

# FIMET MOTORI & RIDUTTORI S.p.A.

## MOTORIDUTTORE ASINCRONO TRIFASE THREE-PHASE INDUCTION GEAR MOTOR

### GENERAL DATA

Quantity		
Customer		
Manufacturer	FIMET	
<b>GearMotor type</b>	<b>M 050 FC 26,0 3MA80C4</b>	
Amb. Temp.	-15 + 40	°C
Altitude	< 1000	m
Installation	-	
Standards, Codes	IEC34 ; IEC72	

### ELECTRICAL CHARACT.

Poles Number	4
Phases Number	3
Shaft center height [mm.]	-
<b>Rated input voltage [V]</b>	<b>400 / 230</b>
<b>Rated output power [kW]</b>	<b>0,55</b>
<b>Frequency [Hz]</b>	<b>50</b>
<b>Rated speed [rpm]</b>	<b>53</b>
Rated Current [Amps]	1,5 / 2,6
<b>Rated Torque [Nm]</b>	<b>69,5 (at low shaft)</b>
Over Load Torque [%]	IEC
Efficiency [%]	71
Load operating	4/4
Power Factor [cosphi]	0,74
Load operating	4/4
Rating - duty (continuous)	S1
Starting frequency	-
Thermal Class	Class F
Temperature rise from net-work 3xPh-50Hz	Class B
Is / In	5,2
starting current / rated current	
Ma / Mn	2,3
Starting torque / rated torque	
Mmax / Mn	2,3
Breakdown torque / rated torque	
Starting Method	-
Connection	Y / D
Motor Vibrations Class (Half key balanced)	A

### Electrical External Brake

Brake size	n.a.
Supply Voltage [Vac]	n.a.
Rectifier Bridge	n.a.
Braking Torque [Nm.]	n.a.
Coil Voltage [VDC]	n.a.
Absorbed Power [w]	n.a.
Absorb. Continous Current [A]	n.a.

### MECHANIC. CHARACT.

Rotor inertia J [kgm2]	0,0018
Additional mass moment of inertia	-
Weight [kg]	13
Eyebolts	-
Earthing terminals	yes
Terminal box rotation	90°
N° of Terminals	6
Cable gland Entries	2
Cable gland	M25 x 1,5
Type of construction	TEFC
Protection Degree Enclosure	IP55
Prot. Degree Term. Boxe	IP55
<b>Cooling Method</b>	<b>IC411</b>
<b>IM</b>	<b>B3</b>
Motor Frame Material	Alluminium
motor Shields	Alluminium
Gear Frame/shield Material	Alluminium
Gear Hollow Shaft / tolerance range	φ25 h7 mm
Paint finish	RAL 6011
Painting Thikness	> 80 μm
Protecting treatments Humide Climate	-
Direction of rotation	both

**Gear Reduction ratio** *i* = 26  
**service factor** 1,0

### AUXILIARY EQUIP.

Stator Winding Probes (connected in serie in aux terminal box)	n.a.
Auxiliary Terminal Box	n.a.
Insulated Bearing	n.a.
Bearing Probes	n.a.
Anti-condensation Heater (single phase) (connected in main terminal box)	n.a.
Second rating plate	n.a.
Protective cover (for IMV5; IMV1) sensor position (Encoder)	n.a.

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