



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Three-Phase: W22 IEEE-841™ Petrochem Motors - NEMA Premium® Efficiency

Frame : 284/6TS
Output : 25 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3535 rpm
Slip : 1.81 %
Voltage : 460 V
Rated current : 28.5 A
Locked rotor current : 180 A
Locked rotor current (I_L/I_n) : 6.3
No-load current : 7.50 A
Full load torque : 36.6 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 17 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 362 lb
Moment of inertia : 2.6936 sq.ft.lb
Noise level : 72 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	14000 h	17000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.89	91.7
75%	0.87	91.7
50%	0.82	91.0

Notes:

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