

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data:

1LE1023-0EA09-0JB4

M2F

Motor type:

1AV3090A

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

U	$\Delta$ / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			$I_A/I_N$	$M_A/M_N$	$M_K/M_N$	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
460	$\Delta$	60	1.50	2.0	2.60	3525	4.1	85.5	85.0	82.5	0.84	0.78	0.66	9.8	3.1	4.9	NPE
IM B35 / IM 2001			FS 90 S		15 kg	IP55		IEC/EN 60034		IEC, EN, NEMA MG1-12-12, UL, CSA							

Mechanical data			Terminal box	
Sound pressure level 50 Hz/60Hz (load)	65 db(A)	69 db(A)	Terminal box position	top
Moment of inertia	0.0021 kg m²		Material of terminal box	Aluminium
Bearing DE   NDE	6205 2ZC3	6004 2ZC3	Type of terminal box	TB1 E10
Bearing lifetime	40000 h		Contact screw thread	M4
Lubricants	Esso Unirex N3		Max. cross-sectional area	1.5 mm²
Regreasing device	No		Cable diameter from ... to ...	9.0 mm - 17.0 mm
Grease nipple	- / -		Cable entry	1xM25x1,5-1xM16x1,5
Type of bearing	Preloaded bearing NDE		Cable gland	2 plugs
Condensate drainage holes	No		<div>Special design</div> <div>M2F460 VD for 60 Hz, 50-Hz power</div>	
External earthing terminal	No			
Vibration class	A			
Insulation	155(F) to 130(B)			
Duty type	S1			
Direction of rotation	bidirectional			
Frame material	aluminum			
Data of anti condensation heating	-/-			
Coating	Special paint finish			
Color	RAL7030			
Motor protection	(B) 1 PTC thermistor - for tripping			
Method of cooling	IC411 - self ventilated, surface cooled			

Environmental conditions	
Ambient temperature	-20 °C - +40 °C
Altitude above sea level	1000 m

Explosion protection	
Type of protection	- / -