

Type T2A 90S-4

Cod. I090S401,1BA5A00000T

Mounting position

IM	B34
IM	2101

*Drawings available upon request*

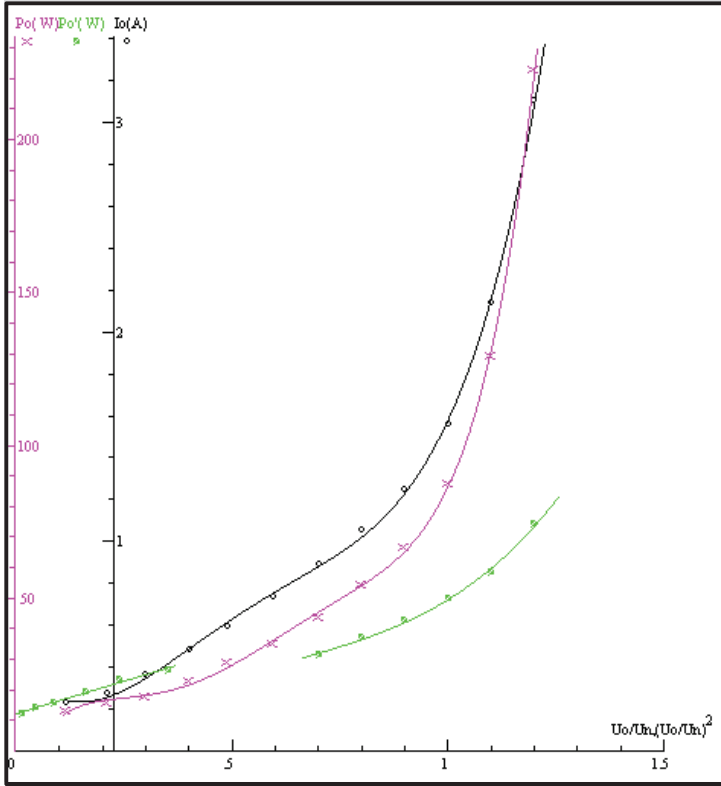
Electrical data				General data			
Rated motor power	1.1		Kw	Frame size	90		
Rated motor speed	1430		min <sup>-1</sup> 50Hz	Mounting	B34		
	1720		min <sup>-1</sup> 60Hz	Weight	13.95	Kg	
Rated motor frequency	50		Hz	Casing material	Aluminum		
Rated motor voltage(+/-10%)	230		VΔ/50Hz	Protection	IP	55	
	400		VY/50Hz	Insulation class	H		
	280		VΔ/60Hz	Tropicalization	Yes		
	480		VY/60Hz	Vibration class	A		
Rated motor torque	7.35		Nm (Mn)	Duty	S1		
Rated motor current	4.53	VΔ/50Hz	A (In)	Direction of rotation	Bidirectional		
	2.62	VY/50Hz	A (In)	Method of cooling	IC	411	
Starting motor current	6.8		xIn	Cable entry	1-M20x1,5		
Starting motor torque	2.9		xMn	Standards	IEC/DIN/ISO/VDE/EN		
Breakdown motor torque	3.1		xMn	Execute at Standard	IEC 60034-1		
Starting			D.O.L.	Feet removable	Yes		
Efficiency class	IE2			Paintwork	7024	C2 standard	
Efficiency	50Hz	60Hz		Thermal protections	n/a		
	81.4	84.2	100% load	<b>Site conditions</b>			
	81.9	83.9	75% load	Ambient temperature	from -20°C to +40°C		
	79.7	81.3	50% load	Altitude above sea level	1000 m		
Power factor cosφ	0.75	0.75	100% load				

Mechanical data						
Noise level	LpA	70	dB(A)	Bearing DE side	6205-2RS-C3	
	LwA	80	dB(A)	Bearing NDE side	6205-2RS-C3	
Moment of inertia	0.00334		Kgm <sup>2</sup>	Average bearing lifetime	40000	h
Bearings type			NSK	Relubrication interval L1 DE bearing	life	h
Lubricants for bearings	See installation and maintenance manual			Relubrication interval L1 NDE bearing	life	h
				Compensation ring	NDE SIDE	standard

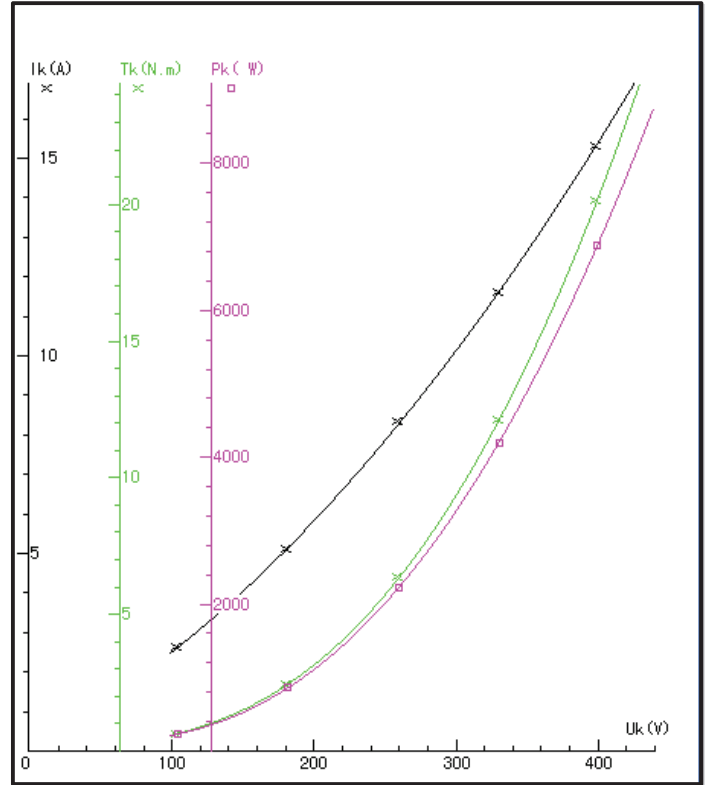
There may be differences between rating plate and calculated values.



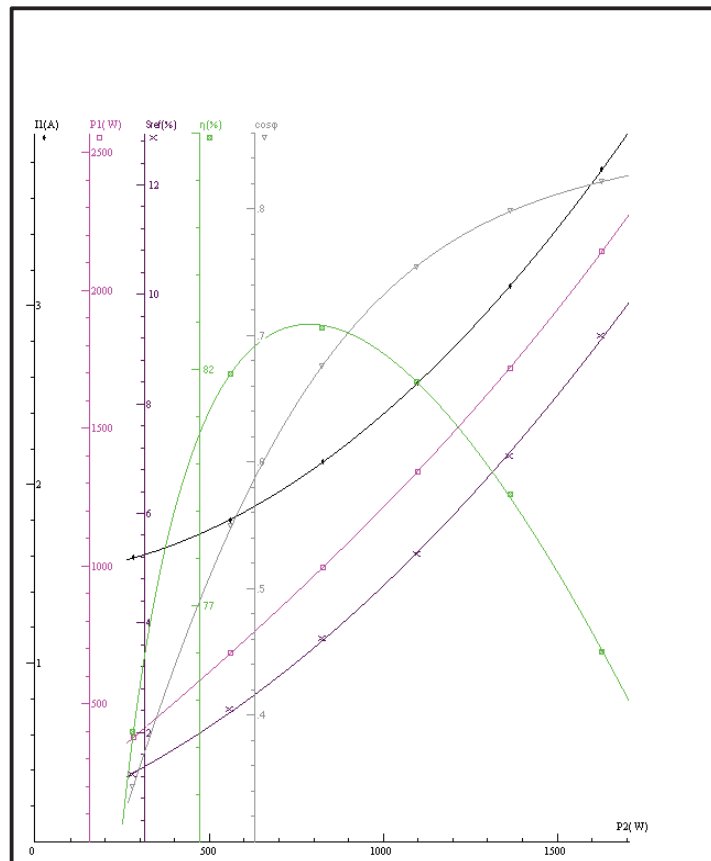
NO LOAD



LOCKED ROTOR



LOAD



Torque - Speed Curve

