## Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

Client order no. Item-No. Offer no.	Motor type :1CV3282C SIMOTICS SD - 280 M - IM B3 - 6p																N.				
Safe Area       Safe Area       Safe Area       A     Safe Area       A     Colspan="2">Colspan="2"     Colspan="2"       A     Colspan="2"     Colspan="2"     Colspan="2"       A     Colspan="2"     Colspan="2"     Colspan="2"       A     Colspan="2"     Colspan="2"						1		· ·													
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Image: constraint of the	U	Δ/Y f P			Р	I	n	М		η <sup>3)</sup>			COSC	φ <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		
ind     ind </td <td>[V]</td> <td></td> <td>[Hz]</td> <td>[kW]</td> <td>[hp]</td> <td>[A]</td> <td>[1/min]</td> <td>[Nm]</td> <td>4/4</td> <td>3/4</td> <td>2/4</td> <td>4/4</td> <td>3/4</td> <td>4 2</td> <td>/4</td> <td><math>I_I/I_N</math></td> <td><math>T_{\rm I}/T_{\rm N}</math></td> <td>T<sub>B</sub>/T<sub>N</sub></td> <td></td>	[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	4 2	/4	$I_I/I_N$	$T_{\rm I}/T_{\rm N}$	T <sub>B</sub> /T <sub>N</sub>			
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Image: Section of the sectin of the section of th	400		50	55.00		99.00	988	530.0	94.1	94.5	94.4	-	0.8	31 0.	73	7.2	3.3	3.0	IE3		
Environmental conditions : -20*C - 140 °C / 1000 m         Locked rotation (model) (Cold) : 22 s 1 30.6 s           Mechanical data         Sound level (SPL / SVL) at S0H2(60Hz         60 / 74 dB(A) <sup>2/B</sup> 6 / 80 dB(A) <sup>2/B</sup> External earthing terminal         With (transford)           Moment of inertia         1.6400 kg m²         External earthing terminal         With (transford)         A           Barring DE   NDE         617 C3         637 C3         Thermal class         F           Barring DE   NDE         501 C3         637 C3         Thermal class         F           Barring DE   NDE         030 g 1 20 n         Pricetion of rotation         Biddination         Biddination interval quantity DE   30 g 1 20 n         Pricetion of rotation         Biddination interval quantity DE   30 g 1 20 n         Pricetion of rotation         Biddination interval quantity DE   30 g 1 20 n         Pricetion of rotation         Biddination interval quantity DE   30 g 1 20 n         Pricetion of rotation         Standard paint finish C2           Type of barring         Locating barring NDE         Motor protection         (A) without (Standard)         Colding (antin thale)         Standard paint finish C2           Terminal box         Cating clain transfer of the Motor Protection         (A) without (Standard)         Coldination in the Motor Protection         (A) without (Standard)           Terminal box         Catin C	690	Y	50	55.00	-/-	58.00	988	530.0	94.1	94.5	94.4	0.85	0.8	31 0.	73	7.2	3.3	3.0	IE3		
Environmental conditions : -20*C - 140 °C / 1000 m         Locked rotation (model) (Cold) : 22 s 1 30.6 s           Mechanical data         Sound level (SPL / SVL) at S0H2(60Hz         60 / 74 dB(A) <sup>2/B</sup> 6 / 80 dB(A) <sup>2/B</sup> External earthing terminal         With (transford)           Moment of inertia         1.6400 kg m²         External earthing terminal         With (transford)         A           Barring DE   NDE         617 C3         637 C3         Thermal class         F           Barring DE   NDE         501 C3         637 C3         Thermal class         F           Barring DE   NDE         030 g 1 20 n         Pricetion of rotation         Biddination         Biddination interval quantity DE   30 g 1 20 n         Pricetion of rotation         Biddination interval quantity DE   30 g 1 20 n         Pricetion of rotation         Biddination interval quantity DE   30 g 1 20 n         Pricetion of rotation         Biddination interval quantity DE   30 g 1 20 n         Pricetion of rotation         Standard paint finish C2           Type of barring         Locating barring NDE         Motor protection         (A) without (Standard)         Colding (antin thale)         Standard paint finish C2           Terminal box         Cating clain transfer of the Motor Protection         (A) without (Standard)         Coldination in the Motor Protection         (A) without (Standard)           Terminal box         Catin C		4 1001		55 200						1.60034											
Mechanical data         Sound level (SPL / SWL) at 50H2(60H2         60 / 74 dB(A) <sup>21,25</sup> 66 / 80 dB(A) <sup>21,25</sup> Extensile entring terminal         With (standard)           Manner of inertia         1.6400 kg m²         Vibration severity grade         A           Bearing IFC INDE         6317 C3         Thermal class         F           Dearing Upgener for coupling operation         40000 h         32000 h         Direction of rotation         biblifercional           Logge Fugues for coupling operation         40000 h         32000 h         Direction of rotation         biblifercional           Regressing device         With (standard)         Coating (paint finich)         Standard paint finich C2           Ubbrants         Unice N3         Net weight of the motor (M33)         Standard paint finich C2           Gressen inpile         MIX to IN 3494 A         Color, paint shade         RAL/0730           Type of berning         Locating bearing NDE         Motor protection         (A) without (Standard)           Condensate divinge holes         With (standard)         Cable diameter from to         34 mm - 45 mm           Type of terminal box         Casti for         Cable gland         2 plugs         2 plugs																					
Sound level (SPL (SWL) at 50Hz(GOHz         60 (7 4 dB(A) P.M         64 (8 dB(A) P.M)         External earthing terminal         With (standard)           Moment of inersia         1.6400 kg m²         Vieration sevenity grade         A           Bearing DE [NDE         6317 C3         6317 C3         Duty type         S           Duty type         01/2 Vype         Duty type         S         S           Bearing (Bezine Difference         0000 h         32000 h         Procession for	<u> </u>					-20 C-+	40 C / IC	JOU III			L	ocked ro		ine (not	. / Colu	):22	\$ 50.0	5			
Moment of inertial         1.6400 kg m <sup>3</sup> Vibration severity grade         A           Bearing (Retime Up, Figure 0° COUPING operation Neutricitation introval/quantity DE Neutricitation introval/quantity DE Neutrity DE Neutricitation introval/quantintrintricitation intr	Mecha	nical d	ata																		
Bearing DE [NDE         6317 (3)         6317 (3)         Thermal class         F           bearing Inferime         Duty type         S1         S1           biologing operation (or coupling operation (or	Sound	level (SF	PL / SWL)	at 50Hz 60	OHz 60	/ 74 dB(A) <sup>2</sup>	<sup>(3)</sup> 66 / 80 dB(A) <sup>2) 3)</sup> External earthing terminal					ninal	With (standard)								
beam         Duty type         S1           beam         Second private from coupling operation         40000 h         32000 h         Procession of notation         Biddression         Biddresion         Biddression <td< td=""><td>Momer</td><td>nt of ine</td><td>rtia</td><td></td><td></td><td>1.</td><td>6400 kg m²</td><td>2</td><td>Vibr</td><td>ation seve</td><td>erity gra</td><td>de</td><td>А</td><td></td><td></td></td<>	Momer	nt of ine	rtia			1.	6400 kg m²	2	Vibr	ation seve	erity gra	de	А								
base from or coupling operation     40000 h     32000 h     Birection of rotation     bidirectional       Regressing device     0000 h     300 g     Frame material     cast iron       Regressing device     With (tandard)     Couling (paint finish)     Standard paint finish C2       Gresse night     Mithout 10N 3004 A     Color, paint shade     Rational (table for paint finish)       Type of bearing     Locating bearing NDE     Motor protection     (A) without (Standard)       Condensate drainage holes     With (standard)     Met weight of the motor (IM 83)     Standard paint finish C2       Terminal box     Condensate drainage holes     With (standard)     Motor protection     (A) without (Standard)       Terminal box     Gast iron     Cable diameter from to     34 mm -45 mm       Type of terminal box     TB1 N01     Cable gland     2 plugs	Bearing	g DE   NI	DE			6317 C3		6317 C3	The	Thermal class						F					
Religination interval [quantity DE]         30 g 30 g 800 h         Frame material         casti ion           Lubricants         Univer N3         Net weight of the motor (IM 83)         560 kg           Regressing device         With (standard)         Coating (paint finish)         Regressing device		-							Dut	Duty type						S1					
NDE     Book     Book     Book     Book       Lubricants     Univex N3     Net weight of the motor (IM B3)     550 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)     Met of cooling     (C411 - self ventilated, surface cooled       Terminal box     Cast iron     Gable dimeter from to     34 mm - 45 mm       Terminal box     TB1 N01     Cable entret from to     34 mm - 45 mm       Tope of terminal box     TB1 N01     Cable gland     2 plugs								32000 h	Dire	Direction of rotation					bidirectional						
Regressing device     With (standard)     Coating (paint finish)     Standard paint finish C2       Gresse nipple     M10x1 DIN 3404 A     Color, paint shade     RL7030       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     top     Max. cross-sectional area     120 mm²       Material of terminal box     cast iron     Cable diameter from to     34 mm - 45 mm       Type of terminal box     TB1 N01     Cable entry     2xM63x1,5       Contract screw thread     M10     Cable gland     2 plugs		cation ii	nterval/q	uantity DE		З	0 g   30 g 8000 h		Fran	Frame material				cast iron							
Gresse nipple     M10x1 DIN 3404 A     Color, paint shade     RL/030       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       Terminal box     cast iron     Gable diameter from to     34 mm - 45 mm       Type of terminal box     TB1 N01     Cable entry     2xM65x1,5       Contact screw thread     M10     Cable gland     2 plugs	Lubrica	nts					Unirex N3		Net	Net weight of the motor (IM B3)					560 kg						
Type of barring         Locating bearing NDE         Motor protection         (A) without (Standard)           Condensate drainage holes         With (standard)         Method of cooling         IC411 - self ventilated, surface cooled           Terminal box         Terminal box         120 mm <sup>-1</sup> Material of terminal box         cast iron         Cable diameter from to         34 mm - 45 mm           Type of terminal box         TB1 N01         Cable of terminal box         2 xM63x1,5           Contact screw thread         M10         Cable gland         2 plugs	Regrea	sing dev	/ice			With	n (standard)		Coa	Coating (paint finish)				Standard paint finish C2							
Condensate drainage holes       With (standard)       Method of cooling       LC411 - self ventilated, surface cooled         Terminal box       top       Max. cross-sectional area       120 mm²         Material of terminal box       cast iron       Cable diameter from to       34 mm - 45 mm         Type of terminal box       TB1 N01       Cable entry       2 xM63x1,5         Contact screw thread       M10       Cable gland       2 plugs	Grease	nipple				M10	0x1 DIN 3404 A Color, pair				hade	de RAL7030									
Image: A strain of the stra	Type of bearing Loca						ng bearing	Mot	Motor protection				(A) without (Standard)								
Terminal box position       top       Max. cross-sectional area       120 mm <sup>3</sup> Material of terminal box       cast iron       Cable diameter from to       34 mm - 45 mm         Type of terminal box       TB1 N01       Cable entry       2xM63x1,5         Contact screw thread       M10       Cable gland       2 plugs         Iul, = locked rotor current / current nominal       1) Lue according to DN ISO 281 10/2010       3) Value is valid only for D0L operation with motor design K411         MAX, = locked rotor current / current nominal       2) at rater power / at full load       3) Value is valid only for D0L operation with motor design K411         MAX, = locked rotor torque / nominal roque       2) at rater power / at full load       3) Value is valid only for D0L operation with motor design K411         MAX, = brack down torque / nominal roque       2) at rater power / at full load       3) Value is valid only for D0L operation with motor design K411         Transmitult, 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.       Technical reference       Created by Created automatically       Technical reference       Link documents user         NLMM       Document type       Technical data sheet       Document numbe	Condensate drainage holes						th (standarc	1)	Met	Method of cooling				IC411 - self ventilated, surface cooled							
Material of terminal box       cast iron       Cable diameter from to       34 mm - 45 mm         Type of terminal box       M10       Cable entry       2xM63x1,5         Contact screw thread       M10       Cable gland       2 plugs	Termin	al box																			
Type of terminal box     TB1 N01     Cable entry     2xMG3x1,5       Contact screw thread     M10     Cable gland     2 plugs	Termin	al box p	osition				top		Max	Max. cross-sectional area				120 mm <sup>2</sup>							
Contact screw thread     M10     Cable gland     2 plugs       Lul_u- locked rotor current / current nominal (Lul_u- locked rotor current / current nominal 2) at rated power / at full load     3) Value is valid only for DOL operation with motor design IC411       Lul_u- locked rotor current / current nominal (Lul_u- locked rotor current / current nominal (2) at rated power / at full load     3) Value is valid only for DOL operation with motor design IC411       Lul_u- locked rotor current / current nominal (2) at rated power / at full load     3) Value is valid only for DOL operation with motor design IC411       Transmittal, reproduction, dissemination and/or design attent are reserved.     3) Value is valid only for DOL operation with motor design IC411       Transmittal, reproduction, dissemination and/or defining of this document as well as valitation 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 gran or registration of a utility model or design patent are reserved.     Technical data free more values.     Link documents wellers.       N LVM     Document type Technical data sheet     Released Document title 11E1503-2DC23-4AAA     Document tumber TDS-240426-075601     Link documents wellers.       Restricted     Decument title 11E1503-2DC23-4AAA     Decument tumber 105-240426-075601     Language Page	Material of terminal box						cast iron		Cab	Cable diameter from to				34 mm - 45 mm							
Influe-locked rotor current / current nominal Mu/Mu, = locked rotor current / current nominal Mu/Mu, = locked rotor rotor up / lorue nominal 2) at rated power / at full load       3) Value is valid only for DDL operation with motor design IC411         Transmittal, reproduction, dissemination and/or celling of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held lable 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 SPC       Created by SPC       Approved by Created automatically       Technical data are more may be disceptione calculated and rating platent values.       Link documents will be held lable for payment of disceptione calculated and rating platent values.         Technical atta sheet Technical data sheet       Document status Released       Document number TDS-240/26-075601       Link documents to calculated and rating platent values.         Restricted       Document number TDS-240/26-075601       Document number TDS-240/26-075601       Language Page	Type of terminal box						TB1 N01 Cable entry					2xN						√63x1,5			
Mi/Ming = locked rotor torque / nominal torque       2) at rated power / at full load         Mi/Ming = locked rotor torque / nominal torque       2) at rated power / at full load         Transmittal, reproduction, dissemination and/regression damages. All rights created by patent grant or registration of a utility model or design patent are reserved.       Technical reference       Created by SPC       Approved by Created automatically       Technical data are subject to changel There may be discrepancies between - clualade and rating plate values.       Link documents         SIEENEENS       Document type Technical data sheet       SPC       Document type Created automatically       Document stude and rating plate values.       Link documents         Restricted       Document type Technical data sheet       SPC       Document stude Created automatically       Document stude Released       Document stude Released       Link documents         Restricted       Restricted       Revision       Creation data       Revision       Creation date       Linguage       Page	Contact screw thread						M10 Cable gland									:	2 plugs				
Milding = locked rotor torque / nominal torque       2) at rated power / at full load         Milding = locked rotor torque / nominal torque       2) at rated power / at full load         Transmittal, reproduction, dissemination and/regression damages. All rights created by patent grant or registration of a utility model or design patent are reserved.       Technical reference       Created by SPC       Approved by Created automatically       Technical data are subject to changel There may be discrepartices between excluded and rating plote values.       Link documents         SIEENEENS       Document type Technical data are subject to the power / att is       Document type Technical data are subject to changel There may be SPC       Document total are reserved.       Link documents         Transmittal, reproduction, dissemination       Document type Technical data are subject to changel There may be SPC       Document total are are subject to changel There may be discrepartices between excluded and rating plote values.       Link documents         Transmittal, reproduction, dissemination       Document type Technical data sheet       Document type Technical data sheet       Document type Technical data sheet       Document type TDS-240-26-075601       Linguage       Page         Restricted       Revision       Creation date       Language       Page																					
Base on the part of th	$M_A/M_N = loc$ $M_K/M_N = bre$	cked rotor t eak down t	torque / torq orque / nom	ue nominal inal torque	2	) at rated power	/ at full load						-								
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