



We have developed the 4-stroke horizontal general-purpose engine FJ series for the commercial market (e.g. agricultural equipment, carts and other work equipment, lawn equipment), especially for professional applications in OEMs' work machines, and also for the residential market (e.g. generators, power sprayers), especially for general users.

The preceding FE series has been popular with OEMs and users for over 20 years, set apart by its best-in-industry low vibration which has given Kawasaki a reputation for low-vibration engines.

The development objective of our new FJ series has been to modify the structure from the FE series to maintain its low vibration while reducing cost, allowing us to hold our own in price competition, to expand our market share in 4-stroke horizontal general-purpose engines.

To fulfill the paradox of low vibration and low cost, we established a new production base in China, CK&K*, and managed to procure almost all parts in China from the prototype stage.

*CK&K: managed to procure 39.44% of most inventory FJ sub-components from KYMCO Co., Ltd. CK&K*CK&KMw 7rcCo., Ltd. T1Tw -1.538 -1.462 T3 69.4484.005. CK&K*, j -0.005 Tc484 4

vibration are compared in Fig. 2.

Thus, we achieved a vibration level that compares favorably to the preceding FE series, making a product that secures the industry's lowest vibration, to uphold Kawasaki's reputation for low-vibration engines.

(2) ▲ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿

The following design methods and approaches were introduced to improve price competitiveness.

We worked with vendors to advance low-cost design, with design methods suitable for procurement and manufacturing in China and compatible with Chinese