

FIMET MOTORI & RIDUTTORI S.p.A.

MOTORE ASINCRONO TRIFASE THREE-PHASE INDUCTION MOTOR

GENERAL DATA

Quantity	1	
Customer	R.E.M. S.r.l.	
Manufacturer	FIMET	
Motor type	HVM 355M 4	
Amb. Temp.	-15 +40	°C
Altitude	< 1000	m
Standards, Codes	IEC34 ; IEC72	

MECHANIC. CHARACT.

Rotor inertia J [kgm ²]	4,9
Weight [kg]	2130
Main terminal box (VIEWED ON D.E.)	top
Terminal box rotation	90°
N° of Terminals	3
Cable gland	yes
Ground terminal	yes

ELECTRICAL CHARACT.

Poles Number	4
Rated input voltage [V]	3000
Rated output power [kW]	250
Frequency [Hz]	50
Rated speed [rpm]	1485
Rated Current [Amps]	58
Rated Torque [Nm]	1608
Over Load Torque [%]	IEC
Efficiency [%]	96,2
Load operating	4/4
Power Factor [cosφ]	0,86
Load operating	4/4
Rating - duty (continuous)	S1
Thermal Class	F
Temperature rise	B
Is / In [%]	520
starting current / rated current	
Ma / Mn [%]	80
Starting torque / rated torque	
Mmax / Mn [%]	210
Breakdown torque / rated torque	
Connection	Y
LpA [dB(A)] + tollerance (average sound pressure level)	80

Protection Degree Enclosure	IP55
Cooling Method	IC 411
IM	1001 (B3)
Frame Material	cast iron
Shaft extension / tolerance range	φ 110 m6 x 210
Paint finish	RAL 6011
Protecting treatments Humide Climate	n.a.
Painting Thickness	> 80 mm
Direction of rotation	both
Bearing D-end Type	6321 C3
Bearing N-end Type	6321 C3
Estimated Bearing Life-Time	40.000
Grease	UNIREX N3

AUXILIARY EQUIP.

Auxiliary Terminal Box	n.a.
Stator Winding Probes	3 PTC
Bearing Probes	n.a.
Anti-condensation Heater (single phase)	n.a.
(connected in main terminal box)	n.a.

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