



www.isuzuengines.com

www.IsuzuREDTech.com

ISUZU Motors America, LLC :: 46401 Commerce Center Drive, Plymouth MI 48170 :: 734 582.9470



ISUZU
DIESEL

Isuzu is the global leader in commercial vehicles and diesel engines.

We consistently focus on “creation without compromise” in the process of building and maintaining a world class organization. By expanding our operations across the globe, Isuzu products benefit people in over 100 countries. To ensure the most advanced performance and superb service, we are moving forward in product development, quality, manufacturing systems and customer support, which will become the new global standards of excellence. We hold an uncompromising commitment to improvement for better products and a better partnership with the world.



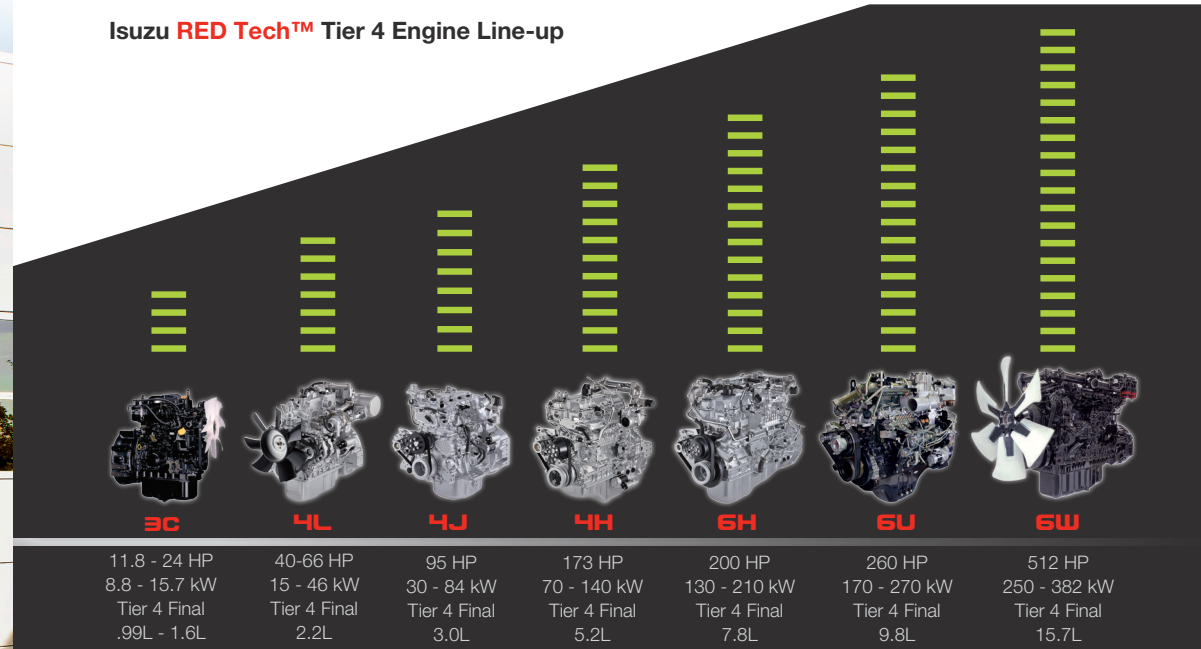
ISUZU Diesel North American Headquarters
located in Plymouth, Michigan USA



Isuzu has proven itself in the marketplace for 100 years and the Isuzu Brand is known for products that are:

- R**eliable
- E**co-friendly
- D**urable
- T**echnologically Advanced

Isuzu RED Tech™ Tier 4 Engine Line-up



**constant speed engine ratings*

Reliable because...

We are a proven global leading manufacturer of engines, trucks and buses. Isuzu has pioneered Diesel engine technology innovations since 1916. Our dedicated professionals are disciplined in engineering, manufacturing, and management to ensure the right solutions for our customers.

OVER 20 MILLION
ENGINES
WORLDWIDE

RELIABLE

Eco-friendly because...

A unique technology is applied in low load environments achieving Tier 4 Final without a DPF (Diesel Particulate Filter). Each engine is precision tuned for its highest efficiency, reducing oil and fuel consumption.

ECO-FRIENDLY

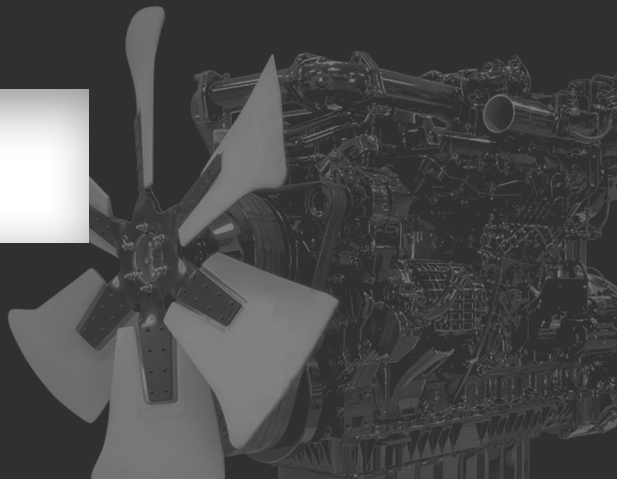




Durable because...

Long-lasting and robust fuel injection systems are designed for excellent fuel economy and extended service life. Stringent criteria of lowering NVH (noise, vibration, harshness) are engineered into every Isuzu engine.

DURABLE



Technologically Advanced because...

Every application is designed to meet customer specifications and is engineering validated for each environment. Our engines provide reliable performance, durability, and high thermal efficiency to help eliminate downtime.



Selective Catalytic Reduction (SCR)
Calibrated for your exact application



TECHNOLOGICALLY
ADVANCED

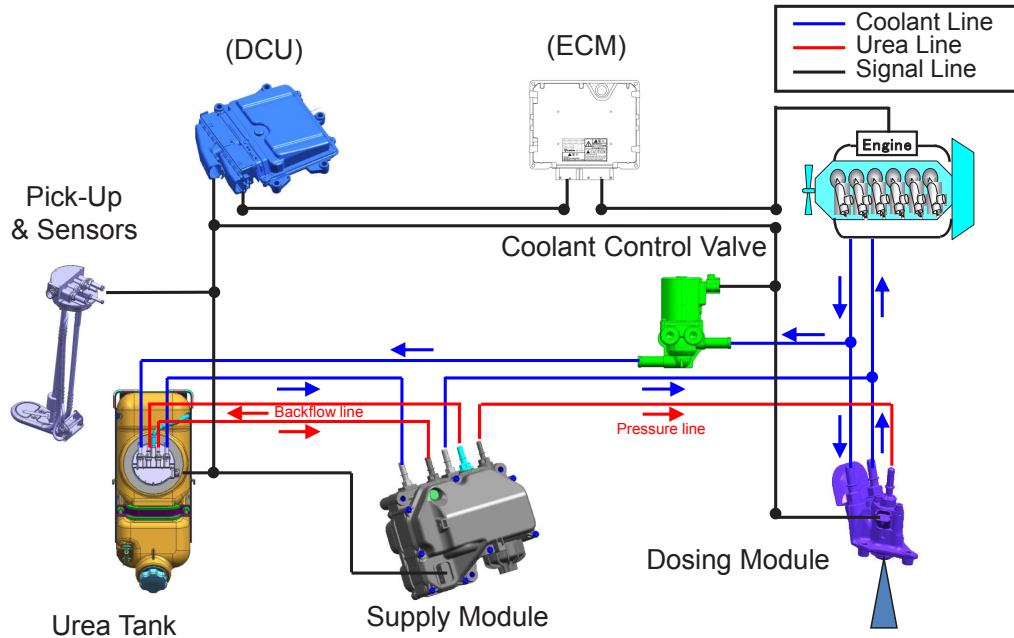
Selective Catalytic Reduction (SCR)

What is SCR?

The SCR system is used to remove exhaust emission, specifically NOx, from the exhaust stream.

The SCR process is completed by:

Injecting Urea (Ammonia/water mixture), also known as DEF (Diesel Exhaust Fluid) into the exhaust. The DEF, along with exhaust heat and a catalyst, break down the NOx emissions into less hazardous materials (CO₂, H₂O, Nitrogen).



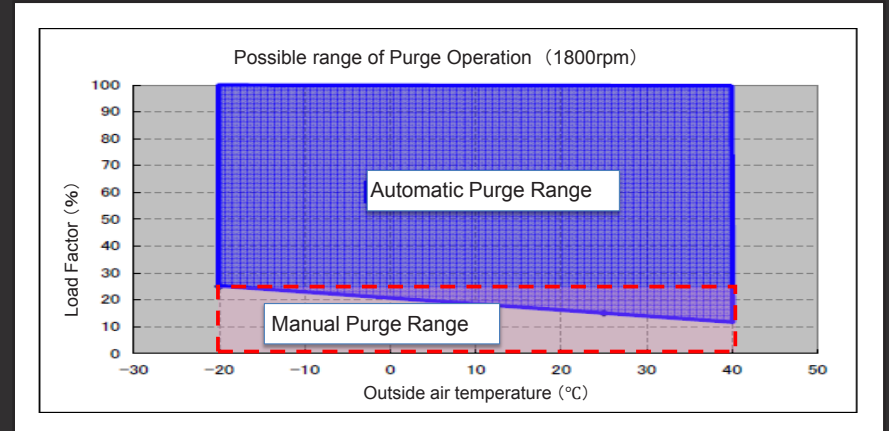
- * SCR can reduce NOx by 90%
- * System includes quality sensors

SCR PURGE

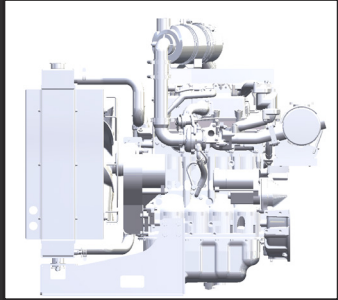
The purge cycle is used to cleanse the SCR system and ensure continued operation

Automatic Purge will occur every 30 hours and runs for approximately 5 minutes. This operates similar to iT4 Regeneration with fuel injected into the cylinder to raise exhaust system temperatures.

- Resets the DEF on the catalyst and optimizes DEF storage
- Removal of white sediment, or urea crystals, for optimal performance
- Removes Hydrocarbons and Sulfur build up as a result of the catalyst reaction



ISUZU GEN PACKS



-420
Open Power Unit
Pedestal mtg feet (FRT only)

Isuzu Gen Packs are pre-validated for constant speed applications ranging from light to heavy electrical loads. Cooling packages with aluminum or copper design are available for both open and enclosed applications.

Some other options include:

*Engine Wiring
Air Intake Systems
Block Heaters
Exhaust Systems
Top Mount DOC
Meter Board
Front Mounting Structure*



Wire Harness



Meter Board

ISUZU
RED TECH™

Isuzu RED Tech™ Because...Reliable, Eco-friendly, Durable and Technologically Advanced Diesel Engines matter.



"Isuzu's approach to address low loads has resulted in advantages compared to other manufacturer's engines. In the rental industry, Isuzu engines' ability to handle low loads has resulted in higher utilization numbers and lower maintenance costs."



"We have had proud owners bring in their Isuzu powered MQ POWER generators for service with over 30,000 operational hours. Exceptional experiences like this is what our reputation of reliability is built."



*Lawrence Wu
Director of Products & Services - MQ Power
Multiquip, Inc.*

