



**SIMOTICS SD - 225 M - IM B35 - 6p**

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

## Safe Area

-/-



U	Δ / Y	f	P	P	I	n	M	η <sup>3)</sup>			cosφ <sup>3)</sup>			I <sub>A</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub>	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I <sub>I</sub> /I <sub>N</sub>	T <sub>I</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	30.00	-/-	56.00	982	290.0	92.9	93.6	93.5	0.83	0.79	0.70	6.6	2.6	3.0	IE3
690	Y	50	30.00	-/-	32.50	982	290.0	92.9	93.6	93.5	0.83	0.79	0.70	6.6	2.6	3.0	IE3
IM B35 / IM 2001			FS 225 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 30.6 s   48.7 s								

Sound level (SPL / SWL) at 50Hz 60Hz	64 / 77 dB(A) <sup>2) 3)</sup>	66 / 80 dB(A) <sup>2) 3)</sup>	Vibration severity grade	A
Moment of inertia	0.6700 kg m <sup>2</sup>		Thermal class	F
Bearing DE   NDE	6213 Z C3	6213 Z C3	Duty type	S1
<b>bearing lifetime</b> 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
Regreasing device	Without		Frame material	cast iron
Grease nipple	-/-		Net weight of the motor (IM B3)	325 kg
Type of bearing	Locating bearing NDE		Coating (paint finish)	Standard paint finish C2
Condensate drainage holes	With (standard)		Color, paint shade	RAL7030
External earthing terminal	With (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
			Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	35 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L01	Cable entry	2xM50x1,5-2xM20x1,5
Contact screw thread	M8	Cable gland	4 plugs

$I_R/I_N$ = locked rotor current / current nominal	1) $L_{10th}$ 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	
$M_R/M_{br}$ = break down torque / nominal torque		

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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>	
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