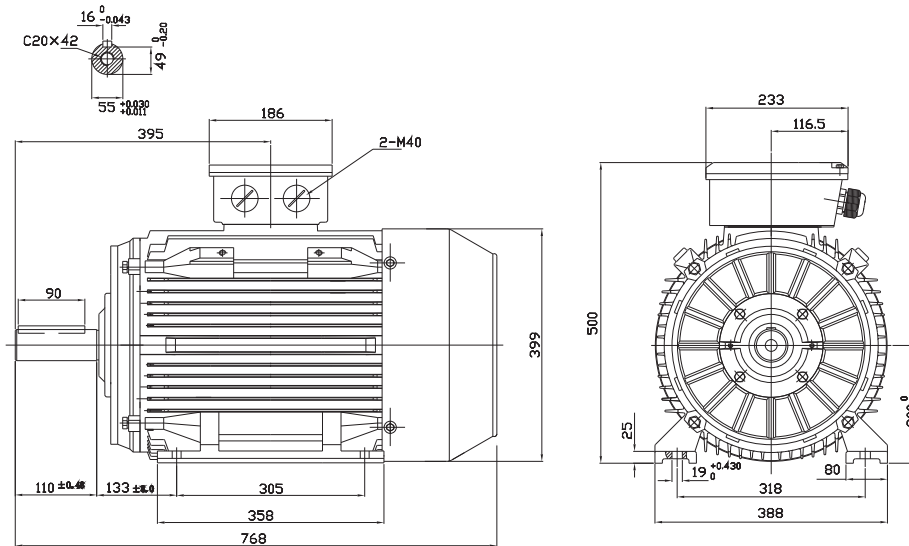


Type T3C 200L2-2

Cod. R2000237,0B3B5G0000T

Mounting position

IM	B3
IM	1001



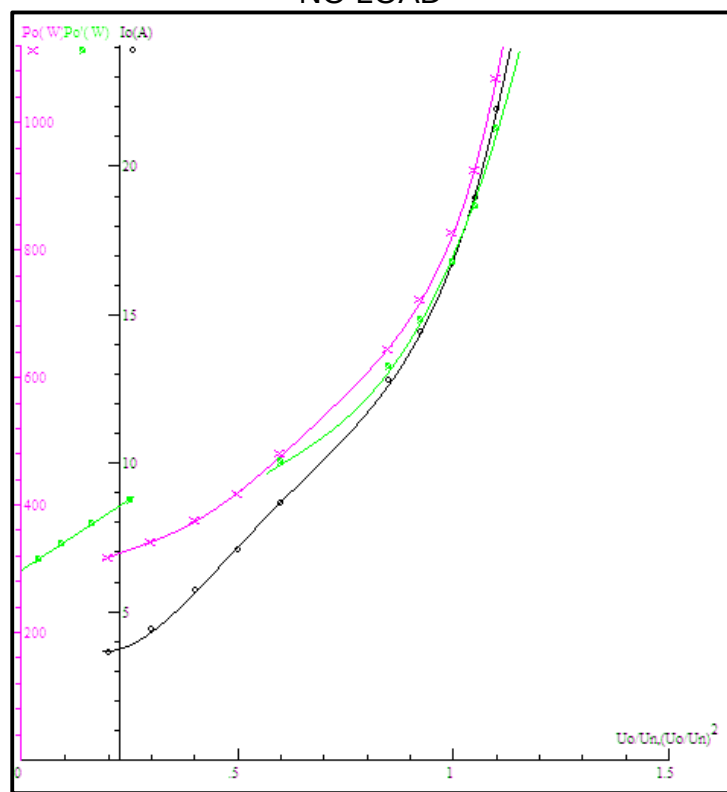
Electrical data			
Rated motor power	37		Kw
Rated motor speed	2930		min ⁻¹ 50Hz
	3520		min ⁻¹ 60Hz
Rated motor frequency	50		Hz
Rated motor voltage(+/-10%)	400		VΔ/50Hz
	690		VY/50Hz
	480		VΔ/60Hz
	830		VY/60Hz
Rated motor torque	120.59		Nm (Mn)
Rated motor current	63.33	VΔ/50Hz	A (In)
	36.61	VY/50Hz	A (In)
Starting motor current	6.3		xIn
Starting motor torque	2.3		xMn
Breakdown motor torque	2.7		xMn
Starting			D.O.L.
Efficiency class	IE3		
Efficiency	50Hz	60Hz	
	93.7	93.1	100% load
	94.4	93.8	75% load
	94.2	92.4	50% load
Power factor cosφ	0.9	0.9	100% load

General data			
Frame size	200		
Mounting	B3		
Weight	275.52	Kg	
Casing material	Cast iron		
Protection	IP	55	
Insulation class/Temperature rise	F	/	B
Tropicalization	Yes		
Vibration class	N		
Duty	S1		
Direction of rotation	Bidirectional		
Method of cooling	IC	411	
Cable entry	2-M40x1,5+1M16x1,5		
Standards	IEC/DIN/ISO/VDE/EN		
Execute at Standard	IEC 60034-1		
Feet removable	Yes		
Paintwork	RAL	7024	dark grey
Thermal protections	PTC 150°C		Standard
Site conditions			
Ambient temperature	from -20°C to +40°C		
Altitude above sea level	1000 m		

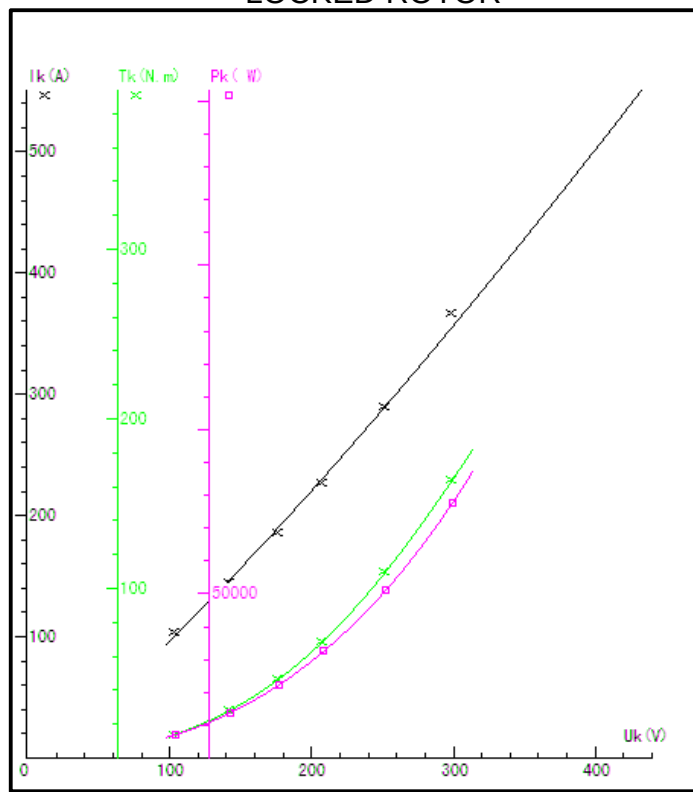
Mechanical data						
Noise level	LpA	75	dB(A)	Bearing DE side	6312-C3	
	LwA	84	dB(A)	Bearing NDE side	6312-C3	
Moment of inertia	0.16462		Kgm²	Average bearing lifetime	40000	h
Bearings type			NSK	Relubrication interval L1 DE bearing	8000	h
Lubricants for bearings	See installation and maintenance manual page 12			Relubrication interval L1 NDE bearing	8000	h
				Compensation ring	NDE SIDE	standard

Type T3C 200L2-2			Output 37 kW		Voltage 400/690 V		Current A		Frequency 50 Hz		Kind of test	
Duty S9			Connection method Δ/Y		Poles 2 P		Speed r/min		Basic temp. 95 ℃			
Insulation resistance	(MΩ)	Phase vs.Phase	Phase vs.Ground	DC Resistance determination(Ω)		over loading test		160% of Rated torque.for 15S		Pass		
	Cold state			Line R	Value			150% of Rated current.for 120S		Pass		
	Hot state	300		R _{UW}	0,09234	Inter-turns insulation test						
High-voltage	1760 V for 60 S			R _{UV}	0,09226	Over speed test		130% of Rated voltage.for 180		Pass		
	Phase vs.Phase		Pass	R _{VW}	0,0923							
	Phase vs.Ground		Pass	Ambient. 30 ℃	120% of Rated max.frequency.for 120S Pass							
Item			Result	Standard value	Tolerance (%)	Reference temp R (Ω)		0,17241	Hot state temp. (℃)		28,5	
Efficiency	100%Pn (%)		93,77			Three-phase R deviation (%)		0,04	Middle part of enclosure temp.(℃)		102,2	
	75%Pn (%)		94,154			No-load current (A)		16,83	Temp. of frame (℃)		70	
	50%Pn (%)		93,799			No-load current deviation (%)		6	Temp. of Airin-N (℃)		101,3	
Power factor			0,901			No-load input power (W)		825,08	Temp. of Airout-D (℃)		28,5	
Temperature rise of stator winding	0 S (K)		78,6			Full-load input current (A)		63,24	Environment humidity (%)			
	30/90 S (K)		78,6			Full-load input power (W)		39458	Degree of protection (IP)		IP55	
Slip (%)			1,3102			Core loss (W)		480,9	Insulation class		F	
Locked current (A)			501,7			Friction and wind age loss(W)		298,42				
Locked rotor current /Rated current			7,93			StatorI2Rloss (W)		706,5	Cold checking test			
Locked torque (Nm)			326,1			RotorI2Rloss (W)		501,42	50 Hz 400/690 V No-load test data			
Locked rotor torque/Rated torque			2,73			Stary-load loss (W)		470,92	No-load current (A)			
Maximum torque (Nm)			344,2			wastage summation (W)		2458,2	No-load power (W)		825,08	
Breakdown torque/Rated torque			2,88			Output (W)		37000	50 Hz V Locked test data			
Pull-up torque (Nm)			181,6			Rated torque (N.m)		119,42	Locked current (A)			
Pull-up torque/Rated torque			1,52			Full-load speed (r/min)		2960,7	Locked power: (W)			
Noise Lp (A) dB												
Vibrancy (mm)												
Bearing temperature rise (K)			58									
Vibration Test												
Displacement (μm)												
velocity (mm/s)												
Acceleration (m/s ²)						Mechanical check Complete assembly, Flexible rotating, Correct Direction.						

NO LOAD



LOCKED ROTOR



LOAD

