



GENERAL PURPOSE MOTOR PLANT
THREE PHASE SQUIRREL CAGE MOTOR DATA-SHEET
MOTOR TYPE : Q1E 63M2B

NAME PLATE AND CATALOGUE VALUES

P (kW)	Un (V) Δ / Y	In (A) Δ / Y	Cos φ	r.p.m	Mn(k.p.m)	% Efficiency	Starting torque (k.p.m)	Breakdown torque (k.p.m)	Max.Ambient Temperature °C	Insulation class
0,25	230/400	1.14/0.66	0,81	2780	0,088	67,0	0,194	0,202	40	F

TEST RESULTS

NO LOAD

V	I (A)	Po (W)
420	0,27	64
400	0,26	58
380	0,24	54

PERFORMANCE 0,01

Load	U (V)	I (A)	T (k.p.m)	(r.p.m)	Pin (W)	% E	Cos φ	Hz
4/4	440	0,68	0,088	2849	395	65,2	0,760	50
4/4	420	0,66	0,088	2829	385	66,4	0,801	50
1/4	400	0,35	0,022	2972	132	50,9	0,551	50
2/4	400	0,42	0,044	2928	210	63,0	0,723	50
3/4	400	0,51	0,066	2868	288	67,5	0,809	50
4/4	400	0,65	0,088	2811	375	67,8	0,833	50
5/4	400	0,80	0,110	2707	462	66,2	0,836	50
4/4	380	0,69	0,088	2760	376	66,4	0,825	50
4/4	360	0,72	0,088	2715	385	63,7	0,853	50

Starting Torque : at rated voltage and frequency	0.205 k.p.m
Starting Current : at rated voltage and frequency	3.15 A
Breakdown Torque : at rated voltage and frequency	0.245 k.p.m

SOUND PRESSURE LEVEL (Measured at 1 m away from the surface of the motor)	52 d BA
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TEMPERATURE RISE at rated voltage and frequency (Resistance method)	43°C
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REVISION : 1

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