

## Count on Chief Enterprises for Bosch and Dumore motors, gearmotors, pumps, fans, and more.

We can deliver kits or pre-assembled components ready for you to install.

### Automotive Motors

#### DC Motors with Transmission

German engineered electric motors with transmission suitable for an abundance of applications including climate control, wiper systems, and seat adjustment. A versatile series featuring a wide range of performance with compact and robust designs.

#### WDD

Electric DC motor with the ability to customize speed, strokes, rotation, and rotation angle. Maximum torque up to 5,7 Nm.

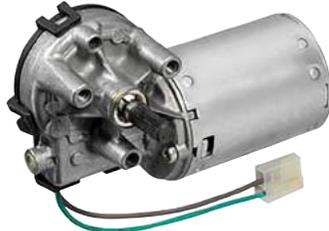
Degree of Protection: IP6K7.



#### CHP

Powerful electric DC motor with gear assembly featuring silent operation. Designed for automotive wiper applications. Available in 12V or 24V. Maximum torque 5 Nm.

Degree of Protection: IP23.



#### FPG

With a robust and reliable design, the FPG is ideal for automotive window applications. Available in 12V or 24V. Maximum torque 1 Nm.

Degree of Protection: IP53.



#### AHC

The AHC series is suitable for seat motor applications. Available in single or double gear versions and 12 or 24V. Maximum torque 3 Nm.

Degree of Protection: IP50.



#### VMC

The VMC is ideal for HVAC controls, throttle positioning, or other applications requiring slow speed. Available in 12 or 24V. Up to 50 Ncm.

Degree of Protection: IP 40.



### General Purpose Motors & Gearmotors

#### Permanent Magnet DC Motors

American made PMDC motors that are ideal for a wide range of battery or AC powered OEM applications including off road vehicles, agricul & construction equipment. Competitive advantages include complete customization, quiet operation, compact design, rugged construction, and multiple mounting options. UL Recognized.

#### DM Series

Designed for a variety of motion applications from electric actuators and hydraulic pumps to winches, cranes, and hoists. Available in 12-240 VDC, maximum power rating ranging from 0.25 to 1.00 HP, and speed ranging from 1,000 to 8,000 rpm. Customizable options include, but are not limited to, output shaft configurations, mounting, finishes, colors, lead length and terminations, brakes, clutches, and encoders.



#### PMDC Right Angle Drive Gearmotors

Manufactured in the USA, these fractional horsepower PMDC right angle worm gearmotors are ideal for battery or AC powered lifting and mobility, conveyors, material handling, and more. Notable features include quiet operation, high performance in regards to power and durability, multiple mounting options, and complete customization.

#### DM28 PMDC Series

Custom gearmotor featuring a hybrid helical and worm gear reducer 12VDC brush motor, that produces 600 in-lb torque rating, 3.0 rpm. RoHS Compliant.



#### Planetary Gearmotors

DC electric planetary gearmotor performing with high efficiency and low sound. Features include light weight compact design and high torque ratio. Available in 12 or 24V.



Let Chief Enterprises do more for your business.

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## General Purpose Motors & Gearmotors

### Reversible DC Gearmotor

With a light weight design, this compact reversible DC gearmotor features high torque, slow speed with a full load torque rating of 100 in-lbs and a stall torque of 200 in-lbs at 12V. Ideal for valve, step & door actuator applications.



## Water Circulation Valves & Pumps

### Solenoid Valves

German engineered solenoid valves for water-quantity control in the automotive and commercial vehicle industries.

### Shut-Off & Timing Valves

Designed for water quantity control for the heating of passenger cars and commercial vehicles. Available in 12 or 24V.



Degree of Protection: IP5K4

### Water Circulation Pumps with DC Motors

Water circulating pumps, manufactured in Germany, designed for thermal management of electric & hybrid vehicles and other cooling systems (heaters, generators, turbochargers, controllers & batteries).

### PAA/PCA

Water circulating pump with brushed DC motor used in liquid to air intercooler systems for both OEM and aftermarket applications. Features a compact design at 12V.



Degree of Protection: IP5K4

### PAD

Driven by a brushless DC motor allowing for a longer service life, quieter operation, improved efficiency, and a smaller and lighter unit.



Degree of Protection: IP69K

In addition to stocking a full and versatile line of motors, pumps, and blower fans, Chief also offers value-added services including: product modification, assembly, kitting, and design-in services. Our motors and fans comply with industry standards and are applicable to a variety of OEM applications such as window mobility, and engine cooling. What's more—they're backed by trusted brands like Bosch and Dumore.

## Air Circulation

Backed by the largest manufacturer of electric motors in Europe, we provide a wide range of Bosch blower and engine cooling products that feature high efficiency with low noise operation.

### Blowers & Fans

This radial blower is known for its low noise operation, light weight, and high efficiency. Available in 12 or 24V and suitable for ventilation, air-conditioning, and system cooling.



Degree of Protection: IP 13

### Motors

These DC motors without transmission are designed for heater and air-conditioning blowers, and engine cooling. Also suitable for high speed applications. Available in 12 or 24V.



Degree of Protection: IP 10

An authorized distributor for



**BOSCH**

connector parts.

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