

ADAPTATION WHEEL

To meet market expectations and provide customers with the right solutions within the shortest timeframes, Crouzet Motors 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...

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.

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.

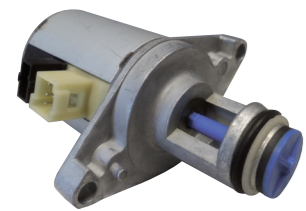
ADAPTED PRODUCTS

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.

PRODUCTS WITH ADDED VALUE

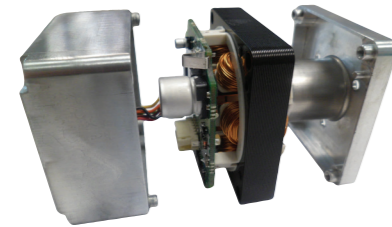
All our standard products can be complemented by factory-installed auxiliaries, accessories or programs including connectors, special contacts, software etc., to assist integration into your equipment, simplify your logistics and maximize the reliability of your installations.

ACTUAL EXAMPLES:



Disengageable 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



Gear pump equipped with a brushless motor.

- › Rotor with leaktight bell
- › Application-specific electronics
- › Shortened motor



Adjustment of steering column equipped with a brush motor.

- › Silent-running gearbox
- › Worm gear linear motion
- › Resistive encoder
- › EMC filter
- › Motor characteristics as per customer specifications

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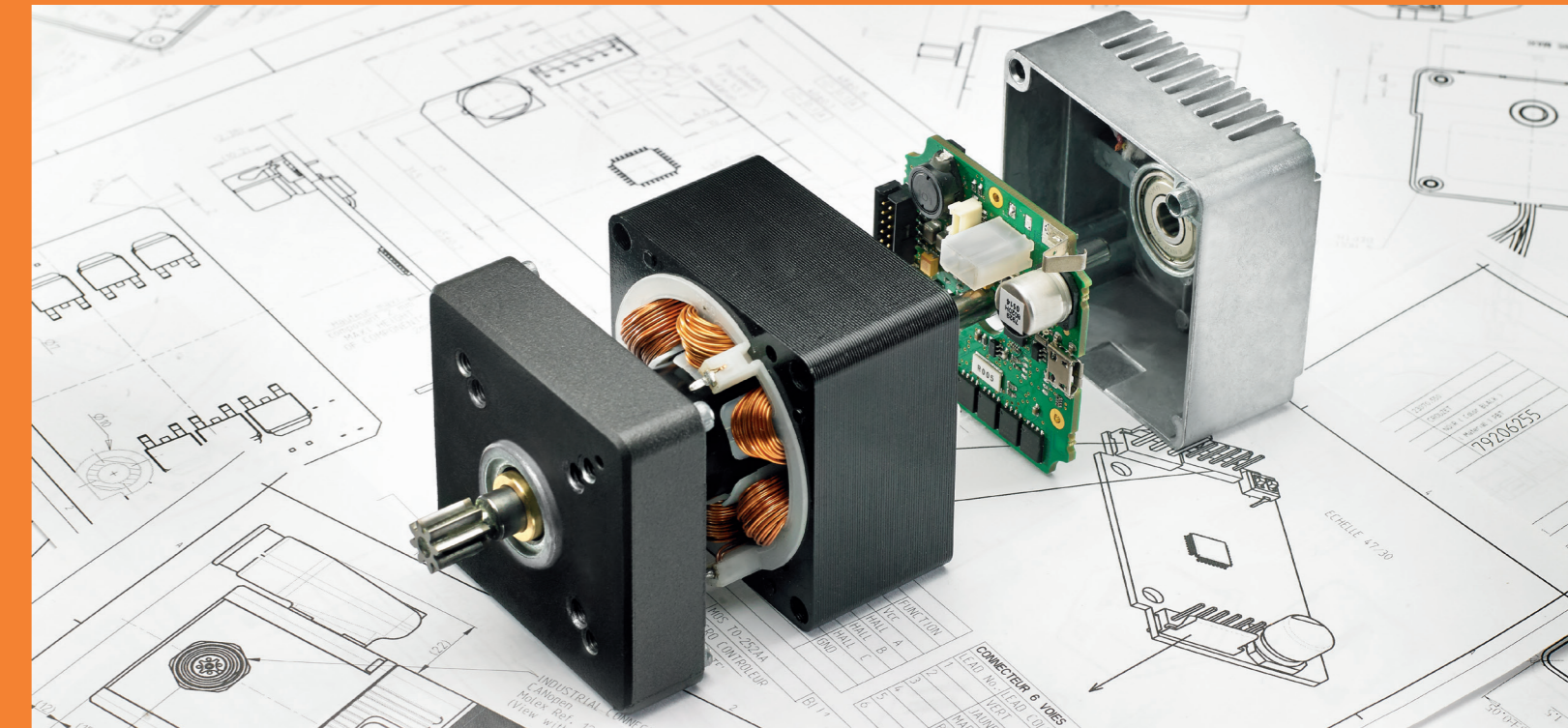
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MOTORS AND GEARMOTORS PANORAMA



- › Brush
- › Brushless
- › Stepper
- › Synchronous

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Warning:

The product information contained in this catalogue is given purely as information and does not constitute a representation, warranty or any form of contractual commitment. Crouzet Automatismes SAS and its subsidiaries reserve the right to modify their products without notice. It is imperative that we should be consulted over any particular use or application of our products and it is the responsibility of the buyer to establish, particularly through all the appropriate tests, that the product is suitable for the use or application. Under no circumstances will our warranty apply, nor shall we be held responsible for any application (such as any modification, addition, deletion, use in conjunction with other electrical or electronic components, circuits or assemblies, or any other unsuitable material or substance) which has not been expressly agreed by us prior to the sale of our products.

 **CROUZET**
MOTORS

A BRAND OF
INNOVISTA
SENSORS

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ABOUT CROUZET MOTORS

All around the world for more than 50 years, Crouzet Motors has been providing engineering expertise, high quality support and a complete offer of standard and customized direct drive and geared motors for all applications where performance is the key issue

Crouzet Motors is a brand of **InnoVista Sensors™**.

With a long-term commitment to technological excellence, the engineering teams have mastered the following core technologies and know-how:

- › Electromagnetism
- › Thermal dynamics
- › Electromechanical systems
- › Electronic drives

Covering the power range 1 to 400 watts (1/100 to 1/2 hp+) and available with spur, worm and planetary gearboxes plus adapted controllers, the Crouzet Motors' product offering is specifically designed for Medical Equipment, Railways, Aeronautics, Industry, Pumps and Valves.

INNOVISTA SENSORS

InnoVista Sensors™: your trusted partner of choice to face industrial challenges of today and tomorrow.

InnoVista Sensors™ is a worldwide industrial specialist of sensors, controllers and actuators for automated systems.

Through its brands, Crouzet Aerospace, Crouzet Automation, Crouzet Control, Crouzet Motors, Crouzet Switches and Systron Donner Inertial, InnoVista Sensors™ offers a wide range of reliable, efficient and customizable components dedicated to the Aerospace & Defense, Transportation and Industrial market and segments.

Thanks to the recognized expertise of its teams and a strong innovation policy, InnoVista Sensors™ brings performance enhancing solutions to its customers worldwide.

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Designs & Manufactures



Sensors



Controls



Actuators

For



Aerospace & Defense



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With commercial brands



CROUZET AEROSPACE



CROUZET AUTOMATION



CROUZET CONTROL



CROUZET MOTORS



CROUZET SWITCHES



SYSTRON DONNER INERTIAL

MOTORS, GEARBOXES AND CONTROL ELECTRONICS

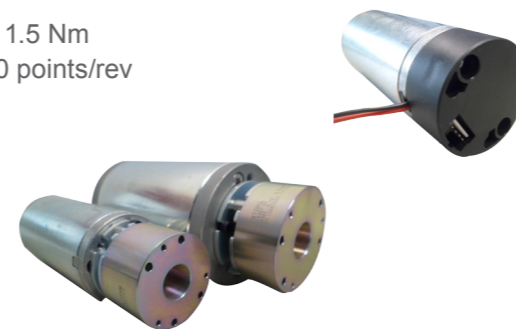
Series	MOTORS											
	Industrial Brush			DCmind Brush		DCmind Brushless			Stepper	Synchronous		
	82840 82860	82800 10 50	82830 82890	89800 10 50	89830 89890	80140	80180	80280	82910 20 30 40	82510 20 30 40	82340 82330	
Characteristics												
Nominal power (W)	0.9/3	9 → 33	30 → 95	15 → 35	55/104	66	110	170	0.5 → 5	0.3 → 3	0.2/0.4	
Voltage	12/24 V~	12 → 48 V~	12 → 48 V~	12 → 110 V~	12 → 110 V~	9 → 56 V~	9 → 56 V~	9 → 56 V~	3 → 64 V~	24 → 240 V~ 50 → 60 Hz	24 → 240 V~ 50 → 60 Hz	
Diameter (mm)	32	42	63	42	63	57	57	57	35/51 57/65	35/51 57/65	47	
Nominal speed (rpm)	3700	3000	3000	3000	3000	3000	3000	3000	0 - 1500	250 - 600	600/720	
Nominal torque (mNm)	2.2/7.7	41 → 100	170/270	50 → 110	180/290	125	225	550	15 → 300	10 → 110	2.5 → 8	
Noise level (dbA)	55	55	55	35	35	45	45	45	35	30	45	
Service life (hrs)	2000	3000	5000	4000	5000	20,000	20,000	20,000	20,000	20,000	10 M on/off	
Certification	C RU US CE RoHS			C RU US CE RoHS		CE RoHS			C RU US CE RoHS			
Gearboxes												
Connection												
Standard												
Options												

- EMC filter
- Interchangeable brushes
- Ball bearing
- Worm
- Planetary
- Parallel shaft
- Silent
- Connector
- Cable
- Lead
- Terminal

ACCESSORIES & OPTIONS

All our motor ranges can be accompanied by factory-mounted encoders and mechanical brakes:

- › Brakes from 0.25 Nm to 1.5 Nm
- › Encoders from 1 to 4000 points/rev
- › Special connectors
- › Special output shaft
- › IP65 or IP67



ADAPTED PRODUCTS

To meet your expectations, Crouzet Motors offers you custom products matching your requirements, in the following areas:

- › Control electronics
- › Motor characteristics
- › Gearboxes
- › IP69K, etc.



CONTROL ELECTRONICS

Series	Integrated			External	
	TNi21	SMI21	Motomate	BDE 30	BDE 40

Characteristics					
Speed-torque					
Position (c/t)		4096	12		
Programming					
Voltage (V)	10 → 36	9 → 56	18 → 36	18 → 36	10 → 36
Maximum current (A)	17	17	6	10	14
Options	CANopen				
Adaptations	Programs: Custom firmware as per customer specifications				

- Choice of programs
- To be programmed
- Rejected energy-absorbing

GEARBOXES

Parallel shafts	Planetary	Worm
10 models	6 models	2 models

Characteristics			
Torque (Nm)	0.5 → 6	4 → 120	2 → 20
Power (W)	1 → 50	10 → 300	10 → 300
Service life (Mt*)	1 → 10	50	50
Ratios	4 → 2500	4 → 308	5 → 100
Options	Shafts: stainless steel, pulleys, pinions, special bearings etc.		

* Million revolutions