



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 : 284/6T
 Output : 25 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1765 rpm
 Slip : 1.94 %
 Voltage : 460 V
 Rated current : 29.5 A
 Locked rotor current : 183 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 10.5 A
 Full load torque : 73.4 lb.ft
 Locked rotor torque : 240 %
 Breakdown torque : 270 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 24 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 388 lb
 Moment of inertia : 5.1084 sq.ft.lb
 Noise level : 64 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.84	93.6
75%	0.80	93.0
50%	0.70	92.4

Notes:
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