



## Three-Phase Asynchronous Motor Test Report

### NAMEPLATE DATA

MOTOR TYPE:	K400 - 6		SERIES No:	
RATE VOLTAGE:	690	V	CONNECTION:	Y
RATE CURRENT:	508	A	DUTY:	S1
RATE POWER:	500	kW	INSULATION CLASS:	F
RATE SPEED:	985	r/min	ENCLOSURE:	IP55
FREQUENCY:	50	Hz	MANUFACTOR:	VALIADIS S.A
PRODUCTION	2017-4-14			

### TEST REPORT

Electric Function		Technical Requirement		Test Data
		Standard	Limit	
Cold R	(Ω)			0.0074
Cold Temp	(°C)			16
Rated No-Load Current	(A)			168.40
Rated No-Load Power	W			8813.00
Pfw	W		3800	2656.00
Pfe	W		6365	5864.00
Δ Io	(%)	≤		0.87
Locked Rotor Current (Ik)	(A)			4037.45
Ik/ In		≤	6.5	7.95
Locked Rotor Torque(Tk)	(Nm)			9994.00
Rated Torque(Tn)	(Nm)			4847.00
Tk / Tn		≥	1.6	2.06
Max Torque(Tmax)	(Nm)			/
Tmax/ Tn		≥		/
Max Torque(Tmax)				/
Tmin/Tn		≥		/
P1(100%Rated Load)	W			519240.75
I1(100%Rated Load)	(A)		508	520.8
cosφ(100%Rated Load)	(%)	≥	0.86	0.855
Sref(100%Rated Load)	(%)			0.007
Pcu1	W		3315	3946.37
Pcu2	W		3120	3677.78
Ps	W		2600	2596.20
η(100%)	(%)	≥	95.7	96.39
Temperature RiseΔθ	(K)	≤	80	78.26
Noise	(Ω)			0.0097
Vibration	(dB)	≤		
Bearing Temp	(MΩ)	≥		0

TEST :		CHECK:		DATE :	14/04/2017
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