Fuller<sup>®</sup> On/Off-Highway Transmissions RT-8908LL RTO-14908LL RTO-16908LL

# The Fuller<sup>®</sup> 8LL Transmissions



8 plus 2 Versatility for On/ Off-Highway Applications and Demanding On-Highway Duty

- Eight road speed gears and two additional deep reduction ratios in low and reverse for on/off-highway versatility.
- Improved tolerance to driver abuse due to new mainshaft washer design.
- High capacity tapered roller bearings on both auxiliary countershafts for increased bearing life.
- Improved output seal system increases seal life and eliminates potential for seal damage during yoke service.
- Easy range shifting and long life due to proven heavy-duty synchronizer technology.

- Binocular-type range and deep reduction shift cylinder assembly for greater serviceability and fewer parts.
- Increased lubrication protection with optional integral oil pump.
- Standard SAE 6-bolt and 8-bolt PTO openings and optional thru-shaft PTO provision at rear.
- Roadranger warranties are available for a wide variety of applications. To find the coverage that applies to your specific vocation, please see the Vocational Warranty Guide (TCWY0900) at www.eaton.com/roadranger.





## Fuller<sup>®</sup> On/Off-Highway Transmissions

MODEL	CAPACITY	WEIGHT*	LENGTH**	SPEEDS
RT-8908LL	860 lbs.ft. [1166 Nm]	690 lbs. [312.98 kg]	33.1 in. [840.74 mm]	8 forward, 2 low, 3 reverse
RT0-14908LL	1450 lbs.ft. [1966 Nm]	690 lbs. [312.98 kg]	33.1 in. [840.74 mm]	8 forward, 2 low, 3 reverse
RT0-16908LL	1650 lbs.ft. [2237 Nm]	690 lbs. [312.98 kg]	33.1 in. [840.74 mm]	8 forward, 2 low, 3 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:

 SAE #1 and #2. • Grey iron or aluminum available.

Power Take-Offs:

- 2 SAE standard openings. Right side, regular duty, 6-bolt,
- short length.
- Bottom, heavy-duty, 8-bolt. Thru-shaft PTO also available as an option.

PTO Drive Gears:

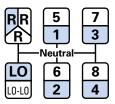
- Right side, 45-tooth, 6/8 pitch. Bottom, 47-tooth, 6/8 pitch. B ratio PTO gear turns at .94 engine speed. (RT-8908LL PTO's,.70 engine speed.)
- Constant mesh type PTO required, right side opening.

Oil Capacity:

- Approx. 28 pints [13.2 liters].
- Optional integral oil pump
- available.
- Integral oil pump is standard on RTO-16908LL and optional on RTO-14908LL.

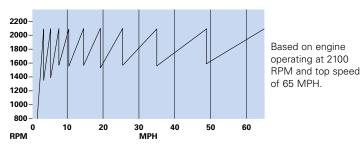
Ratios and Steps:						
GEAR	RT-8908LL RATIO	% STEP	RTO-11/14/ 16908LL RATIO	% STEP		
8th	1.00	— 34 — — 36 — — 35 —	.74	34		
7th	1.34		1.00	34		
6th	1.83		1.36	30 35 38 34 36 35 51 55		
5th	2.46		1.83			
Range Shift		- 38 - - 34 - - 36 - - 35 - - 51 - - 55 - 				
4th	3.40		2.53			
3rd	4.58		3.40			
2nd	6.23		4.63			
1st	8.39		6.24			
Low	12.67		9.42			
Lo-Lo	19.58		14.56			
Hi Reverse	3.89		2.89			
Low Reverse	13.24		9.95			
Lo-Lo Reverse	20.47		15.22			
Overall	19.58		19.58			

#### Shift Pattern:



Standard progressive "H" shift pattern only. (Previously designated as "X" pattern.)

### **Performance Chart:**



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SUPPORT

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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