

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1001-1DB43-4AA4

Motor type: 1AV2164B

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U	Δ / 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
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _A /I _N	T _f /T _N	T _B /T _N	
400	Δ	50	15.00	- / -	28.00	1475	97.0	90.6	90.6	89.6	0.85	0.81	0.73	7.3	2.3	3.0	IE2
690	Y	50	15.00	- / -	16.30	1475	97.0	90.6	90.6	89.6	0.85	0.81	0.73	7.3	2.3	3.0	IE2
460	Δ	60	17.30	- / -	27.50	1775	93.0	92.4	92.4	91.4	0.86	0.83	0.75	7.7	2.3	2.9	IE2
460	Δ	60	15.00	- / -	24.50	1780	80.0	91.0	91.0	90.0	0.84	0.80	0.71	8.5	2.6	3.4	IE2
IM B3 / IM 1001		FS 160 L		83 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	65 db(A)	69 db(A)	Terminal box position	top
Moment of inertia	0.083 kg m²		Material of terminal box	Aluminium
Bearing DE NDE	6209 2ZC3	6209 2ZC3	Type of terminal box	TB1 J00
Bearing lifetime	40000 h		Contact screw thread	M5
Lubricants	Esso Unirex N3		Max. cross-sectional area	16.0 mm²
Regreasing device	No		Cable diameter from ... to ...	19.0 mm - 28.0 mm
Grease nipple	- / -		Cable entry	2xM40x1,5
Type of bearing	Locating bearing NDE		Cable gland	2 plugs
Condensate drainage holes	No		Environmental conditions	
External earthing terminal	No		Ambient temperature	-20 °C - +40 °C
Vibration class	A		Altitude above sea level	1000 m
Insulation	155(F) to 130(B)		Special design	
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			