FMB Fans FMB 風扇

CROWN P+E

FMB is our company's newly developed, un-precendented oil-impregnated sintered bearing that possesses better reliability than the existing oil-impregnated sintered b earing

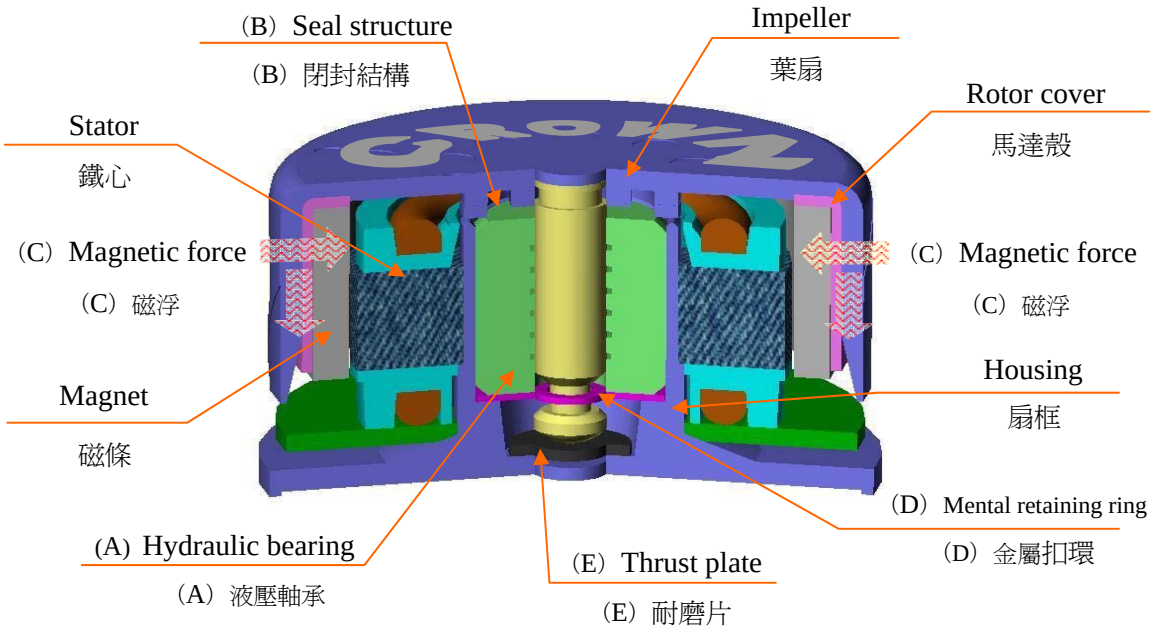
[*FMB* Fans' characteristics]

①It is more durable than the existing oil-impregnated sintered bearing.
② It uses a magnetic force that stabilize the rotating impeller to lower the vibration.

FMB 爲本公司最新開發的軸承系統，爲流體磁浮軸承(fluid magnetic bearing)的簡稱。比起以往的液壓軸承有著更高信賴度，爲一全新的軸承系統。

[*FMB* 風扇的特點]

①往以往的液壓軸承風扇有更長的壽命。
②獨特的磁吸結構使扇葉回轉更加穩定，減少振動。



[Technical features of *FMB*]

The following new technology enhanced the fan's performance in the newly developed product, ***FMB***。

(A) The newly developed hydraulic bearing to enhance the fan's longevity
- High heat-resistant, vaporization-resistance oil is used to reduce oil loss (by 20%).
- The size of hydraulic bearing has enlarged, accommodating more oil.

(B) The new seal structure to prevent lubricant leakage
- A new seal structure, modified from the existing enhanced lubricant leakage prevention feature, was adopted to achieve better oil sealing capability.

(C) The magnetic aspiration structure
- The strong magnetic force retains the fan's rotating body, stabilizing it even in high-speed rotation and yet enabling fan installation from any angle.
- The magnetic centers of the stator and the magnet are aligned, reducing magnetic vibration.

(D) Mental retaining ring
- Withstand 150g 10mS mechanical shock.

(E) The thrust plate made of high-quality sliding material
- A high abrasion-resistant, high-quality sliding material is used.
- The plate, highly heat-resistant, performs well under high-speed rotation and high temperature.
- Withstand 150g 10ms mechanical shock

[*FMB* の技術特徵]

新開發 FMB 提昇風扇性能，擁用下列的技術特徵。

(A) 使用新開發的長壽命的液壓軸承。
- 使用耐熱性佳的低蒸發的潤滑油，可有效降低風扇使用中潤滑油的蒸發。(降低 20%)
- 加大液壓軸承的容量，可增加潤滑油的的含油量。

(B) 新開發的風扇密封機構可減少潤滑油的外部流失及蒸發

(C) 360 度磁吸系統
- 強力的磁吸系統，即便是高速的運轉，強力的磁浮気可使扇葉安定地運轉。
- 鐵心／磁條磁力線相匹配，降低磁氣振動

(D) 金屬扣環
- 可耐 150g 10mS 機械沖擊

(E) 耐磨片
- 使用高耐磨耗性材料
- 可耐高溫，即便是高速、高溫回轉也不損其性能。