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

Motor type : 1CV3133C **INNOMOTICS SD - 132 M - IM B3 - 6p**

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Safe Area

Electrical data **-/-**

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η 3) 4/4	η 3) 3/4	η 3) 2/4	cosφ 3) 4/4	cosφ 3) 3/4	cosφ 3) 2/4	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
DOL duty (S1) - 155(F) to 130(B)																	
415	Δ	50	5.50	-/-	12.10	975	54.0	88.0	88.3	87.2	0.72	0.64	0.51	6.8	2.7	3.4	IE3
480	Δ	60	6.30	-/-	11.60	1175	51.0	89.5	89.7	88.6	0.73	0.66	0.53	7.1	2.3	3.5	IE2
480	Δ	60	5.50	7.50	10.70	1180	44.5	91.0	90.8	89.2	0.69	0.61	0.48	7.8	3.0	4.0	MG1

IM B3 / IM 1001		FS 132 M	CC032A	IP55	UKCA	IEC/EN 60034	IEC, EN, UL, CSA, NEMA MG1-12-12	kVA Code: L	

Environmental conditions : -20 °C - +40 °C / 1000 m	Locked rotor time (hot / cold) : 19.9 s | 27 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	63 / 75 dB(A) 2) 3)	67 / 79 dB(A) 2) 3)	Vibration severity grade	A
Moment of inertia	0.0500 kg m²		Thermal class	F
Bearing DE | NDE	6208 2Z C3	6208 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L_{10mh} $F_{Rad\ min}$ for coupling operation 50|60Hz 1)	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	76 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H01	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

I_A/I_N = locked rotor current / current nominal
M_A/M_N = locked rotor torque / torque nominal
M_K/M_N = break down torque / nominal torque

1) L_{10mh} according to DIN ISO 281 10/2010
2) at rated power / at full load
3) Value is valid only for DOL operation with motor design IC411

Responsible department	Technical reference	Created by	Approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
IN LVM		SPC	Created automatically		

INNOMOTICS

Document type	Document status
Technical data sheet	Released
Document title	**Document number**
1LE1523-1CC33-5AB4-Z	TDS-241014-125056
B02+B61+F01+F11+F50+M11	

Restricted	Revision	Creation date	Language	Page
© Innomotics 2024	AA	2024-10-14	en	1/2

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	F11	Brake supply voltage, 230 V AC, 50/60 Hz
B61	Document order dimension drawing	F50	Mechanical manual brake release with lever (cannot be locked)
F01	Mounting of holding brake	M11	Stainless steel rating plate

Additional information:

Brake:

Description:	BFK458-16	Current:	0.27 A
Voltage:	AC 230 V	Moment of inertia:	0.001500 kgm²

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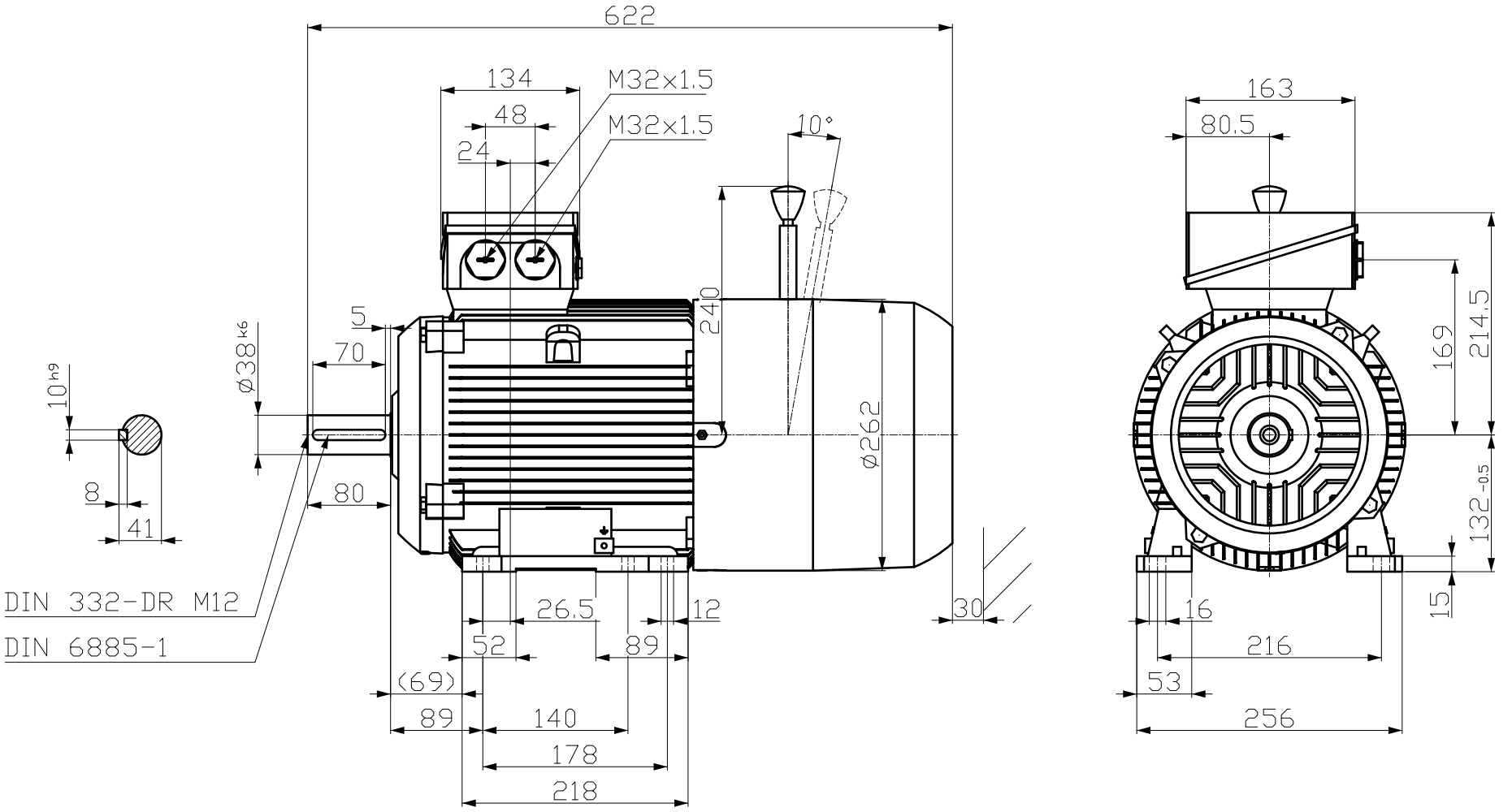
	AA	2024-10-14	en	2/2



Tolerance	Surface	Material	Weight	Scale
			-	mm
1LE1523-1CC33-5AB4-Z B02+B61+F01+F11+F50+M11	Author Creator 14/10/2024 SPC Approval Created automatically Department IN LVM Change Order	Dimensional drawing MaÇzeichnung	MLFB	Doc Type /
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