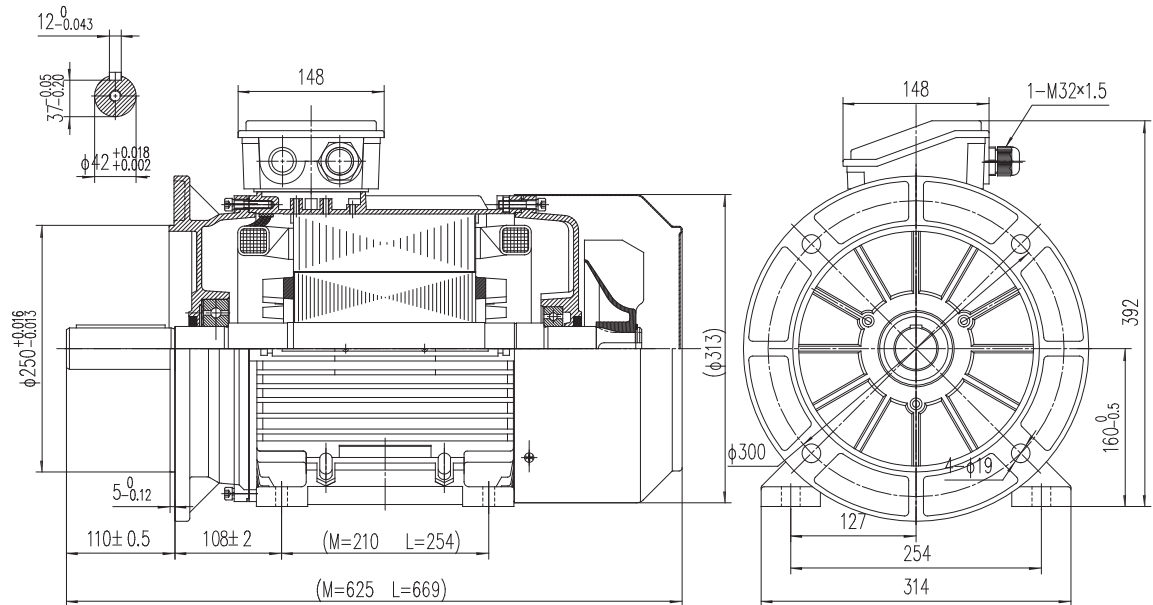


Type T3A 160L1-4

Cod. R160L415,0AB5A00000T

Mounting position

IM	B35
IM	2001



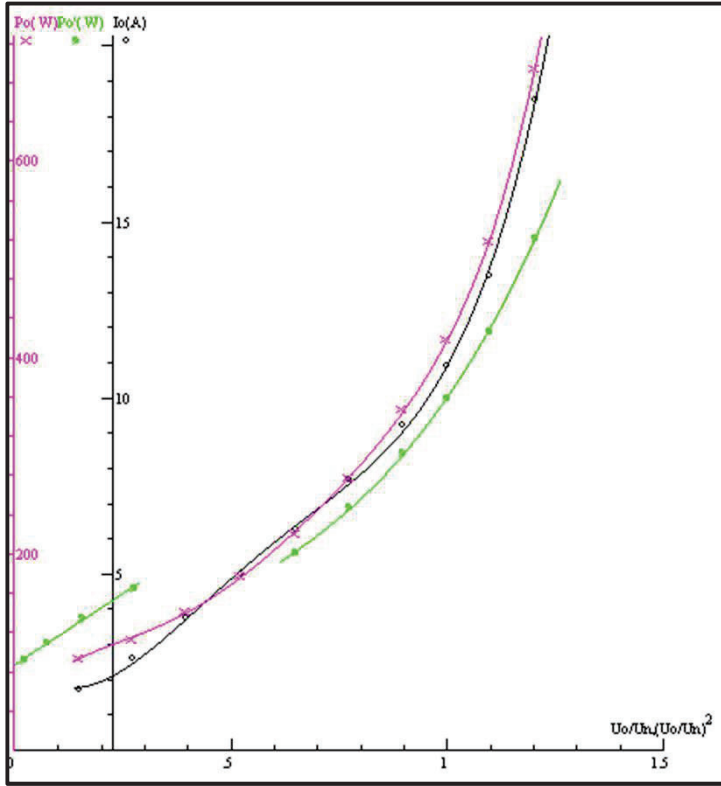
Electrical data				General data			
Rated motor power	15		Kw	Frame size	160		
Rated motor speed	1470		min ⁻¹ 50Hz	Mounting	B35		
	1765		min ⁻¹ 60Hz	Weight	98.8	Kg	
Rated motor frequency	50		Hz	Casing material	Aluminum		
Rated motor voltage(+/-10%)	400		VΔ/50Hz	Protection	IP	55	
	690		VY/50Hz	Insulation class	H		
	480		VΔ/60Hz	Tropicalization	Yes		
	830		VY/60Hz	Vibration class	A		
Rated motor torque	97.49		Nm (Mn)	Duty	S1		
Rated motor current	27.7	VΔ/50Hz	A (In)	Direction of rotation	Bidirectional		
	16.01	VY/50Hz	A (In)	Method of cooling	IC	411	
Starting motor current	9.2		xIn	Cable entry	2-M32x1,5+1-M16x1,5		
Starting motor torque	3		xMn	Standards	IEC/DIN/ISO/VDE/EN		
Breakdown motor torque	3		xMn	Execute at Standard	IEC 60034-1		
Starting			D.O.L.	Feet removable	Yes		
Efficiency class	IE3			Paintwork	7024	C2 standard	
Efficiency	50Hz	60Hz		Thermal protections	n/a		
	92.1	92.5	100% load				
	92.3	91.9	75% load				
	91.3	91.1	50% load				
Power factor cosφ	0.85	0.85	100% load				
Mechanical data				Site conditions			
Noise level	LpA	67	dB(A)	Ambient temperature	from -20°C to +40°C		
	LwA	76	dB(A)	Altitude above sea level	1000 m		
Moment of inertia	0.13704		Kgm ²	Bearing DE side	6309-2RS-C3		
Bearings type			NSK	Bearing NDE side	6209-2RS-C3		
	See installation and maintenance manual			Average bearing lifetime	40000	h	
Lubricants for bearings				Relubrication interval L1 DE bearing	life	h	
				Relubrication interval L1 NDE bearing	life	h	
				Compensation ring	NDE SIDE	standard	

There may be differences between rating plate and calculated values.

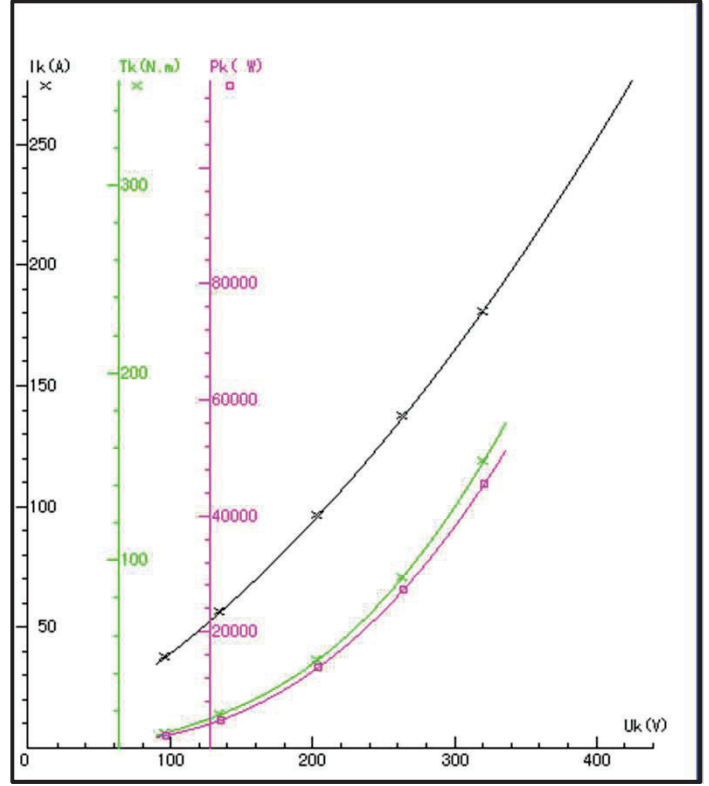
Type: T3A160L-4 Voltage: 400/690 V
 Output 15 KW Connection: Δ /Y
 Frequency: 50 Hz Duty: S1

Test Item		Standard		Result	
		Nominal	Tol		
1	Efficiency %			92,63	
2	Power Factor			0,849	
3	Tem. Rise of Stator Winding K			55	
4	Vibration mm/s				
5	Noise Lp dB (A) (Lw)				
6	Breakdown Torque/Rated Torque			2,96	
7	Pullup Torque/Rated Torque				
8	Locked Rotor Tor./Rated Tor.			3	
9	Locked Rotor Cur./Rated Cur.			9,14	
10	High Voltage Test V			1800	
11	Hot Insulation Res. of Stator Winding M Ω			300	
12	Temperature of Bearing $^{\circ}$ C			58	
13	Unbalance of Current %			0,75	
14	Full Load line Current A			27,54	
15	Full-load input power (W)			16194	
16	Full Load torque Nm			98,243	
17	Max.temp.of enclosure surface $^{\circ}$ C			54,6	
18	No Load Current A			10,91	
19	Slip %			1,803	
20	Winding phase resistance 95 $^{\circ}$ C			0,59646	
21	Stary-load loss (W)			130,35	
22	No-load input power (W)			417,03	
23	Core loss (W)			269,22	
24	Friction and wind age loss(W)			87,393	
25	Locked Rotor Power (W)			87272	
26	StatorI2Rloss (W)			427,82	
27	RotorI2Rloss (W)			279,41	
28	Locked Rotor Voltage 100 V	Current A	39,24	Power W	2360
50%eff: 93,029 75%eff: 92,537					

NO LOAD



LOCKED ROTOR



LOAD

