

Data sheet for three-phase Squirrel-Cage-Motors

Datenblatt für Drehstrom-Käfigläufermotoren



Ordering data: 1LE1003-2AB53-4AA4

Bestelldaten:

Motor type: 1AV3205B

Client order no. / Kunden-Auftrags-Nr.:

Item no. / Item-Nr.:

Order no. / Siemens-Auftrags-Nr.:

Consignment no. / Komm.-Nr.:

Offer no. / Angebots-Nr.:

Project / Projekt:

Remarks / Bemerkung:

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	30.00	- / -	55.00	1470	195.0	93.6	94.3	94.4	0.84	0.80	0.71	7.3	2.6	3.1	IE3
690	Y	50	30.00	- / -	32.00	1470	195.0	93.6	94.3	94.4	0.84	0.80	0.71	7.3	2.6	3.1	IE3
460	Δ	60	34.50	- / -	55.00	1770	186.0	93.0	93.5	93.5	0.85	0.81	0.74	7.3	2.4	3.0	IE2
460	Δ	60	30.00	- / -	48.00	1775	161.0	94.1	94.3	93.8	0.83	0.78	0.68	8.1	3.0	3.5	IE3
IM B3 / IM 1001			FS 200 L		189 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data / <i>Mechanische Daten</i>		
Sound pressure level 50 Hz/60Hz (load) <i>Schalldruckpegel (L_{pfA}) 50 Hz/60Hz (Last)</i>	65 db(A)	67 db(A)
Moment of inertia <i>Trägheitsmoment</i>	0.22 kg m²	
Bearing DE NDE <i>Lager AS BS</i>	6212 ZC3	6212 ZC3
Bearing lifetime <i>Lagerlebensdauer</i>	40000 h	
Lubricants <i>Schmiermittel</i>	Esso Unirex N3	
Regreasing device <i>Nachschmiereinrichtung</i>	No <i>Nein</i>	
Grease nipple <i>Schmiernippel</i>	- / -	
Type of bearing <i>Art der Lagerung</i>	Locating bearing NDE <i>Festlager NDE (BS)</i>	
Condensate drainage holes <i>Kondenswasserlöcher</i>	No <i>Nein</i>	
External earthing terminal <i>Äußere Erdungsklemme</i>	No <i>Nein</i>	
Vibration class <i>Vibrationsklasse</i>	A	
Insulation <i>Isolation</i>	155(F) to 130(B) <i>155(F) nach 130(B)</i>	
Duty type <i>Betriebsart</i>	S1	
Direction of rotation <i>Drehrichtung</i>	bidirectional <i>bidirektional</i>	
Frame material <i>Gehäusematerial</i>	aluminum <i>Aluminium</i>	
Data of anti condensation heating <i>Daten Stillstandsheizung</i>	-/-	
Coating <i>Anstrich</i>	Standard paint finish C2 <i>Normalanstrich C2</i>	
Color <i>Farbe</i>	RAL7030	
Motor protection <i>Motorschutz</i>	(A) without (Standard) <i>(A) ohne (Standard)</i>	
Method of cooling <i>Kühlart</i>	IC411 - self ventilated, surface cooled <i>IC411 - Eigenbelüftet Oberflächengekühlt</i>	

Terminal box / <i>Anschlusskasten</i>	
Terminal box position <i>Klemmenkastenlage</i>	top <i>oben</i>
Material of terminal box <i>Klemmenkastenmaterial</i>	Aluminium <i>Aluminium</i>
Type of terminal box <i>Klemmenkastentyp</i>	TB1 L00
Contact screw thread <i>Gewinde Kontaktschraube</i>	M6
Max. cross-sectional area <i>Max. Leiterquerschnitt</i>	25.0 mm²
Cable diameter from ... to ... <i>Kabeldurchmesser von ... bis ...</i>	27.0 mm - 35.0 mm
Cable entry <i>Kabeleinführung</i>	2xM50x1,5
Cable gland <i>Kabelverschraubung</i>	2 plugs <i>2 Stopfen</i>

Environmental conditions / <i>Umgebungsbedingungen</i>	
Ambient temperature <i>Umgebungstemperatur</i>	-20 °C - +40 °C
Altitude above sea level <i>Höhe über Meeresspiegel</i>	1000 m

Special design / <i>Sonderausführung</i>	
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