The EagleDrive™ is an electromagnetic drive for Micropump GA, GB, GJ, GJR, GAF, and CA Series pumps. This compact, high-performance drive enables our pumps to address a wide range of applications.

The EagleDrive™ is an innovative brushless DC motor with no moving parts for outstanding efficiency and reliability. With variable speed operation, a tachometer and error output, and with fwd/rev capabilities, the EagleDrive™ is the right choice for many system designs.

**SMALL PACKAGE**
The small package size means the EagleDrive™ is easily integrated into system designs.

**HIGH TORQUE**
High Torque offers improved flow rates with continuous duty pressures.

**HIGHER PUMP SPEEDS**
Pump speeds up to 8000 rpm resulting in higher flow rates.

**DIGITAL ERROR OUTPUTS**
Digital error outputs enable “check engine light” like diagnostic functionality.

**MAGNETIC DRIVE GEAR PUMP**

**ELECTROMAGNETIC DRIVE FEATURES**

**EASY DESIGN INTEGRATION**
Supports wide range of power supply voltages (10-38V). Error signals for easy error detection and diagnosis.

**HIGH PERFORMANCE**
Electromagnetic drive, with low inertia and high torque, for fast response times. Automotive grade electrical components for high temperature operation (up to 120°C) and durability.

**LONG LIFE**
Electromagnetic drive means fewer moving parts.

MICROPUfM.
EAGLEDRIVE™ DEMSE

DEMS DRIVE SPECIFICATIONS

SELECTABLE FEATURES
- Forward-Reverse Selection

TACHOMETER OUTPUT
- 2 PPR

FAULT OUTPUTS
- Over-Temp, Under-Voltage, or Internal Fault

POWER SUPPLY
- 10V to 38V DC

TEMPERATURE RANGE
- -40 to 120°C (-40 to 248°F)
- Max 85°C at Max Power

SPEED RANGE
- 36V = 1000 to 8000 rpm
- 24V = 500 to 5500 rpm
- 12V = 250 to 2650 rpm

TORQUE AT RATED SPEED
- 10 oz-in @ 3750 RPM (24V) (DEMSE)

CURRENT AT RATED TORQUE
- 2A @ 10 oz-in (24V) (DEMSE)

ENCLOSURE
- DEMSE Envelope Size (LxW): 2.8 x 1.9 in
- DEMSE Weight: < 10.6 oz (< 300 grams)

REGULATORY BODY COMPLIANCE
- RoHS

EAGLEDRIVE™ PUMP CONFIGURATIONS

EAGLEDRIVE™ DEMSE

GA Series

GJR Series

GAF Series

GJ Series

CA Series
EAGLEDRI
EAGLEDRIVE™ PUMP CONFIGURATIONS
EAGLEDRI
GJ Series
GB Series
GJR Series

DEELE DRIVE SPECIFICATIONS
SELECTABLE FEATURES
- Forward-Reverse Selection
TACHOMETER OUTPUT
- 2 PPR
FAULT OUTPUTS
- Over-Temp, Under-Voltage, or Internal Fault
POWER SUPPLY
- 10V to 38V DC
TEMPERATURE RANGE
- -40 to 120°C (-40 to 248°F)
- Max 85°C at Max Power
SPEED RANGE
- 36V = 1000 to 8000 rpm
- 24V = 500 to 5500 rpm
- 12V = 250 to 2650 rpm
TORQUE AT RATED SPEED
- 20 oz-in @ 3750 RPM (24V) (DEELE)
CURRENT AT RATED TORQUE
- 2.9A @ 20 oz-in (24V) (DEELE)
ENCLOSURE
- DEELE Envelope Size (LxW): 2.8 x 2.3 in
- DEELE Weight: < 17.6 oz (< 500 grams)
REGULATORY BODY COMPLIANCE
- RoHS

EAGLEDRIVE™ DEELE

GB Series
GJ Series
GJR Series

EAGLEDRI
ACTUAL PERFORMANCE MAY VARY. Specifications are subject to change without notice.

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