

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	15 KW	1455 RPM
K160L-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
90.7 EFFICIENCY	27.4 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0.871 PF	N/A EFF2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM 0.473
NO LOAD CURRENT		AMP 9.92
NO LOAD INPUT		kW 0.515
CORE LOSS(Pfe)		kW 0.386
WINDAGE FRICTION LOSS(Pfw)		kW 0.064
STATOR WINDING LOSS(Pcu1)		kW 0.534
ROTOR WINDING LOSS(Pcu2)		kW 0.472
STRAY LOAD LOSS(Ps)		kW 0.083
FULL LOAD CURRENT		AMP 27.43
LOCKED ROTOR CURRENT		AMP 220.75
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 8.0
LOCKED ROTOR INPUT @ FULL LOAD		kW 79.04
FULL LOAD TORQUE		N.m 98.52
LOCKED ROTOR TORQUE		N.m 250.74
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.55
PULL OUT TORQUE		N.m 345.0
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 3.50
PULL UP TORQUE		N.m 216.63
PULL UP TORQUE/FULL LOAD TORQUE		P.U. 2.20
EFFICIENCY @ FULL LOAD		% 90.66
POWER FACTOR @ FULL LOAD		0.871
FULL LOAD SLIP		% 3.020
FULL LOAD SPEED		r/min 1455
STATOR WINDING TEMPERATURE RISE	30 SECS	K 66.2
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 79.1
TEMPERATURE ON LEADS BY PT100		Deg. C 66.8
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C 57.6
AMBIENT TEMPERATURE OF TESTING		Deg. C 25.5
SOUND PRESSURE LEVEL		dB(A) 62
VIBRATION		mm/s 0.5
WEIGHT		kg 144

The data above is calculated as per IEC 34-2,all data at nominal Volts

VALIADIS S.A. K160L-4 15 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE	2006.10	REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			