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for industrial markets.*

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For immediate release:

PR 12: MilMotion Aggressively Pursues AC Induction Motor Market

Santa Ana CA – MilMotion, a division of DAE Systems/Dynamic-Air Eng., announces the manufacture of a new line of compact AC induction motors (ACIM). MilMotion AC induction motors can be applied to fans, material handling applications, transport equipment, compressors and other types of equipment where 100% duty cycle is required. Considered the workhorse of powered material handling equipment, the ACIM is the choice for most new facilities.

AC induction motors are rugged, robust, and simple to manufacture. Recent advancements in power electronics led to high power switching devices applied in variable-frequency drives. The advancements enable the ACIM to operate in a wider array of applications. ACIM coupled with drive packages are preferred over DC motors for speed control requiring gradual change in speed. These ACIM systems are used in mechanisms that have low speed performance and non-critical position accuracy. Precise control of speed, position, acceleration, and torque is possible by variable frequency drives when coupled with an ACIM.

MilMotion ACIM's come in four frame sizes and are classified as single-phase and three-phase. Rated at 115VAC and 200VAC 60 and 400Hz, these motors are designed in 2, 4, 6, 8, or 12 poles and come with ABEC Class 7 bearings, precision ground 416 shafts, and rated at an operating temperature range of -65F to +160 F.



(714) 540-1000 Telephone
(714) 545-9145 Facsimile
620 East Dyer Road
Santa Ana, California 92705
cs@daesyst.com
www.daesyst.com



MilMotion offers four types of enclosures for AC induction motors they are:

TENV-Totally Enclosed Non-Ventilated: A completely enclosed, non-ventilated motor without fan cooling. This type of motor can be used in material handling applications where another source of ventilation for motor cooling is available. This enclosure type does not expose the inside of the motor body to the environment.

TEAO-Totally Enclosed Air Over: A completely enclosed motor with air holes drilled in the housing and depends on an external cooling apparatus usually a fan. The enclosure of this fan is not completely sealed. Fan applications will implement this type of motor enclosure.

VEP-Ventilated Explosion Proof: Applied in environments where combustible elements such as gasoline, oil, ammonia, coal, or combustible dust are present.

VEPAO-Ventilated Explosion Proof Air Over: Applied in fans intended for use in environments where combustible elements such as gasoline, oil, ammonia, coal, or combustible dust are present.

Please download our catalog at www.milmotion.com for more information.