



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame

Frame : 90S/L
 Output : 2 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1755 rpm
 Slip : 2.50 %
 Voltage : 460 V
 Rated current : 2.79 A
 Locked rotor current : 23.2 A
 Locked rotor current (I_L/I_n) : 8.3
 No-load current : 1.68 A
 Full load torque : 5.90 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 400 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 43 lb
 Moment of inertia : 0.15662 sq.ft.lb
 Noise level : 49 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 ZZ	6204 ZZ	100%	0.78	86.5
Regreasing interval	---	---	75%	0.69	85.5
Grease amount	---	---	50%	0.56	82.5

Notes:
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