



Allison
Transmission®
FRACTRAN®

Oil Field Series™



**A Revolution in Hydraulic
Fracturing Transmissions**

Durability When You Need It Most

FracTran® is built using large, heavy-duty components made from premium materials using state of the art manufacturing technology to give maximum service life.

- Integrated input coupling
- Enhanced lockup clutch control
- Enclosed valve body
- Balance-type rotating clutch pistons
- Stainless steel harness connectors
- Dedicated main and lube pressure pumps
- Optimized lubrication circuit

Performance Under Pressure

FracTran®, our all-new, designed-from-the-ground-up Oil Field Series™ transmission, is here. Designed to meet the harsh demands of oil and gas fields throughout the world, FracTran is purpose-built for fracturing and maximizes customer productivity with high reliability and powerful performance under pressure.

It's the perfect combination of size, strength and features.

Driven to Increase Productivity

FracTran® was specifically designed to get the job done day after day, stage after stage. With a design life of over 25,000* hours and a second design life that requires no hard part replacements, FracTran gives you more pumping time and lower total cost of ownership.

Rating	Design Life
hp (kW)	hours
2300 (1715)	25,000
2600 (1939)	20,000
3300 (2461)	15,000

* Depending on input power

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New PTO Locations to Reduce Ingestion of Debris with PTO Failures

New Torque Converter with Integral Coupling

Architecture to Provide 8 Ranges with Smaller Steps

Proven Off-the-Shelf Bearings

Common Rotating Clutches with Balanced Pistons

Same Clutch Plates Used on All 6 Clutches

3 Different Ratio Options Available

Cast Iron Housing

Transmission Mounted TCM

Larger Sump + Pump



Features That Matter

Count on FracTran® to deliver leading-edge prognostics, diagnostics and connectivity so you can increase productivity and peace of mind, and maintain total control over your operations.

Prognostics

- Filter life monitoring
- Oil life monitoring
- Oil level monitoring

Diagnostics

- 6th generation controls with increased diagnostic capability
- Torsional measuring diagnostics
- Dedicated converter temperature sensor
- Easy access to clutch pressure taps

Digital + Connected Services

On-rig gateway provides fast, consistent access to data in and from the field enabling real-time learning and response to any issues. Information gleaned from data enables more timely maintenance, overhauls and can extend transmission health ensuring Allison's total quality.

Ease of Service + Maintenance

Keep uptime to a maximum with a transmission designed to keep service and maintenance to a minimum. New features such as advanced controls, innovative PTO locations, output design and an upgraded fluid system have been engineered to keep your operations pumping.

Take your oil and gas field operations into the future with the revolutionary Allison Transmission FracTran® fracturing transmission.

FracTran® Ratings

Max Power	Max Input Speed	Max Input Torque	Max Output Torque	Ranges	Dry Weight *Including coupling	Overall Dimensions	Torque/Weight Ratio
hp (kW)	rpm	lb-ft (N•m)	lb-ft (N•m)		lbs (kg)	in (mm)	
3300 (2460)	2100	10,000 (13,558)	35,000 (47,453)	8	Est. 6450 (2925)*	66" L x 43" W x 49" H (1676.4 L x 1092.2 W x 1244.6 H)	1.55

Gear Ratios

	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ratio Coverage
FracTran - CR	3.82	2.80	2.50	2.11	1.83	1.54	1.36	1.00	3.82
FracTran - DR	4.87	3.57	2.78	2.42	2.04	1.78	1.36	1.00	4.87

Ratio Steps

	First/Second	Second/Third	Third/Fourth	Fourth/Fifth	Fifth/Sixth	Sixth/Seventh	Seventh/Eighth
FracTran - CR	1.36	1.12	1.19	1.15	1.19	1.13	1.36
FracTran - DR	1.36	1.29	1.15	1.19	1.15	1.30	1.36

■ Close ratio steps to allow for improved engine overlap.



A World of Support

From our headquarters in Indianapolis, Indiana, USA, to our manufacturing plants in Hungary and India, to more than 1,400 Allison Authorized Distributors and Dealers around the globe, you are never far from the products, training, service and support you demand.

Our support starts from the moment an Allison transmission is specified. We work with you to ensure that the model and ratings fit your engine to create a tailored package of powerful performance and reliable efficiency. When you need parts or service, you can count on global access to factory-trained specialists and Allison Genuine Parts™.

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Information or specifications subject to
change without notice or obligation.

allisontransmission.com

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