



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase : Rolled Steel Motor - High Efficiency

Frame : 254/6T
Output : 20 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1755 rpm
Slip : 2.50 %
Voltage : 230/460 V
Rated current : 49.8/24.9 A
Locked rotor current : 309/154 A
Locked rotor current (I_L/I_n) : 6.2
No-load current : 20.6/10.3 A
Full load torque : 59.0 lb.ft
Locked rotor torque : 260 %
Breakdown torque : 260 %
Design : B
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 : 232 lb
Moment of inertia : 2.8580 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6309 ZZ	6209 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.83	91.0
75%	0.78	91.7
50%	0.68	91.0

Notes:
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