



HYUNDAI INFRACORE DIESEL POWER

DT Power Corp is the US authorized Southeastern Distributor for Hyundai Infracore's industrial diesel engines. Offering a range of Tier 4 compliant engines which exceed every emission regulation without the need for a Diesel Particulate Filter. OEMs and end users have a unique option that fits within the envelope of Tier 3. Whether your power requirements are for G-drive or variable speed, DT Power Corp has the engines that best meet your needs.



COMPACT CLEAN POWER

Tier 4 Final Hyundai Infracore Industrial and G-Drive Engines That Meet Your

EPA emission standards are transitioning to Tier 4 Final levels. Manufacturers are offering Tier 4 Final technology requiring catalytic converters and DPF (Diesel Particulate Filter) exhaust emission technology. DT Power Corp along with Hyundai Infracore diesel technology offer the OEMs a solution to meet their Tier 4 Final requirements without DPF after-treatment which would greatly increase the envelope from Tier 3 to Tier 4.



DT10

COMPACT INDUSTRIAL & G-DRIVE DIESEL ENGINES

The conventional technology after-treatment systems apply both Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC) to meet the emission regulation. Departing from the complicated conventional after-treatment systems, Hyundai Infracore has successfully eliminated DPF while satisfying the stringent emission requirements. Hyundai Infracore Compact Diesel Engines address both user convenience and environmental concerns.

REDUCED ENVELOPE: Tier 4 fits in equipment designed for Tier 3

EASE OF REPLACEMENT: Users can replace older engines with Tier 4

ADVANCED TECHNOLOGY: Leader in eco friendly engine technology



DT18

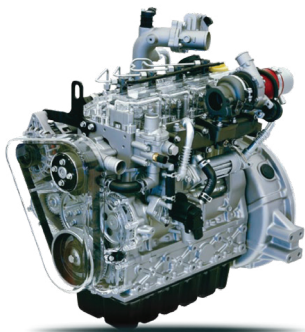
ADVANCED FUEL INJECTION SYSTEM

The fuel injection system of Hyundai Infracore's compact diesel engine is a 1800 bar common rail system. The advanced fuel injection system enables accurate fuel injection control thanks to the high pressure of the common rail. This unique technology of Hyundai Infracore's compact diesel engine improves performance and fuel efficiency, while reducing emission, noise, and vibration.

LOW NOISE VIBRATION: Due to better combustion and engine balance

BETTER FUEL EFFICIENCY: Cleaner combustion uses less fuel

GOVERNING: Optimized governing for each OEM application



DT24

REDUCED MAINTENANCE AND OPERATIONAL COSTS

Our research shows that dealers and customers want and prefer a Non-DPF solution. Non-DPF will mean fewer parts on our engines than DPF engines, which will also mean there will be fewer items for customers to perform required maintenance on. Non-DPF will help minimize after-treatment quality issues, such as a regeneration process and the clogging and cleaning of the filter.

NO DPF: Elimination of complicated sensors, wires, diagnosis lamp, etc.

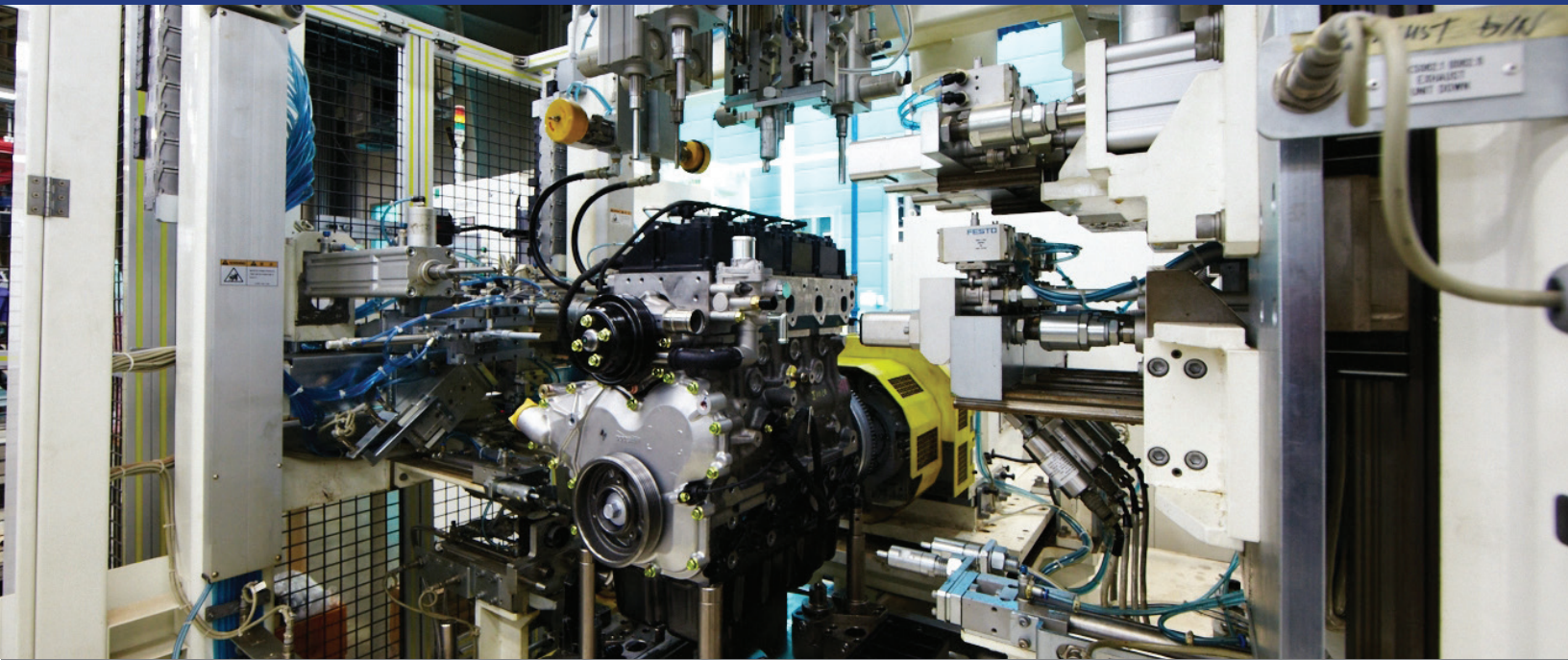
RELIABILITY: Prevention of after-treatment quality issues

LESS DOWN TIME: No regeneration process and ash cleaning required



DT34

WORLD CLASS ENGINE MANUFACTURING & DEVELOPMENT



COMPLETE RANGE OF 8 DT MODELS (4 Industrial "I" and 4 G-drive "G")

MAIN CHARACTERISTICS	DT10-I/G	DT-D18-I/G	DT24-I/G	DT34-I/G
Cylinder Arrangement	In-line 3		In-line 4	
Aspiration	Natural	Turbo-Intercooled		
Engine Control	Electronic			
Fuel Injection System	K-type Mini Pump	High Pressure Common Rail (1800 bar)		
After Treatment	Non	DOC		DOC + SCR
Emissions Compliance	Tier 4 - Final & Stage IIIB			Tier 4 - Final & Stage IV
Valve Arrangement	2 Valves per Cyl.	4 Valves per Cyl.		
Displacement	1.0 Liter	1.8 Liter	2.39 Liter	3.41 Liter
Bore x Stroke inches (mm)	2.95 x 2.99 (75 x 76)	3.54 x 3.70 (90 x 94)		3.86 x 4.45 (98 x 113)
PERFORMANCE SUMMARY (See data sheets for full details)				
Industrial Max. hp (kW)	24.0 (17.9) 3000rpm	49.6 (37.0) 2800rpm	73.7 (55.0) 2600rpm	110.0 (82.0) 2400rpm
G-Drive Eng. Max. hp (kW)	22.0 (16.4) 3600rpm	39.5 (29.5) 1800rpm	67.7 (50.5) 1800rpm	97.9 (73.0) 1800rpm
MAINTENANCE				
Oil Filter Change	500 - hours			
Fuel Filter Change	500 - hours			
Valve Adjustment	500 - hours			



PRODUCT SUPPORT

As a company within the Southeast Diesel Corp group of companies, DT Power Corp has considerable experience in supporting the needs and requirements of some of the world's largest engine companies and OEM's. We have the infrastructure and resources to provide 24/7 engine and product support for many diverse applications.

PARTS AVAILABILITY

At DT Power Corp we are committed to providing our customers with the best parts, service and value for their money. Our parts staff is comprised of individuals with decades of accumulated experience and extensive knowledge regarding the parts we supply along with the assurance that they are to the correct specification of the engine and equipment that you own.

EXPERIENCED SERVICE TECHNICIANS

We take great pride in our technicians who are trained in the latest service and diagnostic techniques. Whether it's a planned maintenance or an unscheduled shut down, our technicians will ensure minimal downtime to get you back up and running again wherever your equipment may be operating.

The dedication of our employees is our greatest strength and we look forward to providing you with the highest quality products and service in the industry.

The Hyundai Infracore engine platform was developed to be easily engineered into a wide range of equipment. OEMs that use Hyundai Infracore engines in their equipment have chosen an engine that provides quality and reliability.

Industrial engines power a wide range of off-highway equipment such as forklifts and skid steer loaders. In addition to meeting the latest emission standards, Hyundai Infracore's Tier 4 Final engines are engineered to meet the most rugged applications in the most demanding environments.

INDUSTRIAL ENGINES

Hyundai Infracore provides equipment manufacturers a range of industrial engines that meets the rugged operating environment of smaller pieces of equipment used in construction, mining, agriculture, and material handling.

Hyundai Infracore truly exceeds the quality and performance of a global engine manufacturer and enhances the performance, value, and quality of the OEM equipment they power.

G-DRIVE ENGINES

The Hyundai Infracore engine range, with its stable governing and fuel efficiency, greatly enhances the generator system it is powering whether it be for prime or standby power.

The Hyundai Infracore engine provides our generator customers four models of engines that address the power nodes below 100kW. The smallest model can be applied to both 3600 and 1800 rpm generator packages. Three other models address the key power nodes up to 100kW running at 1800 rpm.

In Hyundai Infracore, we have a G-drive engine that meets all the standards for our generator OEMs.

