協磁股份有限公司
Assoma Inc.

AVF系列變頻罐裝泵浦
AVF Series Variable Frequency Canned Motor Pump

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簡 介

「AVF 系列變頻罐裝泵浦」是高度整合型創新產品，具有以下特色：
1. 永磁罐裝式馬達設計，節能超高效率 IE4 等級馬達設計。
2. 體積小、省空間，長度相較傳統磁力無軸封泵浦少 40% 以上。
3. 重量輕、易保養，重量相較傳統磁力無軸封泵浦少 41% 以上。
4. 具 CE、EMC 及 Atex 防爆認證，安全有保障。
5. 無風扇設計，低噪音。
6. 耐蝕塑膠泵殼與馬達外殼設計，結合 IP66 防水防塵等級，耐用壽命長。
7. 變頻降轉速運轉，輕負荷壽命長，又符合製程變化的需求。
8. 生命週期成本 LCC (Life Cycle Cost) 低 ，最經濟實用。

評 語

- 本標的為泵浦與永磁馬達的一體設計，縮小機體，提高能量轉換效率，並運用獲發明專利之結構設計封裝防止腐蝕，可提供電子化學與石化產業，耐腐蝕及耐高溫需求之解決方案。
- 本標的除創新結構設計外，具節能、耐用、省成本、省空間、省保養之特色，深具應用潛力。

Introduction

The AVF Series Variable Frequency Canned Motor pump is a highly integrated innovative product with the following features:
1. IE4 Super Premium Efficiency, permanent magnet canned motor design
2. Compact, space-saving; more than 40% reduction in length compared to traditional magnetic drive pumps
3. Light and easy to maintain; more than 41% weight reduction compared to traditional magnetic drive pumps
4. Safe and secure; CE, EMC, and ATEX certified
5. Quiet, fan-less design
6. Long service life; Corrosion resistant plastic casing and motor housing, IP66 rated
7. Reduced speed operation, extends service life, adaptable to process requirement changes
8. Low life-cycle cost, economical and practical

Commentary

- By integrating a pump and a permanent magnet motor, this product features compact size, improved energy conversion efficiency, and corrosion resistance with patented structural sealing design. It provides corrosion and high temperature resistance solutions for electronic chemical and petrochemical industries.
- This product possesses comprehensive application potential with its innovative structural design and features of energy saving, robustness, low cost, compactness, and low maintenance requirements.