

SIMOTICS XP - 160 L - IM V6 - 4p

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

Remarks

Il 3G Ex ec IIC T3 Gc

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	13.80	-/-	26.50	1465	90.0	92.3	92.5	91.6	0.81	0.75	0.63	8.6	3.0	3.7	IE3
690	Y	50	13.80	-/-	15.40	1465	90.0	92.3	92.5	91.6	0.81	0.75	0.63	8.6	3.0	3.7	IE3
460	Δ	60	15.91	-/-	26.50	1765	86.1	92.4	92.4	91.7	0.82	0.77	0.66	8.6	2.9	3.6	IE2
460	Δ	60	15.00	-/-	25.00	1775	81.0	93.0	92.9	92.1	0.81	0.75	0.64	8.9	3.1	3.8	IE3
IM V6 / IM 1031			FS 160 L			IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +50 °C / 1.000 m

Locked rotor time (hot / cold) : 24.6 s | 33.3 s

These values are calculated. The final rating plate data will be calculated when the order is placed

The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	58 / 66 dB(A) ^{2) 3)}	66 / 74 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0890 kg m²		Thermal class	F
Bearing DE NDE	6209 2Z C3	6209 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{rad min} 50 60Hz ¹⁾ for coupling operation	20000 h	16000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	133 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	16 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	19 mm - 28 mm
Type of terminal box	TB1 J01	Cable entry	2xM40x1,5
Contact screw thread	M5		

Notes:

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 dep. IN LVM	technical reference	created by SPC	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
SIEMENS	document type datasheet			document status released			
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N06	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 50°C, power reduced
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N06

Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 50°C, power reduced

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