



GENERAL PURPOSE MOTOR PLANT
THREE PHASE SQUIRREL CAGE MOTOR DATA-SHEET
MOTOR TYPE : Q1E 80M4A

NAME PLATE AND CATALOGUE VALUES

P (k W)	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
0,55	230/400	2.6/1.5	0,72	1400	0,383	69,4	0,881	0,958	40	F

TEST RESULTS

NO LOAD

V	I (A)	Po (W)
420	1,21	140
400	1,08	118
380	0,96	102

PERFORMANCE

Load	U (V)	I (A)	T (k.p.m)	(r.p.m)	Pin (W)	% E	Cos φ	Hz
4/4	420	1,57	0,383	1413	782	71,1	0,685	50
1/4	400	1,03	0,096	1472	268	53,9	0,376	50
2/4	400	1,10	0,192	1456	422	67,9	0,554	50
3/4	400	1,28	0,287	1433	589	71,7	0,665	50
4/4	400	1,49	0,383	1403	769	71,8	0,745	50
5/4	400	1,82	0,479	1372	975	69,2	0,773	50
4/4	380	1,56	0,383	1390	771	70,9	0,751	50

Starting Torque : at rated voltage and frequency	0.882 k.p.m
Starting Current : at rated voltage and frequency	6.55 A
Breakdown Torque : at rated voltage and frequency	0.962 k.p.m

SOUND PRESSURE LEVEL (Measured at 1 m away from the surface of the motor)	49d BA
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TEMPERATURE RISE at rated voltage and frequency (Resistance method)	60°C
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REVISION : 1

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