



**SIMOTICS SD - 315 M - IM B35 - 6p**

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

## Safe Area

-/-



U	$\Delta / Y$	f	P	P	I	n	M	$\eta^{3)}$			$\cos\phi^{3)}$			$I_A/I_N$	$M_A/M_N$	$M_K/M_N$	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	$I_A/I_N$	$T_I/T_N$	$T_B/T_N$	
DOL duty (S1) - 155(F) to 130(B)																	
400	$\Delta$	50	90.00	-/-	161.00	991	870.0	94.9	95.2	94.9	0.85	0.82	0.73	6.7	2.5	2.8	IE3
690	Y	50	90.00	-/-	93.00	991	870.0	94.9	95.2	94.9	0.85	0.82	0.73	6.7	2.5	2.8	IE3
IM B35 / IM 2001			FS 315 M		IP55		UKCA	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 37.6 s   56.1 s								

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 78 dB(A) <sup>2) 3)</sup>	64 / 79 dB(A) <sup>2) 3)</sup>	External earthing terminal	With (standard)
Moment of inertia	3.1000 kg m²		Vibration severity grade	A
Bearing DE   NDE	6319 C3	6319 C3	Thermal class	F
<b>bearing lifetime</b>			Duty type	S1
L <sub>10mh</sub> F <sub>Rad,min</sub> for coupling operation 50 60Hz <sup>1)</sup>	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE   NDE	40 g   40 g 6000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	890 kg
Regreasing device	With (standard)		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	150 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	38 mm - 45 mm
Type of terminal box	TB1 Q01	Cable entry	2xM63x1,5
Contact screw thread	M12	Cable gland	2 plugs

$I_{Lr}/I_{N_r}$ = locked rotor current / current nominal	1) $L_{10\text{min}}$ according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
$M_r/M_N$ = locked rotor torque / torque nominal	2) at rated power / at full load	
$M_b/M_N$ = break down torque / nominal torque		

Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		<a href="#">Link documents</a>	
	Document type Technical data sheet			Document status Released			
	Document title 1LE1503-3AC23-4JA4			Document number TDS-240428-034653			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-04-28	Language en	Page 1/1