeds	
WORKING HEIGHT	15'	4572 mm	ELEVATOR CAPACITY	1,000 tph	907 mtph			
ENGINE	Cat® C7.1 Tier 4		ELEVATOR SLAT WIDTH	56"	1,422 mm			

POWERTRAIN

Cat® C7.1 Tier 4 Engine with 250 hp (186 kW)
4-wheel drive
Shift-on-the-fly 3-speed hydrostatic drive
202 fpm (61 mpm) working speed
8.7 mph (14 km/hr) transport speed
2-wheel steering standard w/ 33' (10 m) turning radius
Optional rear steer with 17' (5.2 m) turning radius

OPERATING ENVIRONMENT

24" (610 mm) sliding operator platform located at front of machine
High-back, heated suspension seat w/ 357° rotation
Convenient control locations on single panel
Dual side dump hopper control stations
Rear control station for cleanout and hopper insert placement
Digital controller for system calibrations
Optional paver hopper insert management system
Optional distance to paver control

MATERIAL DELIVERY

15 tons (13.6 mt) storage hopper capacity
1,000 tph (907 mtph) elevator capacity
600 tph (544 mtph) storage and discharge conveyor capacity
Variable speed elevator and conveyors
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
55° max conveyor swing in either direction
Windrow head attachment option

SALES AND SERVICE

Sold and serviced exclusively 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
Optional internal spray down system

SERVICE/MAINTENANCE

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

OPTIONAL EQUIPMENT

Rear steer
Truck hitch
Conveyor auto chain tensioner
AR400 1/4" (6.35 mm) storage hopper liner
Canopy
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 strobe)
LED blade lights
Truck signal lights
12kW generator
Fume extraction
Paver hopper management with distance to paver
Camera system w/ 7" (178 mm) color display & 4 cameras
Automatic greaser - 50 points
13 (11.8 mt) or 17 ton (15.4 mt) bolt together hopper insert

WARRANTY

12 months standard. Extended warranty available.