MONTANA Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

mdtacel@mt.gov

Make:	Roadtec
Model:	RX-600e four-track
Equipment Type:	milling machine
Contractor Modifications:	none

Interstate Approval Conditions

Approval Type	crossing only
Speed:	no restriction
Weight:	61,390 lb or less
Traffic:	approved with regular traffic
Location Restrictions:	no restriction

Non-Interstate Approval Conditions

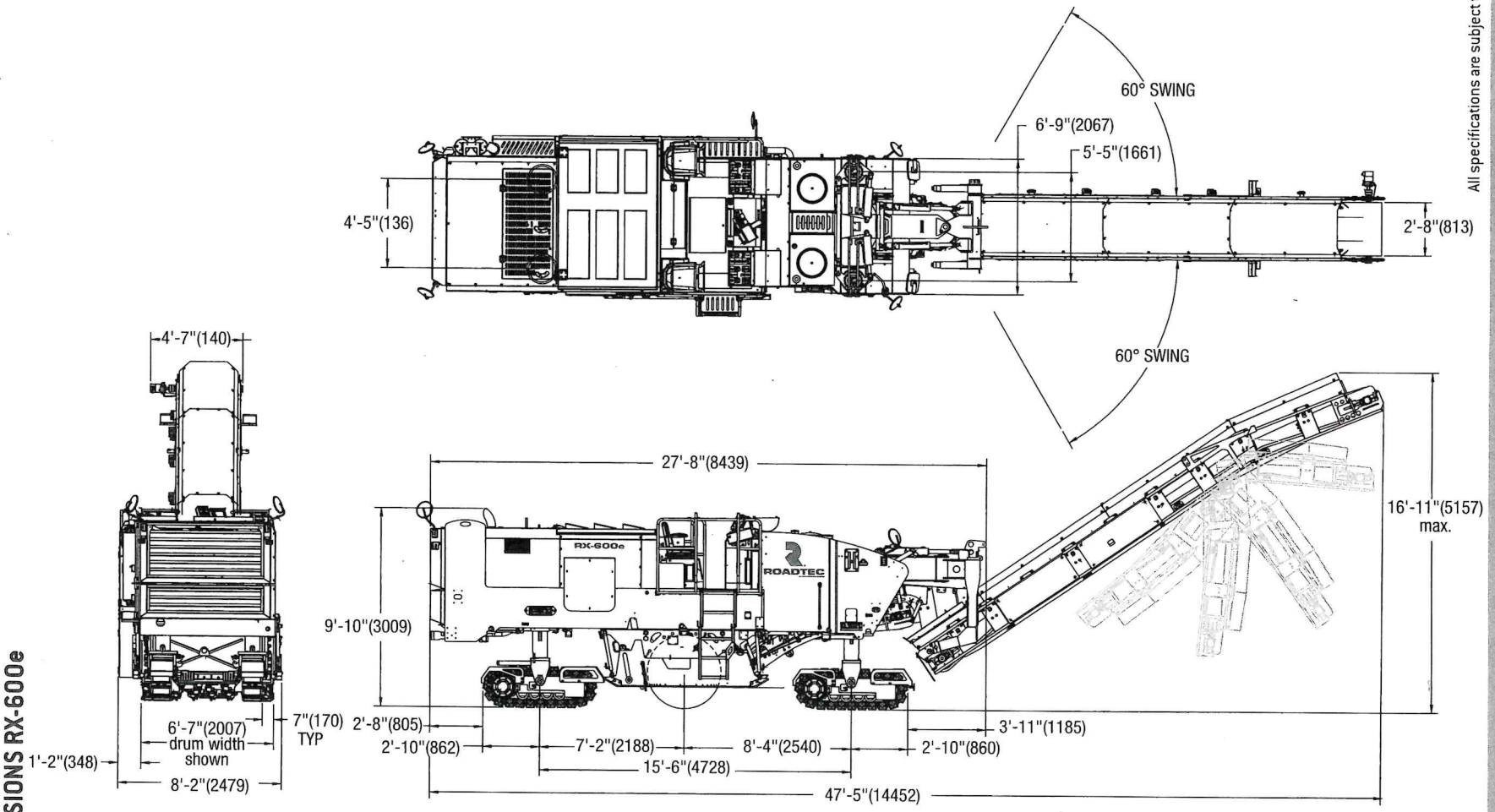
Approval Type	crossing only
Speed:	no restriction
Weight:	61,390 lb or less
Traffic:	approved with regular traffic
Location Restrictions:	no restriction

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to load posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.

ROADTEC
MACHINE DIMENSIONS RX-600e

Dimensions in brackets are mm.



SELECTED APPROXIMATE SHIPPING WEIGHTS (1/4 TANK OF FUEL)	WITH CH600-79 LBS / KG	WITH CH500-86 LBS / KG
RX-600 3-track	56,890 / 25,805	59,050 / 26,780
RX-600 4-track	59,220 / 26,860	61,390 / 27,850

All specifications are subject to change without notice.

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TECHNICAL SPECIFICATIONS

ENGINE	Cummins® QSX-15 Tier 4 Interim. One year engine warranty standard.
	Rated power 600 HP (447 kW)@1800 rpm. Maximum power 620 HP (460 kW) @ 1,850 rpm.
	Engine load control
	On demand cooling
ELECTRICAL SYSTEM	CAN-based electronics with onboard and remote diagnostics
	Two 8D batteries. 105 Amp alternator
	24 Volt system with master disconnect switch.
	Emergency engine shut-down
	Cutter disengages and engine shuts down when cutter doors are opened
CONSTRUCTION	High-strength steel side sheets. Stability & balance without unnecessary weight.
PROPULSION	Hydrostatic drive
	Automatic traction control
	Hydraulically controlled suspension. Manual and automatic.
CONTROLS	Two full-function operator stations (left & right side) on shock-absorbing operator platform
	Joy stick controls. Lighted instrument panel. Liquid-filled gauges.
	Foot/minute meter (or meters/minute)
	Auto-resume after stop
STEERING MODES	(4) modes: coordinated, crab, front only, rear only
GROUND CONTROLS	On each side for mold boards, emergency stop, horn, load-out conveyor, rear steering, end gates, elevation. Lockable vandal covers on main ground control boxes.
TURNING RADIUS	4-track: 6'8" (2.0m). 3-track: 5'8" (1.7m).
TRACKS	Direct hydraulic, planetary B3-HD track drives. Bolt-on, replaceable poly track pads.
	FOUR TRACK: (4) 12" (305 mm) wide grousers.
	THREE TRACK: (2) 12" (305 mm) wide grousers on front & (1) 14" (356 mm) wide one on back.
SPEEDS - FOUR TRACK	Travel 0-3.2 mph (0-5 kph) High working 0-163 fpm (50 mpm) Low working 0-110 fpm (34 mpm)
SPEEDS - THREE-TRACK	Travel 0-3.2 mph (0-5 kph) High working 0-127 fpm (39 mpm) Low working 0-100 fpm (30 mpm)
CONVEYORS	32" (813 mm) wide endless, heavy-duty belts with 1" (25 mm) tall molded rubber cleats
	Canvas load-out conveyor covers
	Self-cleaning head and tail pulleys
	120° load-out conveyor swing capability. Trucks can operate in adjacent lanes if needed.
	Truck guards on load-out conveyor. Safety guards on primary conveyor.
	Easy-open belt guard latches
STANDARD LIGHT & ELECTRICAL OUTLET PACKAGE	(10) 24 V lights. (2) magnetic base 24 V DC halogen work lights (6) 24 V DC power outlets.
FUEL TANK	250 gal (946L)
HYDRAULIC FLUID TANK	90 gal (341L)
WATER TANK	800 gal (3028 L). (3) fill stations.
WATER SYSTEM	Spray bars on conveyors and at front and rear of cutter housing. Variable speed, hydraulically-driven water pump with automatic on/off.
WASHDOWN	High pressure with 46' (14 m) retractable hose reel.
AIR COMPRESSOR	Includes air tools.
LUBRICATION SYSTEM	Grease fittings arranged in zones.
WARNING SYSTEM	Amber warning beacon. Back-up alarm. Track turn alarm. Back-up camera.
TOOLBOX	On-board, lockable tool storage.
AUTOMATIC POWER PACK	Raises and lowers engine hood, front and rear mold boards. Controls belt tension release.
OPERATOR SUN SHADE	Includes mounting hardware.