

ELEKTRA-Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data: 1TZ9001...
L21+L25+M1Y

Motor type:

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 I _i /I _N	M _a /M _N T _i /T _N	M _k /M _N T _B /T _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
208	Δ	60	3.00	- / -	11.50	3520	8.1	87.5	87.3	85.7	0.83	0.76	0.64	8.1	2.6	3.8	IE2
IM B5 / IM 3001		FS 100 L		21 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

These values are calculated. The final rating plate data will be calculated when the order is placed
The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data			Terminal box									
Sound pressure level 50Hz/60Hz (load)	67 dB(A)	71 dB(A)	Terminal box position	top								
Moment of inertia	0.0044 kg m ²		Material of terminal box	Aluminium								
Bearing DE NDE	6306 2Z C3	6306 2Z C3	Type of terminal box	TB1 F00								
Bearing lifetime	40000 h		Contact screw thread	M4								
Lubricants	Esso Unirex N3		Max. cross-sectional area	4.0 mm ²								
Regreasing device	No		Cable diameter from ... to ...	11.0 mm - 21.0 mm								
Grease nipple	- / -		Cable entry	2xM32x1,5								
Type of bearing	Locating bearing NDE		Cable gland	2 plugs								
Condensate drainage holes	No		<table border="1"> <thead> <tr> <th colspan="2">Special design</th> </tr> </thead> <tbody> <tr> <td>L21</td> <td>Locating (fixed) bearing, NDE</td> </tr> <tr> <td>L25</td> <td>Double sides reinforced bearings for DE and NDE, Type 63</td> </tr> <tr> <td>M1Y</td> <td>Non-standard winding: 208VD_60Hz_3kW</td> </tr> </tbody> </table>		Special design		L21	Locating (fixed) bearing, NDE	L25	Double sides reinforced bearings for DE and NDE, Type 63	M1Y	Non-standard winding: 208VD_60Hz_3kW
Special design												
L21	Locating (fixed) bearing, NDE											
L25	Double sides reinforced bearings for DE and NDE, Type 63											
M1Y	Non-standard winding: 208VD_60Hz_3kW											
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	Standard paint finish C2											
Color	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