

SIMOTICS XP - 250 M - IM B3 - 2p

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

Remarks

II 2G Ex db eb IIC T4 Gb

Electrical data

-/-

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ 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 _I /I _N	T _I /T _N	T _B /T _N	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	55.00	-/-	95.00	2975	177.0	94.3	94.5	94.1	0.89	0.86	0.80	7.0	2.4	3.0	IE3
690	Y	50	55.00	-/-	55.00	2975	177.0	94.3	94.5	94.1	0.89	0.86	0.80	7.0	2.4	3.0	IE3
460	Δ	60	55.00	-/-	83.00	3580	147.0	93.6	93.4	92.4	0.89	0.86	0.79	8.0	2.8	3.3	IE3
IM B3 / IM 1001			FS 250 M			IP55		IEC/EN 60034									
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 29.2 s 49.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	75 / 89 dB(A) ^{2) 3)}	78 / 92 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.4540 kg m²		Duty type	S1
Bearing DE NDE	6315 C3	6315 C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L _{10mh} F _{Rad, min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Net weight of the motor	532 kg
Regreasing device	Without		Motor weight incl. options	532 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled
Vibration severity grade	A			

Terminal box

Terminal box position	top	Max. cross-sectional area	120 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 42 mm
Type of terminal box	TB1 N21	Cable entry	-/-
Contact screw thread	M10		

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

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