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Technical Data Sheet

Commutator motors FEM 4070

More than just pumps



Advantages/characteristics:

- Awarded with the iF Design Award
- Low noise level
- Compact design
- Safe one-hand operation with ergonomic handle
- Low weight
- With infinitely speed adjustment
- Optimal overload protection in all speed ranges

Technical data/type	FEM 4070
Motor type	Single phase universal motor
Housing, material	Polyamide
Venting	Ventilated
Motor protection	Power and temperature monitoring
Low-voltage protection	Optional
Speed setting, stepless	Yes
Power supply cable (100 - 240 V)	H 05 RN-F 2X 0.75
Standard cable length[1)]	16 ft (5 m)
Standard plug[2)]	CEE 7/17
Weight	5.7 lbs (2.6 kg)

Certificates	
Operation category as per EN 60034-1 (VDE 0530)	S1 (continuous operation)
Protection class as per DIN EN 60 529	IP 24
Operating range	
Operating temperature	-4 -104°F (-20 -40°C)

1) Other cable lengths available on request 2) Other plugs available on requeste

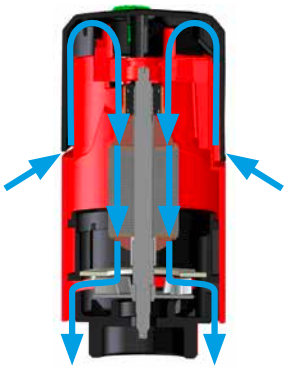
1) The 230 V version can also be operated with 60 Hz.
The speed is reduced by approx. 10 - 15 % (with the same input power). Power consumption increases by 4 - 5 %.

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Nominal data for FEM 4070, output 500 Watt							
Nominal voltage (V)[1]	240	230		120	110	100	
Nominal frequency (Hz)	50	50	50 - 60	60	50	50	60
Nominal output (W)	500					450	
Nominal speed (R/min)	10,000	8,500				8,000	
Nominal current (A)	2.5	2.6	2.6	5.2	5.3	5.8	
Protection class	II	II	II	II	II	II	

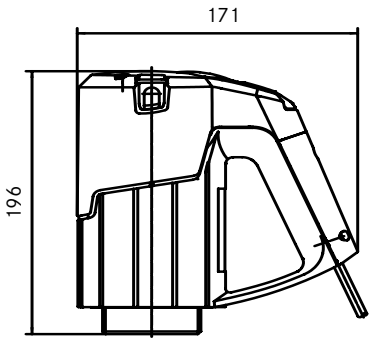
Design:



FEM 4070 ventilated.
The cooling air flows through the chamber of the interior of the motor.

The arrows show the direction of the cooling air through the chambers of the double housing.

Dimensions [mm]:



Part numbers:

Voltage (Volt)	Frequency (Hz)	Output (Watt)	Cable length	Plug CEE 7/7	Part no.	
Motor FEM 4070, with speed setting					Low-voltage protection	
					with	without
240	50	500	16 ft (5 m)	CEE 7/17	407 01 008	407 01 009
			16 ft (5 m)	-	407 01 010	407 01 011
230	50		16 ft (5 m)	CEE 7/17	407 01 000	407 01 001
			16 ft (5 m)	-	407 01 004	407 01 005
	50-60		16 ft (5 m)	CEE 7/17	407 01 023	407 01 025
120	60		16 ft (5 m)	NEMA 1-15P	407 01 012[1]	407 01 013[1]
			16 ft (5 m)	NEMA 1-15P	407 01 014	407 01 015
110	50		16 ft (5 m)	CEE 7/17	407 01 016	407 01 017
			16 ft (5 m)	-	407 01 018	407 01 019
100	50-60	450	16 ft (5 m)	JIS C8303	407 01 020[2]	407 01 021[2]

1) Version for the USA in protection class COF ENC 2 2) Version for Japan

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FLUX PUMPS CORPORATION
300 Townpark Drive, Suite 110
Kennesaw, GA 30144, USA
Phone 800-367-3589
info@fluxpumpsusa.com
www.fluxpumpsusa.com