Content   Cont	Motor	type :	1CV33	17B			IN	INOMOTICS	SD - 31	5 L - IM	B3 - 4p					A S			
Safe Area	Client order no.  Order no.					It						0	Offer no.						
Section   Sect						C						Pr	Project						
Part	Remarks					I							afe Are	·a					
No	Electri	cal dat	a											·u					
No		Δ/Υ									ı		· ·						
Mary	[V]		[Hz]	[kW]	[hp]	[A]						4/4	3/4	1 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>	I	
600   V   50   315.00   4-   330.00   1490   2000.0   96.0   96.0   95.0   0.83   0.83   0.70   8.5   3.2   3.5   828   460   0   0   0   0   0   0   0   0   0	400	٨	50	215.00	1	570.00			1			100	0 0 0	0 0 70	0.5	2.7	2.5	IES	
460									1						1			IE3	
MEST MINDOT   FS 315 L   BSS   UKCA   IECEN 60034   IEC, DN, ISO, VDE, IN		Δ																IE3	
Environmental conditions : -20 °C - +40 °C / 1000 m   Locked rotor time (hot / cold) : 20.7 s   41.4 s	460	Δ	60	360.00	-/-	560.00	1790	1920.0	96.2	96.1	95.6	0.84	0.8	0 0.72	8.3	3.0	3.2	IE3	
Sound level (SPL / SWL) at 50Hgl60Hz	IM B3 / I	M1001		FS 315 L			IP55	UKCA	IEC/EN	60034		IEC, DIN	, ISO, VDE	E, EN					
Sound level (SPL/SWL) at 50Hz(60Hz 75 / 90 dB(A) 237 8 B1 / 95 dB(A) 237 5 dB(			Enviror	nmental co	nditions :	-20 °C - +4	+40 °C / 1000 m Locke				ocked ro	ed rotor time (hot / cold) : 20.7 s   41.4 s							
Moment of inertia 5.3900 kg m² Vibration severity grade Grade A Bearing DE   NDE 6.319 C4 6319 C4 51900 yrung permissible lateral force on (N) 8000 8650 8000 9000 100 yrung permissible lateral force on (N) 8000 8650 8000 100 yrung yrung permissible lateral force on (N) 8000 8650 8000 100 yrung	Mecha	nical d	ata																
Bearing DE   NDE   6319 C4   6319 C4   6319 C4   Thermal class   F    permissible lateral force on (N)   920   855   8000   Not provided in the part of the part of the permissible lateral force on (N)   920   855   8000   Not permissible lateral force on (N)   9200   8550   8000   Not permissible lateral force on (N)   9200   Not permissible lateral force on (N)   Not permissible lateral forc	Sound	level (SF	PL / SWL)	at 50Hz 60	Hz 75	/ 90 dB(A) <sup>2)</sup>	81 /	95 dB(A) <sup>2) 3)</sup>	Exte	rnal earth	ning teri	minal			(Sta	andard) Ye	s		
permissible lateral force on (N)						5.	3900 kg m²		Vibr										
Part						6319 C4	6319 C4 Thermal class				F								
Direction of rotation   Didirectional   Didi		sible late	eral forc	e on (N)	9	x <sub>0</sub> : 9300	x <sub>0,5</sub> : 8650	x <sub>max</sub> : 8000	Duty type					S1					
Relubrication interval/quantity DE   40 g   40 g   40 g   6000 h   NET	bearing lifetime											bidirectional							
NDE 6000 h Clubricants   UNIREX N3   Coating (paint finish)   Standard paint finish C2   Regreasing device   Flat type lubricating nipple   Color, paint shade   RAL7030   Grease nipple   M10x1 DIN 3404 A   Motor protection   6 resistance thermometers PT100 (12 terminals)   Type of bearing   Locating bearing NDE   Method of cooling   IC411 - self ventilated, surface cooled   Condensate drainage holes   (Standard) Yes    Terminal box   Cast incompatible   Cable diameter from to   42 mm - 54 mm   Type of terminal box   TB3Q61   Cable diameter from to   42 mm - 54 mm   Type of terminal box   TB3Q61   Cable entry   2xM63x1,5 - 2xM20x1,5   Contact screw thread   6xM12   Cable gland   4 plugs	L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation 40000 h										cast iron								
Regreasing device Flat type lubricating nipple Color, paint shade RAL7030 Grease nipple M10x1 DIN 3404 A Motor protection 6 resistance thermometers PTI00 (12 terminals) Type of bearing Locating bearing NDE Method of cooling IC411 - self ventilated, surface cooled Condensate drainage holes (Standard) Yes  Terminal box  Terminal box  Terminal box cast iron Cable diameter from to 42 mm - 54 mm Type of terminal box TB3Q61 Cable entry 2xM63x1,5 - 2xM20x1,5  Contact screw thread 6xM12 Cable gland 4 plugs  LUL, a locked root current / current nominal 2.2 strated power / at full load 2.2 strated power / at full load  Transmitat, reproduction, dissemination and/or editing of this document at seel as utilization of its contents and communication thereof to others without eagues authorization are prohibited. Offendes will be held labe for payment of damages. All rights created by pattert grant or registration of a stillity model or design patent are reserved.  TERMINONOTICS  Technical data sheet  Document type  Technical data sheet  Document type  Technical data sheet  Document trumber  TDS-240923-123844	Relubrication interval/quantity DE					4	40 g   40 g 6000 h Net weight of the m				the mo	otor	. kg						
Grease nipple M10x1 DIN 3404 A Motor protection for resistance thermometers PT100 (12 terminals) Type of bearing Locating bearing NDE Method of cooling IC411 - self ventilated, surface cooled Condensate drainage holes (Standard) Yes  Terminal box  Terminal box Desirition Down at the angle 45°, socket left Max. cross-sectional area 240 mm² Material of terminal box Cast iron Cable diameter from to 42 mm - 54 mm Type of terminal box TB3Q61 Cable entry 2xM63x1,5 - 2xM20x1,5  Contact screw thread 6xM12 Cable gland 4 plugs  LiN <sub>4</sub> = locked notor current / current nominal MiMe. In beak down troque / rounge nominal 2) at rated power / at full load  LiN <sub>4</sub> = locked notor current / current nominal 2) at rated power / at full load  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 payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.  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 payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.  IN LVM  Technical data sheet  Document title  Document title  Document title  Document title  Document title  Document title  Document number  TDS-240923-123844						ι	UNIREX N3 Coating (paint finish				t finish)	)	Standard paint finish C2						
Terminal box  Terminal box  Terminal box Document design location bearing NDE	Regreasing device Flat type				Flat type l	lubricating nipple Color, paint shade													
Terminal box  Terminal box position box at the angle 45°, socket left Max. cross-sectional area 240 mm²  Material of terminal box cast iron Cable diameter from to 42 mm - 54 mm  Type of terminal box TB3Q61 Cable entry 2xM63x1,5 - 2xM20x1,5  Contact screw thread 6xM12 Cable gland 4 plugs  LiN <sub>4</sub> - locked rotor current / current nominal 2) at rated power /at full load MMM. – locked rotor roque from roque from longue romain and lorque  Transmittal, reproduction, dissemination andore editing of this document as well as utilization of its centents 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.  Responsible department Technical reference Created by SPC Created automatically SPC Document status  BOULEMENT SPC Document turber Trachnical data are subject to changer There may be discrepancies between calculated and rating plate values.  Document turber Technical data sheet Document status Released Document turber TDS-240923-123844	Grease nipple M1				M10:	0x1 DIN 3404 A Motor protection													
Terminal box position box at the angle 45°, socket left Max. cross-sectional area 240 mm²  Material of terminal box cast iron Cable diameter from to 42 mm - 54 mm  Type of terminal box TB3Q61 Cable entry 2xM63x1,5 - 2xM20x1,5  Contact screw thread 6xM12 Cable gland 4 plugs  LUN <sub>4</sub> - locked rotor current / current nominal AUM, a locked rotor current / current nominal 2) at rate power / at full load AUM, be also down toque nominal 2) at rate power / at full load AUM, be also down toque nominal roque  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 payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.  Responsible department Technical reference Created by SPC Created automatically SPC	Type of bearing Loca					ting bearing NDE Method of cooling					IC411 - self ventilated, surface cooled								
Terminal box position box at the angle 45°, socket left Max. cross-sectional area 240 mm²  Material of terminal box Cast iron Cable diameter from to 42 mm - 54 mm  Type of terminal box TB3Q61 Cable entry 2xM63x1,5 - 2xM20x1,5  Contact screw thread 6xM12 Cable entry 2xM63x1,5 - 2xM20x1,5  Contact screw thread 6xM12 Cable gland 4 plugs    II. Lum according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411    MAM. = locked rotor corque f rorque nominal MAM. = break down torque f rorque nominal AMM. = break down torque f 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 payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.    Responsible department	Conde	nsate dra	ainage h	oles		(St	andard) Yes	S											
Material of terminal box  TB3Q61 Cable entry 2xM63x1,5 - 2xM20x1,5  Contact screw thread 6xM12 Cable entry 2xM63x1,5 - 2xM20x1,5  Cable gland 4 plugs  Lih locked rotor current / current nominal MLMA locked rotor torque   foreign nominal lorque 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 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 Technical data sheet Document title Document title Document title Document title Document number TDS-240923-123844 TDS-240923-123844	Termir	nal box																	
Type of terminal box  TB3Q61  Cable entry  2xM63x1,5 - 2xM20x1,5  Contact screw thread  6xM12  Cable gland  4 plugs  Liha- locked rotor current / current nominal MAMA_= locked rotor trorque / torque nominal 2) at rated power / at full load  MaMA_= broked 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 payment of damages. All rights created by patient grant or registration of a utility model or design patent are reserved.  Responsible department IN LVM  Technical reference  Created by SPC  Created automatically  Approved by Created automatically  Created automatically  Technical data are subject to change! There may be discrepancies between calculated and rating plate values.  Document status Released  Document title 1LE5503-3AB73-4AJ2-Z  TDS-240923-123844	Terminal box position box at the				box at the a	angle 45°, socket left Max. cross-sectional area				area									
Contact screw thread  6xM12  Cable gland  4 plugs    Ji, Ii, Ii   locked rotor current / current nominal   1) Lissus according to DIN ISO 281 10/2010   Ji, Iii, Ii   locked rotor corque / torque nominal   2) at rated power / at full load   Mi, III   locked rotor torque / torque nominal   2) at rated power / at full load   Mi, III   locked rotor torque / torque nominal   2) at rated power / at full load   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 payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.   IN LVM	Material of terminal box					cast iron Cable diameter from				to									
Internation	Type of terminal box											·							
M <sub>N</sub> /M <sub>N</sub> = locked rotor torque / torque nominal M <sub>N</sub> /M <sub>N</sub> = 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 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 Created automatically Created automatically Created automatically Document status Released Document title 1LE5503-3AB73-4AJ2-Z TDS-240923-123844	Contact screw thread						6xM12 Cable gland					4 plugs							
M <sub>N</sub> /M <sub>N</sub> = locked rotor torque / torque nominal M <sub>N</sub> /M <sub>N</sub> = 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 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 Created automatically Created automatically Created automatically Document status Released Document title 1LE5503-3AB73-4AJ2-Z TDS-240923-123844																			
Responsible department IN LVM  Technical reference Spc	$M_A/M_N = Io$	cked rotor t	torque / toro	que nominal				10/2010			3)	Value is va	lid only for	DOL operation v	rith motor de	sign IC411			
IN LVM  Document type Technical data sheet Document title 1LE5503-3AB73-4AJ2-Z  TOS-240923-123844  Technical data sheet TOS-240923-123844	Transm	ittal, reprod	duction, dis	semination and/o	or editing of this							-		on are prohibite	d. Offenders	will be held lia	ble for pa	ayment of	
Document type Technical data sheet Document title 1LE5503-3AB73-4AJ2-Z  TABLE SPC Created automatically values.  Document status Released Document number TDS-240923-123844	Responsible department Technical reference			erence	Created by	11								iments					
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## Data sheet for three-phase Squirrel-Cage-Motors INNOMOTICS



Motor ty	pe :1CV3317B		INNOMOTIO	CS SD - 315 L - IN	/I ВЗ - 4p						
Special d	lesign										
B12	Sea worthy packagin	g		D22	Motor without	t CE charact	er for export outside t	he EEA (see	e EU		
					regulation 20	15/1/01)					
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