



FHI Introduces the Newly Developed Engine “ER12” Exclusively Designed for Rammer

Tokyo, November 22, 2010 – Fuji Heavy Industries Ltd. (FHI), the manufacturer of Subaru automobiles and industrial products, today announced the unveiling of its new engine ER12, which has been developed exclusively for Rammer- one of the heavy duty construction machineries, at the international trade fair for construction industry- bauma China, which is held from tomorrow, November 23 (local time) in Shanghai, China. The new ER12 will be gradually on production and sale in February, 2011.

The new ER12 has been developed exclusively for rammer, which especially requires the engine for high durability, high power output and superb mountability among many construction machineries. By utilizing experiences and know-how evolving from many years of development of rammer engines, the ER12 has realized lightweight and compact design, while achieving high power output of 2.6kW (engine displacement 120cc) that enables to widely fulfill the operating weight of 60 to 80kg-class rammers, the lightest-in-class* weight of 9.9kg, and the smallest-in-class* on the length and width. The ER12 has been designed to offer superior mountability, which is valued for rammer engine, by the optimal center of gravity for right-and-left balance.

Furthermore, the ER12 offers several new functions as standard equipment, which has been required to rammer engine for user’s safety as well as user friendliness, such as oil sensor that monitors the oil level not only at starting-up but also during operation, and automatic shutoff device that stops engine when the rammer rolls over or has no operation with idling. Moreover, the ER12 has been designed in consideration of ease of maintenance and economical efficiency, such as adopting solid crank case or the newly developed resinous dust-proof air cleaner for realizing ease of maintenance, realizing longer operational hours without oil-refilling.

FHI operates the general purpose engine business in its Industrial Products Company. Its engines have won high-level reliability from the customers in all over the world. Thanks to its various lineup, they are used as power sources for a wide variety of applications from small construction and agricultural machinery, which builds social infrastructure, to recreational equipment for people’s affluent lives. By introducing this new rammer engine, the company aims to become a global general engine manufacturer who can flexibly and promptly respond to the diverse needs of customers through enhanced product lineup especially engines for construction machineries, which is the core business of the company.

*FHI calculations



ER12

【Summary of specifications】

Model name	ER12
Type	Air-cooled, 4-cycle, single cylinder, OHC gasoline engine
Displacement (cc)	120
Max. output [kW (HP)/rpm]	2.6(3.5)/3600
Size L×W×H (mm)	228×286×322
Dry weight (kg)	9.9

*Specifications are subject to change without notice.