



MLFB-Ordering data: **1LE1003-1BB23-4JB4**

Motor type: **1AV3112B**

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			$I_A/I_N$   $I/I_N$	$M_A/M_N$   $T/T_N$	$M_k/M_N$   $T_B/T_N$	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	4.00	- / -	7.90	1460	26.0	88.6	89.2	88.6	0.82	0.76	0.65	7.1	2.4	3.7	IE3
690	Y	50	4.00	- / -	4.60	1460	26.0	88.6	89.2	88.6	0.82	0.76	0.65	7.1	2.4	3.7	IE3
460	Δ	60	4.55	- / -	7.70	1760	24.5	89.5	90.0	89.3	0.83	0.78	0.67	7.3	2.5	3.8	IE3
460	Δ	60		- / -	6.50	1770	20.0	89.5	89.4	87.7	0.80	0.73	0.61	8.2	2.9	4.3	IE3
IM B35 / IM 2001			FS 112 M		34 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	58 dB(A) <sup>1)</sup>	62 dB(A) <sup>1)</sup>	Terminal box position	top
Moment of inertia	0.017 kg m <sup>2</sup>		Material of terminal box	Aluminium
Bearing DE   NDE	6206 2Z C3	6206 2Z C3	Type of terminal box	TB1 F00
Bearing lifetime	40000 h		Contact screw thread	M4
Lubricants	Unirex N3		Max. cross-sectional area	4.0 mm <sup>2</sup>
Regreasing device	No		Cable diameter from ... to ...	11.0 mm - 21.0 mm
Grease nipple	- / -		Cable entry	2xM32x1,5-1xM16x1,5
Type of bearing	Preloaded bearing DE		Cable gland	3 plugs
Condensate drainage holes	No			
External earthing terminal				
Vibration severity grade	A		Special design (0)	
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	(B) 3 PTC thermistors - for tripping (2 terminals)			
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