



MLFB-Ordering data: **1LE1001-0EB42-7FA4-Z**
B02+F74+R12+R15

Motor type: **1AV2094B**

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U [V]	Δ/Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%]			Power factor at ... load			I_A/I_N 1/1 _N	M_A/M_N T _f /T _N	M_k/M_N T _B /T _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
500	Y	50	1.50	- / -	2.65	1435	10.0	82.8	83.5	82.2	0.79	0.71	0.58	6.4	2.6	3.4	IE2
575	Y	60	1.75	- / -	2.65	1730	9.7	84.0	85.0	84.0	0.79	0.73	0.61	6.7	2.5	3.4	IE2
575	Y	60	1.50	- / -	2.40	1745	8.2	84.0	84.0	81.9	0.75	0.67	0.54	7.5	2.9	4.0	IE2
IM B5 / IM 3001		FS 90 L		16 kg		IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data			Terminal box											
Sound pressure level 50Hz/60Hz (load)	56 dB(A) ¹⁾	58 dB(A) ¹⁾	Terminal box position	top										
Moment of inertia	0.0036 kg m ²		Material of terminal box	Aluminium										
Bearing DE NDE	6205 2Z C3	6004 2Z C3	Type of terminal box	TB1 E00										
Bearing lifetime	40000 h		Contact screw thread	M4										
Lubricants	Unirex N3		Max. cross-sectional area	1.5 mm ²										
Regreasing device	No		Cable diameter from ... to ...	9.0 mm - 17.0 mm										
Grease nipple	- / -		Cable entry	1xM25x1,5										
Type of bearing	Preloaded bearing DE		Cable gland	1 gland										
Condensate drainage holes	No		<table border="1"> <thead> <tr> <th colspan="2">Special design (4)</th> </tr> </thead> <tbody> <tr> <td>B02</td> <td>Acceptance test certificate 3.1 acc. to EN 10204</td> </tr> <tr> <td>F74</td> <td>Sheet steel fan cowl</td> </tr> <tr> <td>R12</td> <td>Terminal box rotated through 180°</td> </tr> <tr> <td>R15</td> <td>One metal cable gland</td> </tr> </tbody> </table>		Special design (4)		B02	Acceptance test certificate 3.1 acc. to EN 10204	F74	Sheet steel fan cowl	R12	Terminal box rotated through 180°	R15	One metal cable gland
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R12	Terminal box rotated through 180°													
R15	One metal cable gland													
External earthing terminal														
Vibration severity grade	A													
Insulation	155(F) to 130(B)													
Duty type	S1													
Direction of rotation	bidirectional													
Frame material	aluminum													
Data of anti condensation heating	-/-													
Coating (paint finish)	Standard paint finish C2													
Color, paint shade	RAL7030													
Motor protection	(A) without (Standard)													
Method of cooling	IC411 - self ventilated, surface cooled													

Environmental conditions

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

Notes

I_A/I_N = locked rotor current / current nominal M_k/M_N = break down torque / nominal torque
 M_A/M_N = locked rotor torque / torque nominal 1) Value is valid only for DOL operation with motor design IC411