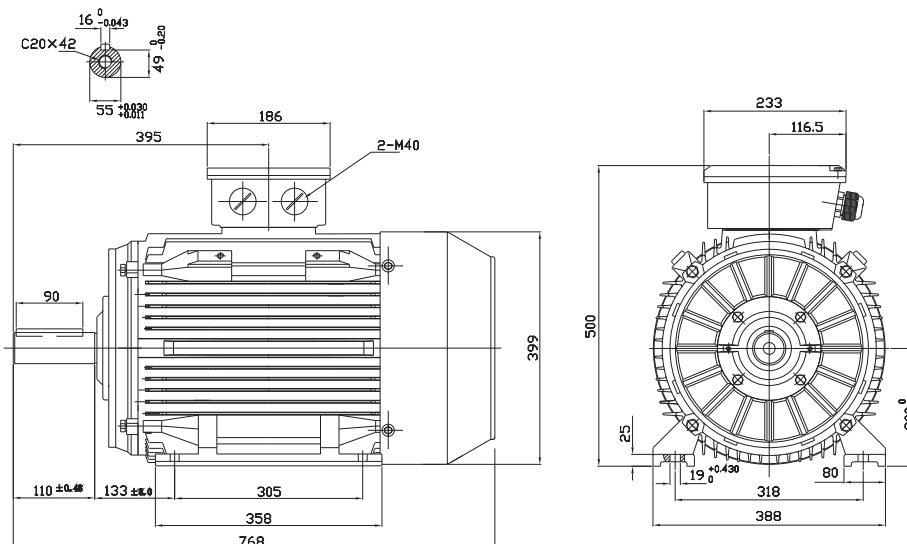


Type T3C 200L1-6

Cod. R2000618,5B3B5G0000T

Mounting position

IM	B3
IM	1001



Electrical data			
Rated motor power	18.5		Kw
Rated motor speed	965		min <sup>-1</sup> 50Hz
	1160		min <sup>-1</sup> 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	183.07		Nm (Mn)
Rated motor current	34.26	VΔ/50Hz	A (In)
	19.8	VY/50Hz	A (In)
Starting motor current	7.8		xIn
Starting motor torque	2.4		xMn
Breakdown motor torque	3.2		xMn
Starting			D.O.L.
Efficiency class	IE3		
Efficiency	50Hz	60Hz	
	91.7	93.3	100% load
	92.3	94	75% load
	90.6	92.6	50% load
Power factor cosφ	0.85	0.85	100% load

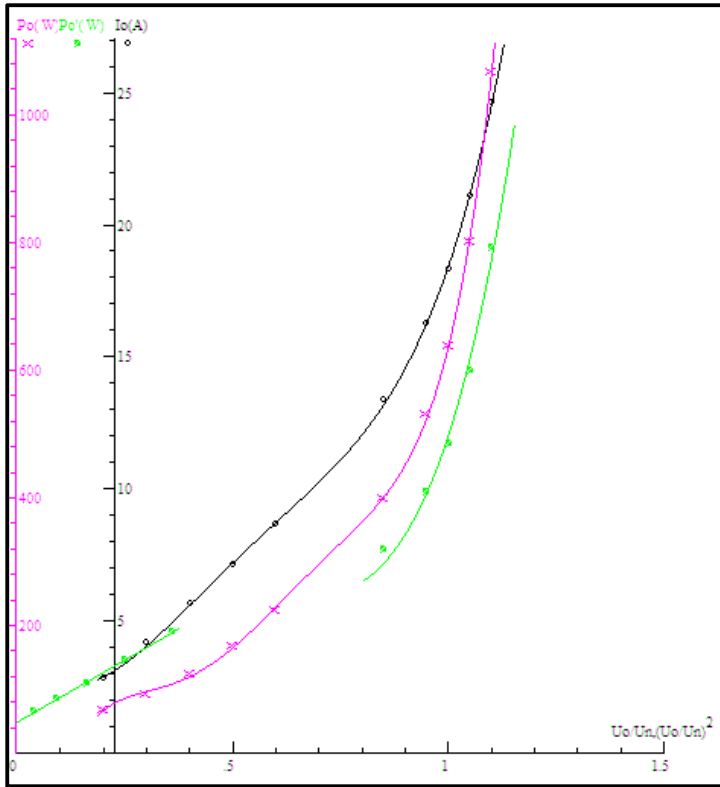
General data			
Frame size	200		
Mounting	B3		
Weight	265.96		Kg
Casing material	Cast iron		
Protection	IP		55
Insulation class/Temperature rise	F	/	B
Tropicalization	Yes		
Vibration class	N		
Duty	S1		
Direction of rotation	Bidirectional		
Method of cooling	IC		411
Cable entry	2-M40x1,5+1M16x1,5		
Standards	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

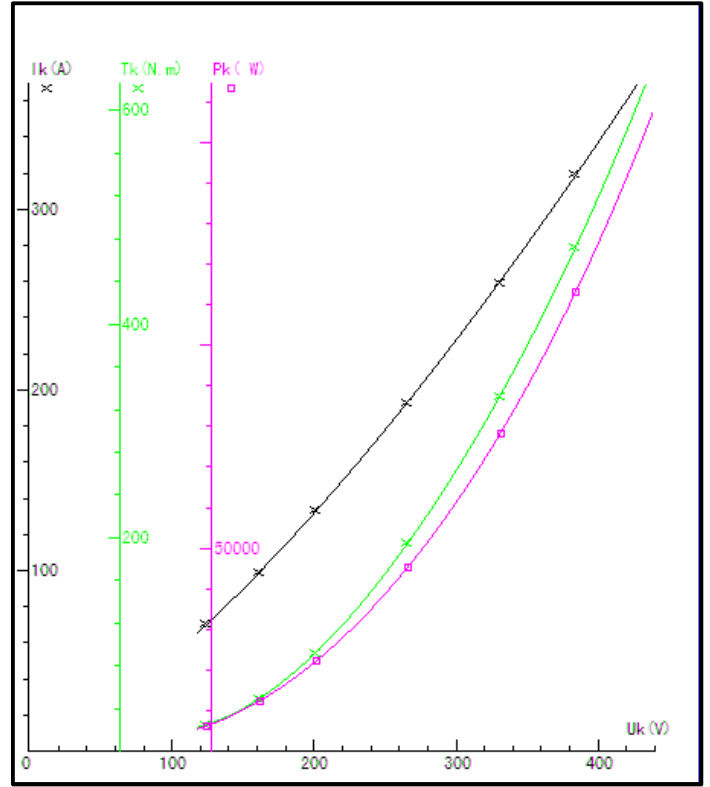
Mechanical data					
Noise level	LpA	63	dB(A)	Bearing DE side	-
	LwA	72	dB(A)	Bearing NDE side	-
Moment of inertia	0.40539		Kgm <sup>2</sup>	Average bearing lifetime	40000 h
Bearings type			NSK	Relubrication interval L1 DE bearing	23000 h
Lubricants for bearings	See installation and maintenance manual page 12			Relubrication interval L1 NDE bearing	23000 h
				Compensation ring	NDE SIDE

Type	T3C 200L1-6			Output	18,5 kW	Voltage	400/690 V	Current	A	Frequency	50 Hz	Kind of test	
Duty	S1			Connection method	$\Delta / Y$	Poles	6 P	Speed	r/min	Basic temp.	95 °C		
Insulation resistance	(M $\Omega$ )	Phase vs.Phase	Phase vs.Ground	DC Resistance determination( $\Omega$ )		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 <sub>UV</sub>	0,2702	Inter-turns insulation test							
High-voltage	1760 V for		60 S	R <sub>UV</sub>	0,2703	130% of Rated voltage.for 180		Pass					
	Phase vs.Phase		Pass	R <sub>VW</sub>	0,2705	Over speed test							
	Phase vs.Ground		Pass	Ambient.	29,8 °C	120% of Rated max.frequency.for 120S		Pass					
Item		Result	Standard value	Tolerance (%)	Reference temp R ( $\Omega$ )	0,50534	Hot state temp. (°C)	32,8					
Efficiency	100% P <sub>n</sub>	(%)	91,74		Three-phase R deviation (%)	0,06	Middle part of enclosure temp.(°C)	101,1					
	75% P <sub>n</sub>	(%)	92,015		No-load current (A)	18,41	Temp. of frame (°C)	67					
	50% P <sub>n</sub>	(%)	91,223		No-load current deviation (%)	7,59	Temp. of Airin-N (°C)	101,1					
Power factor		0,802			No-load input power (W)	635,47	Temp. of Airout-D (°C)	32,8					
Temperature rise of stator winding	0 S	(K)	72,4		Full-load input current (A)	36,28	Environment humidity (%)						
	30/90 S	(K)	72,4		Full-load input power (W)	20166	Degree of protection (IP)	IP55					
Slip (%)		1,5904			Core loss (W)	432,82	Insulation class	F					
Locked current (A)		336,8			Friction and wind age loss(W)	48,319							
Locked rotor current /Rated current		9,28			StatorI2Rloss (W)	670,97	Cold checking test						
Locked torque (Nm)		518,1			RotorI2Rloss (W)	303,17	50 Hz 400/690 V No-load test data						
Locked rotor torque/Rated torque		2,89			Stary-load loss (W)	210,88	No-load current (A)						
Maximum torque (Nm)		575,4			wastage summation (W)	1666,2	No-load power (W) 635,47						
Breakdown torque/Rated torque (倍)		3,21			Output (W)	18500	50 Hz V Locked test data						
Pull-up torque (Nm)					Rated torque (N.m)	179,14	Locked current (A)						
Pull-up torque/Rated torque					Full-load speed (r/min)	984,1	Locked power: (W)						
Noise Lp (A) dB		74,3											
Vibrancy (mm)													
Bearing temperature rise (K)		77											
Vibration Test													
Displacement ( $\mu$ m)													
velocity (mm/s)													
Acceleration (m/s <sup>2</sup> )							Mechanical check		Complete assembly, Flexible rotating, Correct Direction.				

### NO LOAD



### LOCKED ROTOR



### LOAD

