

“NEW IVECO MOTORS ENGINES MEETING FUTURE EMISSION STANDARDS – STAGE 3A – TIER 3”.

AN EASY TRANSITION

Many of the recent environmental policies implemented by international authorities concentrate on the reduction of emissions caused by internal combustion engines.

As a result of these policies, all engine manufacturers have dedicated considerable resources for the development of engines capable of complying with progressively more stringent emission regulations and to be ready for the next step which will be introduced in January 2006.

Iveco Motors, a major global producer of diesel engines, has given priority to meeting these new emission standards while both improving engine performance and allowing for ease of transition for Iveco Motors' customers.

Iveco Motors engines in the medium and heavy duty ranges will easily meet the new emission limits by adopting an internal EGR system (Exhaust Gas Recirculation). Therefore, Iveco Motors' will not have to equip its off-road engines with complex external EGR systems or variable geometry turbo-compressors. Engines with mechanical fuel systems will still be available on Tier 3 applications for cost-sensitive customers.

The ease of transition to the internal EGR system to meet Tier 3 regulations is due to the fact that, during the development of Iveco Motors' engine families, special emphasis was placed on the known fact that emission limits were becoming increasingly more stringent.

“The main feature of our Tier 3 engines”, says Luigi Carnino, General Manager of Iveco Power Train Sales & Marketing, “lies in the fact that the external dimensions of the engines will not change from Stage 2/Tier 2 engines. Our customers can implement replacements without occurring additional application costs.”

The engines in the medium-duty range with mechanical injection, based on current NEF engines, will be offered with unchanged power levels, except for naturally aspirated engines that will be replaced by light turbo-charged versions. Engines with electronic control, thanks to new generation common rail injection systems, will benefit from significant increases in power. Moreover, all engines in the medium-duty range – with mechanical injection or common rail – will be available with standardized displacement of 1.125 liters.

The power range is from 40 to 175 kW.

Engines in the Cursor family – three models with a 6-cylinder in-line configuration, with an injector-pump system and electronic control – will cover a power range of 180 – 395 kW.

For outputs above 129 kW, Stage 3A/Tier 3 versions will go into production in January 2006. Field-test prototypes are already available for order. Engines with lower outputs will follow

immediately and will be available at least one year in before the new emission regulations take effect.

Product Range complying with EU stage 3A - EPA Tier 3

NEF

Up to 175 kW



CURSOR

Up to 395 kW



VECTOR

Up to 640 kW



T E C H N O L O G I C A L E X C E L L E N C E

