

MOTORS & GEARMOTORS

Overview



ABOUT CROUZET

Crouzet is an independent company **manufacturing mechatronic components for demanding applications in Aerospace & Transportation, Energy, Building and Machinery Industry.**

Crouzet provides **Switches and Sensors, Electromechanical Actuators, Electrical Protection Equipment, Cockpit Controls, Automation Controllers and Relays, and Instrumentation Services.**

Since 1921, Crouzet has a heritage of close collaboration with customers in the development of products, from standard components to fully customized solutions.

Crouzet's customers and partners can rely on our teams worldwide to always meet and often exceed their expectations. Driven by innovation, our experts are focused on designing and delivering the right product for the right application.

Crouzet is your trusted partner of choice to face industrial challenges of today and tomorrow.

WORLDWIDE PRESENCE















📍 HEADQUARTERS

■ SALES OFFICES

MOTORS

CHARACTERISTICS	INDUSTRIAL BRUSH			DCmind BRUSH		DCmind BRUSHLESS		SYNCHRO
	82840 82860	82800 10 50	82830 82890	89800 10 50	89830 89890	80140 180 280	80350 60 70	82510 20 30 40
Nominal power (W)	0.9 / 3	9 → 33	27 → 95	15 → 35	54 → 104	66 → 150	310 → 600	0.3 → 3
Voltage	12 → 24 V _{DC}	12 → 48 V _{DC}	12 → 48 V _{DC}	12 → 48 V _{DC}	12 → 120 V _{DC}	9 → 75 V _{DC}	9 → 75 V _{DC}	24 → 240 V _{AC} 50 → 60 Hz
Front side (mm)	∅ 32	∅ 42	∅ 63	∅ 42	∅ 63	50/57	50/75	∅ 35 / 51 ∅ 57 / 65
Nominal speed (rpm)	3700	3000	3000	3000	3000	3000	3000	250 → 600
Nominal torque (mN.m)	2.2 / 7.7	41 → 100	170 / 270	50 → 110	180 / 290	125 → 550	830 → 1900	10 → 110
Noise level (dBA)	55	55	55	35	35	45	50	30
Service life (hrs)	2000	3000	5000	4000	5000	20000	20000	20000
Certification	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS
Gearboxes	Parallel shafts	Planetary	Worm	Worm	Planetary	Worm	Planetary	Parallel shafts
Connection	Terminal	Cable	Cable	Cable	Cable	Terminal	Connector	Cable
Standard		Interchangeable brushes		EMC filter	Ball bearing	EMC filter	Ball bearing	
Options	EMC filter, Cable	EMC filter, Ball bearing, Cable	EMC filter, Ball bearing, Cable	Cable	Cable		Optional regenerative energy absorber	
IP		IP20		IP65*		IP54	IP65*, IP67*, IP69*	IP40

* Except front face & shaft

 EMC filter	 Worm	 Terminal	 Planetary	 Parallel shafts	 Interchangeable brushes
 Cable	 Ball bearing	 Connector	 Lead	 Silent	 Optional regenerative energy absorber

ACCESSORIES & OPTIONS

- › Brakes from 0.25 to 4.5 N.m⁽¹⁾
- › Encoders from 1 to 1000 Pulses per Revolution⁽²⁾
- › Special connectors
- › Special output shafts (design and/or material)
- › Others : on demand

⁽¹⁾ Except Industrial Brush ∅32, Synchronous and Stepper ranges

⁽²⁾ Industrial Brush and DCmind Brush ranges only





90+ years of customization, adaptation & co-design expertise at your service

DESIGN LAB

To meet market expectations and provide customers with the right solutions within the shortest timeframes, Crouzet has structured all company processes around the different types of product: standard products, adapted products or products specially developed for a customer. Introducing the adaptation wheel...

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SPECIAL PRODUCTS

When the adaptation is no longer suitable, we focus our design, manufacturing and qualification expertise on developing a new product designed to meet your requirements.

1

STANDARD PRODUCTS

We offer a full range of motors and geared motors, including AC synchronous, brush and brushless DC and stepper motors. Our products are available immediately so you can quickly implement your projects.

3

ADAPTED PRODUCTS

All projects are different, so we adapt the performance and functionality of each product to your requirements, ensuring the success of your most complex applications.

2

PRODUCTS WITH ADDED VALUE

All our standard products can be complemented by factory-installed extras, accessories or programs including connectors, special contacts, software etc., to assist integration into your equipment, simplify your logistics and maximize the reliability of your installations.

ACTUAL EXAMPLES

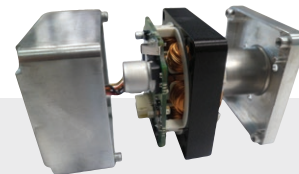
Brushless motor with integrated electronics for Access Control in public transportation applications:

- › Autonomous torque, speed and position control
- › Reinforced gearbox
- › Specific firmware with integrated emergency mode
- › CANopen communication
- › High resistance against vandalism



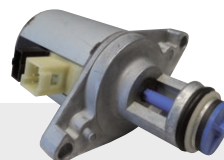
Gear pump equipped with a brushless motor:

- › Rotor with leak tight seal
- › Application-specific electronics
- › Shortened motor



Releasable linear actuator for gas boilers equipped with a stepper motor:

- › Gas flow adjustment
- › Automatic closing in the event of a power failure
- › Gas-tightness measured on the production line



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