



Type: 1TZ9 A 100L-2

Motor type: 1AV1104A

Customer :

Date :

Order no.:

Our order :

Remarks :

Item nr. :

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 <sub>A</sub> /I <sub>N</sub> I <sub>L</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub> T <sub>1</sub> /T <sub>N</sub>	M <sub>B</sub> /M <sub>N</sub> T <sub>B</sub> /T <sub>N</sub>	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	3.00	- / -	6.10	2835	10.0	81.5	83.2	82.7	0.87	0.82	0.73	6.4	3.2	3.5	IE1
690	Y	50	3.00	- / -	3.55	2835	10.0	81.5	83.2	82.7	0.87	0.82	0.73	6.4	3.2	3.5	IE1
460	Δ	60	3.45	- / -	5.80	3435	9.6	84.5	85.5	85.2	0.88	0.84	0.75	7.4	3.9	3.9	IE1
IM B5 / IM 3001			FS 100 L		20 kg	IP55	IEC/EN 60034		IEC, DIN, ISO, VDE, EN								

### Mechanical data

Sound pressure level 50Hz/60Hz (load)	67 dB(A) <sup>1)</sup>   71 dB(A) <sup>1)</sup>
Moment of inertia	0.0034 kg m <sup>2</sup>
Bearing DE   NDE	6206 2Z C3   6206 2Z C3
Bearing lifetime	40000 h
Lubricants	Esso Unirex N3
Regreasing device	No
Grease nipple	- / -
Type of bearing	Preloaded bearing DE
Condensate drainage holes	Yes
External earthing terminal	
Vibration severity grade	A
Insulation	155(F)
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

### Terminal box

Terminal box position	top
Material of terminal box	Aluminium
Type of terminal box	TB1 F00
Contact screw thread	M4
Max. cross-sectional area	4.0 mm <sup>2</sup>
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5
Cable gland	2 plugs

### Special design (0)

### Environmental conditions

Ambient temperature	-20 °C - +45 °C
Altitude above sea level	1000 m

### Notes

I<sub>A</sub>/I<sub>N</sub> = locked rotor current / current nominal    M<sub>B</sub>/M<sub>N</sub> = break down torque / nominal torque  
M<sub>A</sub>/M<sub>N</sub> = locked rotor torque / torque nominal    1) Value is valid only for DOL operation with motor design IC411