

Fig. [kW] [hp] [A] [1/min] [Nm] 4/4 3/4 2/4 4/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 3/4 2/4 4/4 2/4 4/4 4/4 2/4 4/4 2/4 2/4 4/4 2/4 4/4 2/4 4/4 2/4 4/4 2/4 4/4 2/4 4/4 2/4 4/4 4/4 2/4 4/4 4/4 2/4 4/4 4/4 4/4 4/4 4/4 4/4 4/4 4/4 4/4 4/4 4/4 4/4 4/	Data:	sheet	for t	hree-ph	ase Squi	irrel-Cag	je-Moto	ors SIMOT	TICS									•	
Consequence			1CV42	56B		1	'												
No.	Client order no.					lt	em-No.					Offe	r no.						
Part	Order no.					C	onsignment	no.				Proje	Project						
Property	Remarks					L													
Mode	Electric	cal data	a										e Area	l					
Name	U	Δ/Υ	f	Р	Р	I	n	М		η 3)			cosφ	3)	I _A /I _N	M _A /M _N	M _K /M _N	IE-CL	
Main	[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		
690				ı	I			1	1			I			I			1	
460									1			i	1		1			IE4	
A									1									IE4	
Mail									1			1			1			IE4	
Environmental conditions : -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold) : 32.5 \$ 70.3 \$,														
Sound level (SPL /SWL) at 50Hz)60Hz 65 / 79 dB(A) ***10** 66 / 80 dB(A) ***10** Vibration severity grade Grade A Bearing DF NDE 6214 2C3 6214 2C3 Thematics Search Sear	IM B5 / II	M3001		FS 250 M	1		IP55	UKCA	IEC/EN	60034		IEC, DIN, IS	SO, VDE,	EN					
Sound level (SPL/SWI) at 50Hz)60Hz 65 / 79 dR(A) ²³ 66 / 80 dR(A) ²³⁻¹⁰ (Vibration severity grade Grade A Seating DE NDE Seating DE NDE O214 ZC3 6214 ZC3 500 Duty type ST Description Duty type ST Desc			Enviror	nmental co	nditions :	-20 °C - +4	10 °C / 10	000 m			Lo	cked rote	or time	(hot / col	d):32.	5 s 70.	3 s		
Moment of inertia	Mecha	nical d	ata																
Bearing DE NDE OR OR OR OR OR OR OR O	Sound	level (SP	L / SWL)	at 50Hz 60	Hz 65 /	/ 79 dB(A) ²⁾	³⁾ 66 <i>i</i>	/ 80 dB(A) ^{2) 3)}	Exte	rnal earth	ning term	inal			(St	andard) Y	es		
Description Permits Description Permits Description Descrip	Momer	nt of ine	rtia			1.3	· ·				le								
bearing lifetime Long, Fagurin for coupling operation 40000 h 32000 h Frame material Cast iron Lubricants UNIREX N3 Net weight of the motor 593 kg Regreasing device						6214 ZC3													
Direction of rotation Direction Dir	I .T.,					x ₀ : 850	X _{0,5} : X _{max} : Duty type					S1							
Regreasing device	bearing	-										bidirectional							
Regreasing device	· ·					40000 h	32000 h Frame material					cast iron							
Grease nipple						L	UNIREX N3 Net weight of the motor				or	593 kg							
Type of bearing Locating bearing NDE Method of cooling IC411 - self ventilated, surface of Cable diameter from to 34 mm - 45 mm	Regreasing device						-l- Coating (paint finish)					Standard paint finish C2							
Condensate drainage holes (Standard) Yes Method of cooling IC411 - self ventilated, surface of Cardinal Box Terminal box Terminal box position box at the 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 TB4N01 Cable entry 2xM63x1,5 - 2xM20x1,5 Contact screw thread 6xM10 Cable gland -/- Transmitul, 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 payme damages, All rights created by patent grant or registration of a utility model or design patent are reserved. SIEMENS Technical data sheet Title Technical data sheet Title T	Grease nipple					-/- Color, pa				nt shade					RAL7030				
Terminal box position box at the 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 TB4N01 Cable entry 2xM63x1,5 - 2xM20x1,5 Contact screw thread 6xM10 Cable gland -/-	Type of bearing Loca				Locati	ting bearing NDE Motor protection					3 PTC thermistors - for tripping (2 terminals)								
Terminal box position box at the 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 TB4N01 Cable entry 2xM63x1,5 - 2xM20x1,5 Contact screw thread 6xM10 Cable gland -/- All- boked rotor current / current nominal MM, a contact screw thread 11 Linux according to DIN SO 281 102010 2) at rated power / at full load 2) at rated power / at full load 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal MM, a contact screw thread 2) at rated power / at full load 3) at rated power / at full load 4. All- boked rotor current / current nominal MM, a contact screw thread 2) at rated power / at full load 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal MM, a contact screw thread 3) at rated power / at full load 4. All- boked rotor current / current nominal MM, a contact screw thread 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal MM, a contact screw thread 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal mM, and a contact screw thread 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal mM, and a contact screw thread 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal mM, and a contact screw thread 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal mM, and a contact screw thread 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal mM, and a contact screw thread 3) value is valid only for DOL operation with motor design IC411 All- boked rotor current / current nominal mM, and a contact screw thread 3) value	Condensate drainage holes ((St	Standard) Yes Method of cooling						IC411	- self ve	ntilated, s	urface co	ooled			
Material of terminal box TB4N01 Cable entry ZxM63x1,5 - 2xM20x1,5 Contact screw thread 6xM10 Cable entry ZxM63x1,5 - 2xM20x1,5 Cable gland Julia- locked rotor current / current nominal MuMa, locked rotor torque (roque nominal MuMa, locked rotor torque) (roque nominal MuMa, locked rotor torque) (roque nominal toque) 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 payme 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 Created automatically Greated automatically Greated automatically values. Document status Released Title	Termin	al box																	
Type of terminal box TB4N01 Cable entry 2xM63x1,5 - 2xM20x1,5 Contact screw thread 6xM10 Cable gland -/- Lillia – locked rotor current / current nominal Mi,Ma,— locked rotor torque / nominal torque 1) Linea according to DINISO 281 10/2010 2) at rated power / at full load Mi,Ma,— locked rotor torque / nominal torque 3) Value is valid only for DOL operation with motor design IC411 Allia – locked rotor 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 payme 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 Created automatically Technical data are subject to change! There may be discrepancies between calculated and rating plate values. Technical data sheet Title Technical data sheet Title Tobs-240336-160945	Terminal box position				box	ox at the top Max. cross-sectional area				rea				120 mm ²					
Contact screw thread 6xM10 Cable gland -/-						cast iron Cable diameter from to				. to	34 mm - 45 mm								
L _i ll _{is} = locked rotor current / current nominal M _i /M _{is} = locked rotor current / current nominal M _i /M _{is} = locked rotor torque / torque nominal 2) at rated power / at full load 3) Value is valid only for DOL operation with motor design IC411 M _i /M _{is} = locked rotor torque / nominal torque nominal torqu	Type of terminal box					TB4N01 Cable entry					2xM63x1,5 - 2xM20x1,5								
M _N /M _{N₁} = locked rotor torque / torque nominal M ₂ /M _{N₁} = 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 payme 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 SPC Created automatically Technical data are subject to change! There may be discrepancies between calculated and rating plate values. Document status Released Title Technical data sheet Title Tobs-240326-160945	Contact screw thread						6xM10 Cable gland								-/-				
M _x /M _n = locked rotor torque / torque nominal M _x /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 payme 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 SPC Created automatically Technical data are subject to change! There may be discrepancies between calculated and rating plate values. Document status Released Title Tit	la/lu = locks	ed rotor cur	rrent / curre	ent nominal	11) Look according	to DIN ISO 281	10/2010			3) \	alue is valid	only for DO	Ol operation wi	ith motor d	esian IC411			
Responsible department IN LVM Technical reference Created by SPC Created automatically Technical data are subject to change! There may be discrepancies between calculated and rating plate values. Document type Technical data sheet Technical data sheet Title Titl	$M_A/M_N = loc$ $M_K/M_N = bre$ Transmittal	cked rotor to eak down to I, reproduct	orque / toro orque / nom ion, dissem	que nominal ninal torque nination and/or ec	2) diting of this doc	at rated power in a second pow	at full load utilization of it	ts contents and con	nmunication t	hereof to oth							e for payme	nt of	
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV4256B		SIMOTICS S	D - 250 M - IM B5 - 4p					
Special design		3111011103	D - 230 IVI - IIVI D3 - 4F					
	eating for 230 V (2 termin	nals)						
	,							
Additional information:								
Space heaters								
Technical data:								
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