RTLO-14918B
RTLO-16918B
RTLO-18918B
RTLO-20918B
RTLO-22918B

The Low-Inertia™ Super 18

The ultimate for performance, versatility, and reliability with variable loads and speeds in applications up to 2250 lbs.ft.

- Unbeatable versatility with 19.7 to 1 overall reduction and 14.40 low gear.
- Economical performance with 0.73 and 0.86 overdrives for efficient cruise RPMs.
- Smoother, faster, easier shifting due to patented low-inertia technology.
- Exclusive output seal design improves seal life and eliminates potential for seal damage during yoke removal.
- Faster, smoother range and splitter shifts and improved cold weather performance due to design improvements.
- On selected models an optimized lubrication system provides increased cooling and lubrication for more difficult, harder working applications.
- Quieter operation and increased durability due to helical gears in auxiliary section.
- Improved lubrication with standard internal oil pump and oil lines for directed lubrication.
- Roadranger warranties are available for a wide variety of applications. To find the coverage that applies to your specific vocation, please see the Warranty Guide (TCWY0900), at www.eaton.com/roadranger.

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Fuller® 18-Speed Transmissions

MODEL	CAPACITY	WEIGHT*	LENGTH**	SPEEDS
RTLO-14918B	1450 lbs.ft. [1966 Nm]	716 lbs. [324.77 kg]	33.1 in. [840.74 mm]	18 forward, 4 reverse
RTLO-16918B	1650 lbs.ft. [2237 Nm]	716 lbs. [324.77 kg]	33.1 in. [840.74 mm]	18 forward, 4 reverse
RTLO-18918B	1850 lbs.ft. [2508 Nm]	716 lbs. [324.77 kg]	33.1 in. [840.74 mm]	18 forward, 4 reverse
RTLO-20918B	2050 lbs.ft. [2779 Nm]	716 lbs. [324.77 kg]	33.1 in. [840.74 mm]	18 forward, 4 reverse
RTLO-22918B	2250 lbs.ft. [3050 Nm]	716 lbs. [324.77 kg]	33.1 in. [840.74 mm]	18 forward, 4 reverse

* Less clutch housing, lubricant and end yoke. ** Lengths listed are from face of clutch housing to front bottoming surface of companion flange or yoke.

Specifications:

Clutch Housing Size:

- SAE #1 and #2.
- Cast iron and aluminum available.

PTO Openings:

- Two SAE standard openings.
- Right side, regular duty, 6-bolt, short length.
- Bottom, heavy duty, 8-bolt.

PTO Drive Gears:

- Right side, a 45-tooth, 6/8 pitch gear.
- Left side, a 47-tooth, 6/8 pitch gear. Both gears turn at .79 engine speed.

Oil Capacity:

- Approx. 28 pints [13.3 liters].
- Integral oil pump standard.
- Oil to water heat exchanger standard on 18918B, 20918B and 22918B (Requires 2 pints [.95 liters] additional lubricant. Adds 10 lbs. [4.53 kg] to weight).

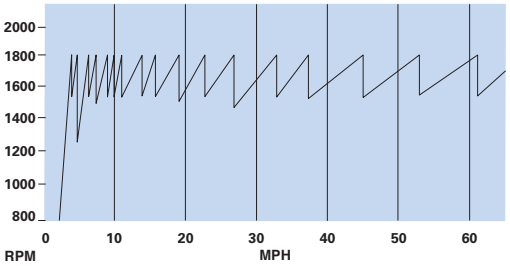
Low Inertia Concept:

This innovative, patented design is identified in the Fuller nomenclature by the letter "L" (as in RTLO-18918B).

These transmissions feature a simple mainshaft which is not splined to the auxiliary drive gear. This unique design eliminates the added mass, drag and inertia of the entire auxiliary section.

During upshifts, where both the lever and splitter button are moved together, the low-inertia mainshaft is quickly brought to synchronous resulting in fast, easy shifts.

Performance Chart:

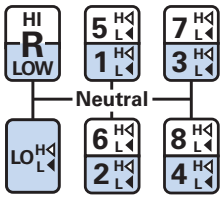


Based on 1800 RPM engine cruising at 1630 RPM / 65 MPH.

Ratios and Steps:

GEAR	RATIO	% STEP
8th H	0.73	17
8th L	0.86	17
7th H	1.00	17
7th L	1.17	18
6th H	1.38	17
6th L	1.62	21
5th H	1.95	17
5th L	2.29	
Range Shift		19
4th H	2.73	17
4th L	3.20	17
3rd H	3.74	17
3rd L	4.38	18
2nd H	5.16	17
2nd L	6.05	21
1st H	7.30	17
1st L	8.56	44
Low H	12.29	17
Low L	14.40	
Hi Rev H	3.43	
Hi Rev L	4.03	
Low Rev H	12.85	
Low Rev L	15.06	
Overall	19.7 to 1	

Shift Pattern:



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For spec'ing or service assistance, call 1-800-826-HELP (4357) or visit www.eaton.com/roadranger. In Mexico, call 001-800-826-4357.

Roadranger: Eaton and trusted partners providing the best products and services in the industry, ensuring more time on the road.

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