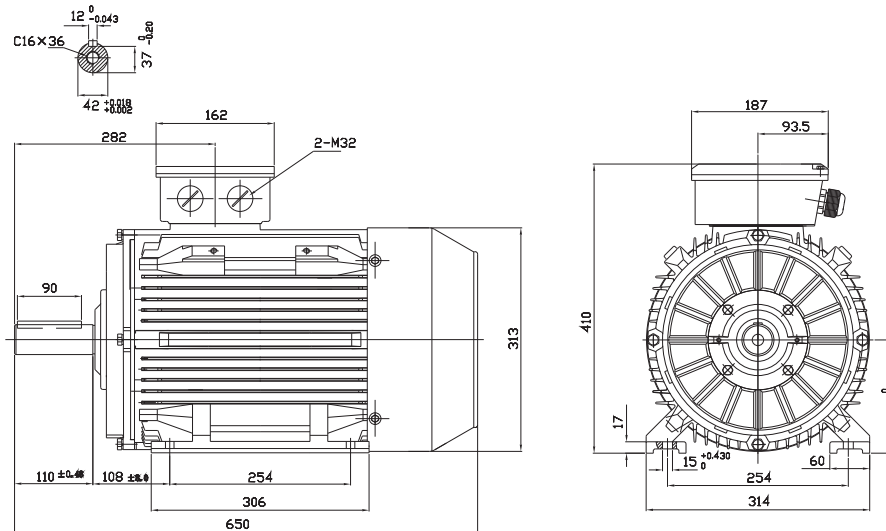


Type T3C 160L-6

Cod. R1600611,0B3B5G0000T

Mounting position

IM	B3
IM	1001



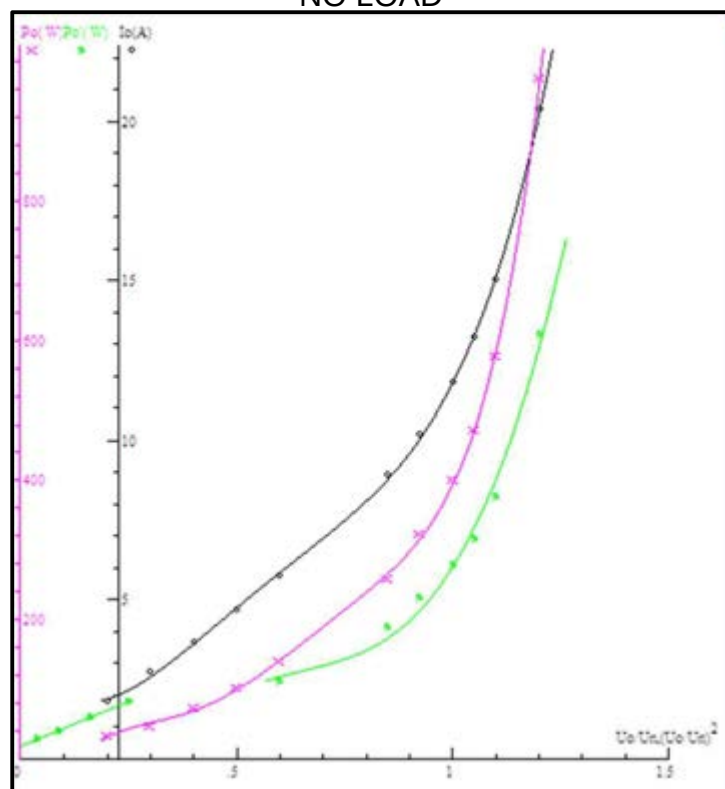
Electrical data			
Rated motor power	11		Kw
Rated motor speed	960		min ⁻¹ 50Hz
	1155		min ⁻¹ 60Hz
Rated motor frequency	50		Hz
Rated motor voltage(+/-10%)	400		VΔ/50Hz
	690		VY/50Hz
	480		VΔ/60Hz
	830		VY/60Hz
Rated motor torque	109.42		Nm (Mn)
Rated motor current	20.69	VΔ/50Hz	A (In)
	11.96	VY/50Hz	A (In)
Starting motor current	7.3		xIn
Starting motor torque	2.5		xMn
Breakdown motor torque	2.8		xMn
Starting			D.O.L.
Efficiency class	IE3		
Efficiency	50Hz	60Hz	
	90.3	91.9	100% load
	91.2	92.6	75% load
	88.5	91.2	50% load
Power factor cosφ	0.85	0.85	100% load

General data			
Frame size	160		
Mounting	B3		
Weight	155.68	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-M32x1,5+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		

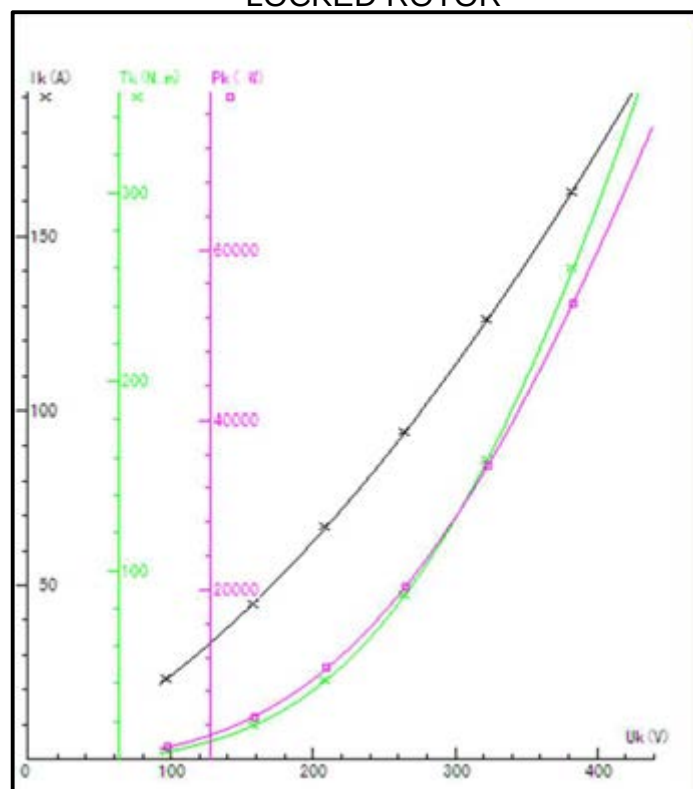
Mechanical data						
Noise level	LpA	61	dB(A)	Bearing DE side		-
	LwA	70	dB(A)	Bearing NDE side		-
Moment of inertia	0.12093		Kgm²	Average bearing lifetime	40000	h
Bearings type			NSK	Relubrication interval L1 DE bearing	24000	h
Lubricants for bearings	See installation and maintenance manual page 12			Relubrication interval L1 NDE bearing	24000	h
				Compensation ring	NDE SIDE	standard

Type T3C 160L-6			Output 11 kW		Voltage 400/690 V		Current A		Frequency 50 Hz		Kind of test	
Duty S1			Connection method Δ / Y		Poles 6 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 150% of Rated current.for 120S Pass						
	Cold state			Line R	Value							
	Hot state	300		R _{UW}	0,5096	Inter-turns insulation test 130% of Rated voltage.for 180 Pass Over speed test 120% of Rated max.frequency.for 120S Pass						
High-voltage	1760 V for 60 S		R _{UV}	0,5094								
	Phase vs.Phase		Pass	R _{VW}	0,50102							
	Phase vs.Ground		Pass	Ambient. 32 ℃								
Item			Result	Standard value	Tolerance (%)	Reference temp R (Ω)		0,93934	Hot state temp. (℃)		71,1	
Efficiency	100%Pn (%)		90,52			Three-phase R deviation (%)		1,12	Middle part of enclosure temp.(℃)		120,6	
	75%Pn (%)		91,168			No-load current (A)		11,77	Temp. of frame (℃)		70	
	50%Pn (%)		90,684			No-load current deviation (%)		1,98	Temp. of Airin-N (℃)		120,5	
Power factor			0,763			No-load input power (W)		392,62	Temp. of Airout-D (℃)		71,1	
Temperature rise of stator winding	0 S (K)		50			Full-load input current (A)		22,98	Environment humidity (%)			
	30/90 S (K)		50			Full-load input power (W)		12152	Degree of protection (IP)		IP55	
Slip (%)			2,2795			Core loss (W)		251,18	Insulation class		F	
Locked current (A)			174,5			Friction and wind age loss(W)		18,904				
Locked rotor current /Rated current			7,59			StatorI2Rloss (W)		468,99	Cold checking test			
Locked torque (Nm)			292,7			RotorI2Rloss (W)		260,59	50 Hz 400/690 V No-load test data			
Locked rotor torque/Rated torque			2,7			Stary-load loss (W)		152,71	No-load current (A)			
Maximum torque (Nm)			280,2			wastage summation (W)		1152,4	No-load power (W)		392,62	
Breakdown torque/Rated torque			2,59			Output (W)		11000	50 Hz V Locked test data			
Pull-up torque (Nm)			161,1			Rated torque (N.m)		108,29	Locked current (A)			
Pull-up torque/Rated torque			1,49			Full-load speed (r/min)		977,21	Locked power: (W)			
Noise Lp (A) dB												
Vibrancy (mm)												
Bearing temperature rise (K)			85									
Vibration Test												
Displacement (μm)												
velocity (mm/s)												
Acceleration (m/s ²)						Mechanical check Complete assembly, Flexible rotating, Correct Direction.						

NO LOAD



LOCKED ROTOR



LOAD

