

UltraShift® PLUS Quick Selector Guide



Learn more at
UltraShiftPLUS.com

Model	Linehaul			Vocational			Heavy-Duty and Extreme Performance			
	LAS Direct Drive	LAS Overdrive	LSE	VAS	VCS 8LL	VMS 9ALL	MHP	VHP	MXP	VXP
Description	10 Forward Spds 2 Reverse First Gear Ratio: 15.42 Overall Ratio: 15.42	10 Forward Spds 2 Reverse First Gear Ratio: 12.80 Overall Ratio: 17.53	16 Forward Spds 2 Reverse First Gear Ratio: 14.40 Overall Ratio: 14.40	10 Forward Spds 3 Reverse First Gear Ratio: 12.80 Overall Ratio: 17.53	10 Forward Spds 3 Reverse First Gear Ratio: 14.56 Overall Ratio: 19.68	11 Forward Spds 3 Reverse First Gear Ratio: 26.08 Overall Ratio: 35.73	13 Forward Spds 3 Reverse First Gear Ratio: 12.29 Overall Ratio: 16.84	13 Forward Spds 3 Reverse First Gear Ratio: 12.29 Overall Ratio: 16.84	18 Forward Spds 4 Reverse First Gear Ratio: 12.19 Overall Ratio: 16.70 (18A) 18 Forward Spds 4 Reverse 1st Gear Ratio: 14.4 Overall Ratio: 19.73 (18B)	18 Forward Spds 4 Reverse First Gear Ratio: 14.4 Overall Ratio: 19.73
Max GCW/GCVW	Up to 110,000 lbs	Up to 110,000 lbs	Up to 110,000 lbs	Up to 110,000 lbs	Up to 110,000 lbs	Up to 110,000 lbs	Up to 140,000 lbs	Up to 140,000 lbs	Unlimited	Unlimited
Primary Application	On-Hwy Only	On-Hwy Only	On-Hwy Only	On/Off Road	On/Off Road	On/Off Road	On-Hwy Only	On/Off Road	On-Hwy	Off Road
Suggested Applications	Linehaul	Linehaul	Linehaul	Dump, Roll-Off, Flatbed, Landscape	Highway Construction Dump, Block Truck, Pumper	Mixers, Asphalt, Spreading, Pumper, Crane	Doubles, Triples, Canadian & Linehaul	Heavy Dumps, On/Off Road Bulk Haulers	Doubles, Triples, Linehaul, Pickup and Delivery, Construction	Mining, Logging, Agriculture, Military
Warranty*	5 years/750k miles	5 years/750k miles	5 years/750k miles	3 years/unlimited miles	3 years/unlimited miles	3 years/unlimited miles	5 years/500k miles	3 years/unlimited miles	5 years/500k miles	2 years/unlimited miles
Alternate Applications	On-Hwy Only	On-Hwy Only	N/A	On/Off Road Severe Service	On/Off Road Severe Service	On/Off Road Severe Service	On-Hwy Only	Severe Service	On/Off Hwy & Severe Service	On/Off Road
Suggested Applications	Pick up and Delivery ¹ , Recreation, Transit Coach	Pick up and Delivery ¹ , Recreation, Transit Coach	Pick up and Delivery ¹ , Recreation, Transit Coach	Dump, Oil Field, Mining, Logging, Crane	Dump, Oil Field, Mining, Logging, Crane	Dump, Oil Field, Mining, Logging, Crane	Canadian & Linehaul	Dump, Oil Field, Mining, Logging, Crane	Heavy Haul, Dump, Oil Field, Mining, Logging, Crane, Agriculture	Fire/Rescue, Military, Mining, Logging, Oil Field
Warranty*	¹ 5 years/750K miles 3 years/unlimited miles	¹ 5 years/750K miles 3 years/unlimited miles	¹ 5 years/750K miles 3 years/unlimited miles	2 years/unlimited miles	2 years/unlimited miles	2 years/unlimited miles	5 years/500k miles	2 years/unlimited miles	2 years/unlimited miles	3 years/unlimited miles
Notes	This transmission is designed to provide optimal value for standard linehaul or city delivery applications while providing the efficiency benefits of direct drive.	This transmission is designed to provide optimal value for standard linehaul or city delivery applications while providing a wider overall ratio.	Designed specifically for linehaul applications. It has small ratio steps between all 16 gears to spend more time in the most fuel efficient engine RPM band, resulting in enhanced fuel economy.	This transmission is designed to provide optimal value for standard vocational applications.	This transmission is designed for those needing deep reduction combined with fast, flexible reverse for longer-distance backing.	This transmission is designed to provide superior low speed maneuverability around construction sites.	This transmission is designed for on highway applications where fuel economy and gradeability are important.	This transmission is designed for moderate on-off road vocational applications where on-hwy fuel economy and gradeability are still important.	This transmission is designed to haul extreme loads on large grades while providing for both on and off-highway capability. It may be optimized for performance or fuel economy.	This transmission is Eaton's most severe duty transmission, designed for harsh off-road environments as well as steep grades and heavy loads.

Note: The most appropriate transmission will vary with application. If you have more specific questions, please visit www.roadranger.com or contact your nearest Roadranger Service Representative. All vehicles must meet Eaton's minimum performance requirements with the specified GCW/GCVW.

***Warranty will vary depending on vocation and intended use conditions. Refer to Eaton Warranty Guide (TCWY0900) for specific warranty information. Warranty coverage will change for transmissions in trucks that are intended for export markets.**