

PRECISIONFLOW™

High Efficient, Field Adjustable Operation, Wide Range of Applications



- Integrates 0-10V in, potentiometer, and 10V output power, into a modular connector piece
- Conduit enclosure support use of cords; flexible conduit
- Simple connection – no special connectors or tools required
- Wide array of voltages, signals and configurations to meet the requirements of most applications
- With external signal, on-board potentiometer can trim either min or max RPM
- Inputs customizable for specific OEM requirements
- RS-485 capable



PRECISIONFLOW

Product Overview

This Pumping ECM solution serves a vast array pump applications. This advanced EC motor provides constant torque and constant speed control dual voltage operation. This solution satisfies the increasing demand for electrically commutated motors (ECM) in modern pumping systems all backed by Nidec's extensive ECM experience and close application support.

Key Features and Benefits

- Up to 85% efficient, 30% better than common PSC motors
- Robust, integrated electronics with advanced thermal and overload protection
- Range of analog inputs and controls: (10-0V), (0-10V), and RS-485
- 3 DIP switches allow field configuration: CW/CCW, speed/torque mode and external or on-board potentiometer
- Advanced programming software reduces development and testing

Specifications

Horsepower: 1/3, 1/2, 3/4, 1 HP

Voltage: 1Ø, 115/208 – 230 Volts

Speed: 300-1800 RPM

Inputs: 0-10V, 10-0V, RS-485, or control via on-board or remote potentiometer

Operation Modes: Constant Torque, Constant Speed

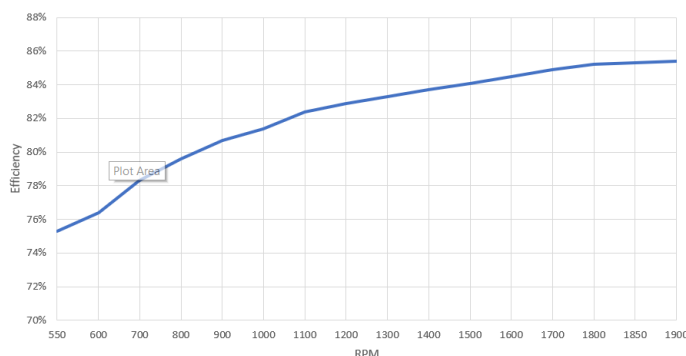
Frame: NEMA 48

Enclosure: Open Drip Proof (ODP)

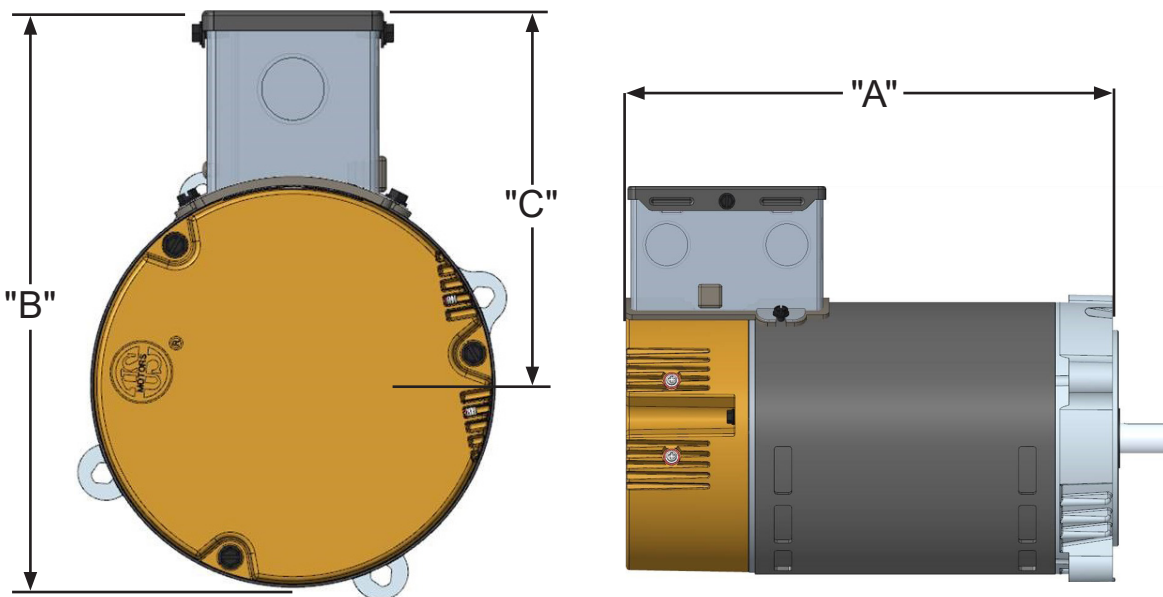
Efficiency: 85% peak

Mounting: C-FACE

Efficiency VS RPM



Configurations and Accessories



Pumping ECM Motor Dimensions						
HP	RPM	Voltage	Frame	Total Length (A)	Max Width (B)	Max Radius (C)
1	300-1800	115/208-230	48	10.132	8.078	5.248
3/4	300-1800	115/208-230	48	10.132	8.078	5.248
1/2	300-1800	115/208-230	48	9.382	8.078	5.248
1/3	300-1800	115/208-230	48	9.382	8.078	5.248

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