

FIME[®]
your secret allies

A woman with long dark hair, wearing a white sleeveless top and white pants, is sitting cross-legged on a bed. She is smiling and looking upwards, with her hands raised as if playing with something. Numerous red feathers are falling all around her, some in her hair and some on the bed. The background is a bright, slightly overexposed room with white curtains. The overall mood is joyful and serene.

FIME[®]

your secret allies

Fime works in order to improve the quality of our everyday living standard. We all live surrounded by home appliances and we require from them no special technological performance but only a nice comfortable feeling of cooperation and support. Fime offers a technology with a warm and delicate approach, helping in everyday energy consumption saving and devoted to produce silent and efficient appliances. Shortly, Fime motors are your secret allies at home.

COMPANY PROFILE

Elica Group motors business unit, originates from FIME, a company founded in 1974, as electric motors designer and manufacturer. FIME has always been characterized by its vertical structure which allows to create and control internally all production phases starting from raw materials. Over the years the company has expanded its market presence to become a reference both in the domestic ventilation field (fans for hoods) as well as heating field (fans for boilers). Strong of its thirty years long experience in ventilation and heating, Elica Group Company is today, under FIME Brand, leader on both markets. Due to the spirit of complete harmony and cooperation that has always characterized relations with large industrial groups, Elica Group could develop a strong Know-how not only in the electromechanical motor design, but also in fluid dynamic and electronic design that allow us today to offer to the market integrated systems and air treatment devices. Design, is also carried out and monitored internally in the same way of production. Our technical dept. is equipped with the most modern tools for calculation and simulation in fluid dynamic, electromagnetism, integrated systems and, last but not least, mechanical structure. Besides the virtual instruments the technical dept. is equipped with tools to support and validate projects as well as products. Aligned with the Elica Group industrial policy, the motor business has a production philosophy respectful of people and environmental welfare.



Castelfidardo plant - Italy



Wroclaw plant - Poland

Innovation and technology

Nowadays the achieved technical know-how has allowed Elica to enter the commercial refrigeration business, where technologically advanced and energy saving products are required.

MOTOR ADVANTAGES

"Meeting the great challenges of today requires experience and ability. Specific research focused on the development of highly innovative technology, allowed Elica, under FIME brand, to enter in the refrigeration business, creating a new range of products combining high efficiency, adaptability and reduced dimensions."

- High efficiency
- Easy replacement of traditional shaded pole motors
- Electronic control integrated in the motor
- The motor electronic board runs protection systems due to faulty motor behaviour
- Wide RPM range
- Rotation speed not affected by net power supply fluctuations
- High protection grade
- High temperature working range (-40°C / +50°C)

FEATURES

Internal rotor Brushless DC motor

HOUSING
die-casted aluminium

MOUNTING POSITION
horizontal/vertical

ROTATION
CCW (shaft side)

INSULATION CLASS
class 130 according to EN60335

MOTOR PROTECTION
electronically protected

OPERATING TEMPERATURE RANGE
-40°C / +50°C

PROTECTION DEGREE
IP56 (only with horizontal shaft)
IP55 (any shaft position)
according to EN 60529

OPTIONS

Speed, control, impeller, power cable length and type of connection on request.

B 12



B 24



FEATURES

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HOUSING
die-casted aluminium

MOUNTING POSITION
horizontal/vertical

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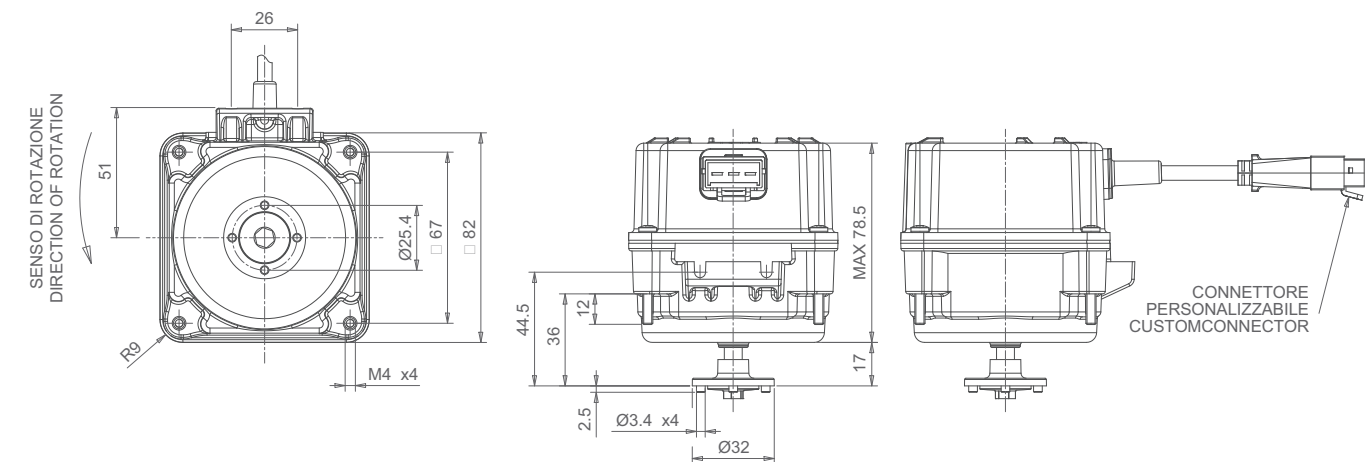
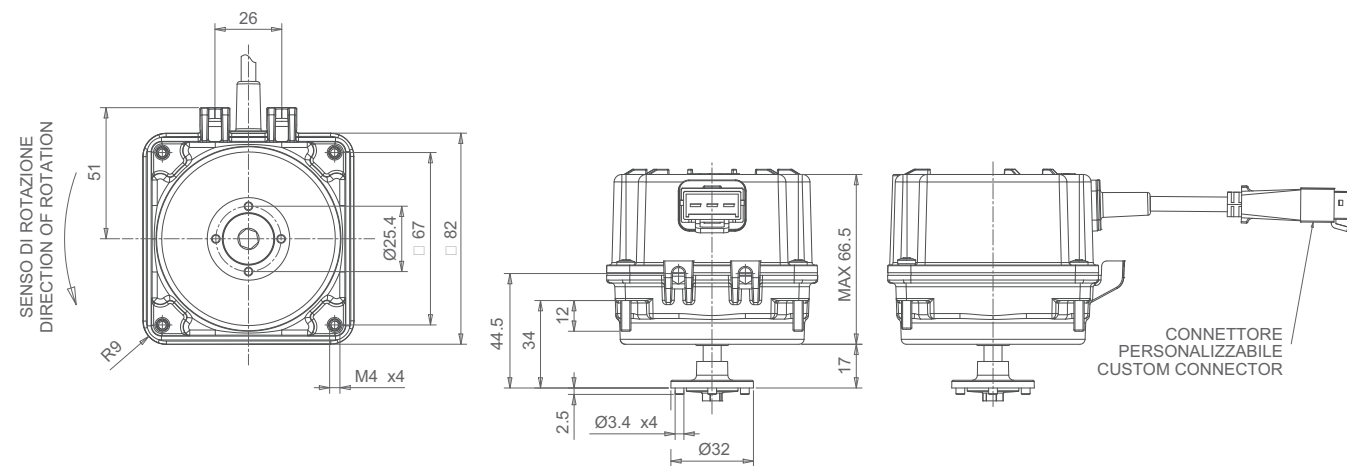
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OPERATING TEMPERATURE RANGE
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TYPE	RATED VOLTAGE	FREQUENCY	IMPELLER FEATURE		INPUT POWER	NOMINAL SPEED
			DIAMETER	PITCH		
B1200300 (MOT0006796)	230 V ± 15%	50/60	200	22°	6	1350
	230 V ± 15%	50/60	200	28°	10	
	230 V ± 15%	50/60	200	34°	13	
	230 V ± 15%	50/60	230	22°	12	1350
	230 V ± 15%	50/60	230	28°	19	
	230 V ± 15%	50/60	230	34°	25	
	230 V ± 15%	50/60	254	22°	22	

TYPE	RATED VOLTAGE	FREQUENCY	IMPELLER FEATURE		INPUT POWER	NOMINAL SPEED
			DIAMETER	PITCH		
B1200400 (MOT0006797)	230 V ± 15%	50/60	200	22°	18	2400
	230 V ± 15%	50/60	200	28°	40	
	230 V ± 15%	50/60	200	34°	54	
B1200500 (MOT0014729)	230 V ± 15%	50/60	200	22°	16	2150
	230 V ± 15%	50/60	200	28°	28	
	230 V ± 15%	50/60	200	34°	38	

TYPE	RATED VOLTAGE	FREQUENCY	IMPELLER FEATURE		INPUT POWER	NOMINAL SPEED
			DIAMETER	PITCH		
B2400100 (MOT0018921)	230 V ± 15%	50/60	230	22°	10	1250
	230 V ± 15%	50/60	230	28°	14	
	230 V ± 15%	50/60	230	34°	17	
	230 V ± 15%	50/60	254	22°	13	1250
	230 V ± 15%	50/60	254	28°	25	
	230 V ± 15%	50/60	254	34°	29	

TYPE	RATED VOLTAGE	FREQUENCY	IMPELLER FEATURE		INPUT POWER	NOMINAL SPEED
			DIAMETER	PITCH		
B2400100 (MOT0018921)	230 V ± 15%	50/60	300	19°	24	1250
	230 V ± 15%	50/60	300	22°	26	
	230 V ± 15%	50/60	300	28°	44	

FEATURES

Axial fan motor

MOTOR

External rotor Brushless DC motor

FAN TYPE

5 Blades (steel)

MOUNTING POSITION

orizantal/vertical

DIRECTION OF AIR FLOW

suction

ROTATION

CW (shaft side)

INSULATION CLASS

class 130 according to EN60335

MOTOR PROTECTION

electronically protected

OPERATING TEMPERATURE RANGE

-40°C / +50°C

PROTECTION DEGREE

44 according to EN 60529

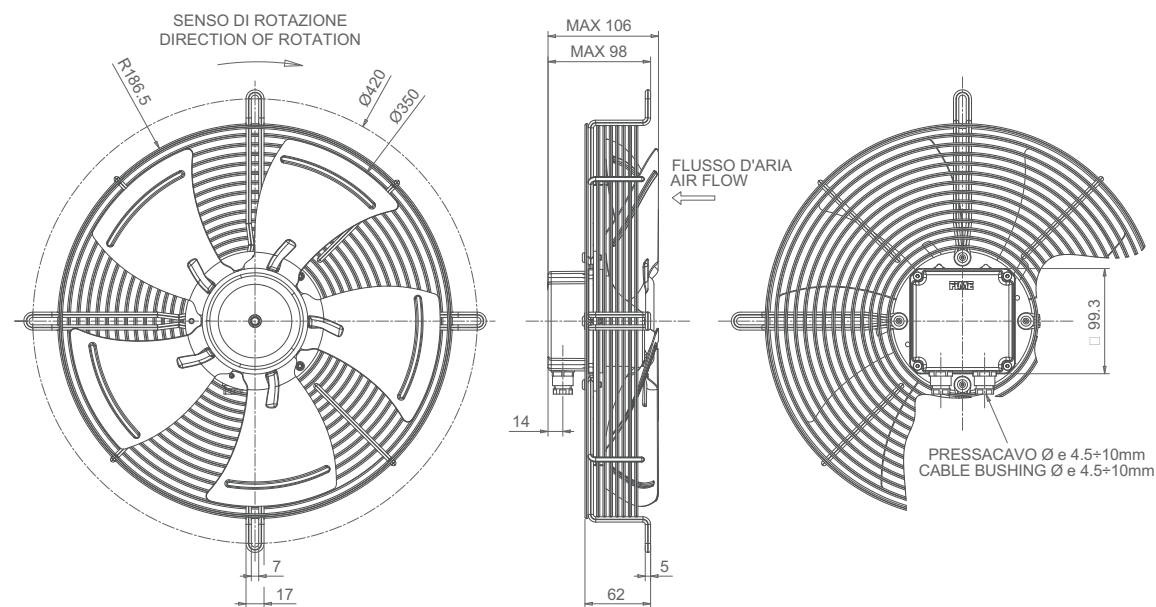
GRID

protection grid attached to the die-cast housing

OPTIONS

Customizable speed.

ECF



TYPE	RATED VOLTAGE	FREQUENCY	IMPELLER FEATURE			INPUT POWER	NOMINAL SPEED
			DIAMETER	STAG-	GER ANGLE		
ECF00601 (ECF0015270)	230 V ± 15%	50/60	350		66	100	1475
ECF00800 (ECF0019597)	230 V ± 15%	50/60	350		66	23	900

CONCEPT:
Studio Ideazione, Castelfidardo

PHOTO:
Studio Tanoni, Recanati

PHOTOLITHOGRAPHER:
Teknocolor, Recanati

PRINT:
Flamini, Osimo

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