

3 Phase Squirrel Cage Induction Motor

Customer : - BBL Ref No : - Quantity : - Nos
 Consultant : - Tag Nos : -
 Project : -

Product Type : Line Operated IE2 Efficiency Motor

Output (kW)/Poles : 0.37 / 6P	Frame Size : 80
Voltage (V) : 415 +/- 10%	Area Classification : Safe Area
Frequency (Hz) : 50 +/- 5%	Type of Ex Protection : N.A.
Duty : S1 (Continuous)	Gas group / Temp. Class : N.A. / N.A.
Altitude (m) : < 1000	Approving Authority : N.A.
Amb Temp/ Temp Rise : 50 Deg C / 70 K	Enclosure / Cooling Type : TEFC / IC411
Insulation Class : F	Location-Indoor/Outdoor : Indoor
Temp. Rise Class on DOL : B	Mounting : B5
Rated Current (Amps) : 1.06	Degree of protection : IP55
Rated Speed (RPM) : 910	T Box Position from DE : TOP
Rated Torque (kgm) : 0.40	Type of coupling : Direct
Service Factor (SF) : 1.00	Type of Bearing (DE/NDE) : Ball / Ball
SF Current (Amps) : --	DE / NDE Bearing : 6004 2Z / 6004 2Z
Efficiency & Power factor :	Lubrication : Lithium Soap Base Grease
% Full Load % Efficiency Power Factor	Connection / No. of terminals : Star / 6
100% 67.6 IE2 0.72	Cable Size : 1 x 3C x 4 Sqmm
75% 67.6 0.62	Main T.Box ET Size : 1 x 3/4 inch BSC
50% 63.0 0.50	Weight in kg (Approx) : 10
Locked Rotor Current (% Full Load) : 300%	Direction of rotation : Clockwise from DE
Locked Rotor Torque (% Full Load) : 200%	Paint Type : Acrylic
Breakdown Torque (% Full Load) : 220%	Paint Shade : RAL 5000
L.R. Withstand Time Hot/Cold (sec) : 30 / 60	Noise level (dBA) : As per IS12065
Application : Centrifugal Pump	Vibration level (mm/sec) : "Normal" as per IS12075
Type of Load Torque : Variable Torque	Brake Type : N.A.
Method of starting : DOL	Braking Torque (kgm) : N.A.
Speed Variation on VFD : NA	Brake release time (ms) : N.A.
Rotor GD ² (kgm ²) : 0.0054	Brake application time (ms) : N.A. (AC Side interruption)
Load RPM : Customer to specify	Accessories :
Load GD ² (kgm ²) : Customer to specify	
Starting time (sec) : 0.5 Load GD2=Motor GD2	
No. of consecutive starts : 2 Hot / 3 Cold	
Additional data 1 :	
Additional data 2 :	

Applicable Standards : IS/IEC60034-1, IS12615, IS1231, IS2223, IS12065, IS12075

Remarks :

Notes

- 1) All performance values are subject to IS/IEC 60034-1 tolerances, unless otherwise specified.
- 2) Performance values are at rated voltage and rated frequency condition and for DOL starting condition.
- 3) Motor GD2 = Load GD2 assumed wherever not mentioned.
- 4) Where starting time is more than 10 seconds, provision of heavy duty relays is mandatory.

0	MCG	MCG	22-04-2023
Rev No.	Prepared By	Checked By	Date