



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : IEC Tru-Metric - TEFC (IP55) - Aluminum Frame

Frame : 90S
Output : 0.5 HP
Frequency : 60 Hz
Poles : 8
Full load speed : 840 rpm
Slip : 6.67 %
Voltage : 230/460 V
Rated current : 2.70/1.35 A
Locked rotor current : 11.9/5.94 A
Locked rotor current (I_L/I_N) : 4.4
No-load current : 2.14/1.07 A
Full load torque : 3.08 lb.ft
Locked rotor torque : 230 %
Breakdown torque : 250 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 33 lb
Moment of inertia : 0.10631 sq.ft.lb
Noise level : 47 dB(A)

	D.E.	N.D.E.
Bearings	6205 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.56	61.5
75%	0.46	62.0
50%	0.36	56.5

Notes:

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