



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Catalog Number : 04012ES3EOW365T

List Price : \$6,290

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Frame : 365T
 Output : 40 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1130 rpm
 Slip : 5.83 %
 Voltage : 208-230/460 V
 Rated current : 116-105/52.5 A
 Locked rotor current : 578/289 A
 Locked rotor current (I_L/I_n) : 5.5
 No-load current : 38.0/19.0 A
 Full load torque : 183 lb.ft
 Locked rotor torque : 290 %
 Breakdown torque : 0 %
 Design : D
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 34 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 809 lb
 Moment of inertia : 26.806 sq.ft.lb
 Noise level : 65 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6314 C3	6314 C3	100%	0.82	87.5
Regreasing interval	14267 h	14267 h	75%	0.80	87.0
Grease amount	27 g	27 g	50%	0.75	85.0

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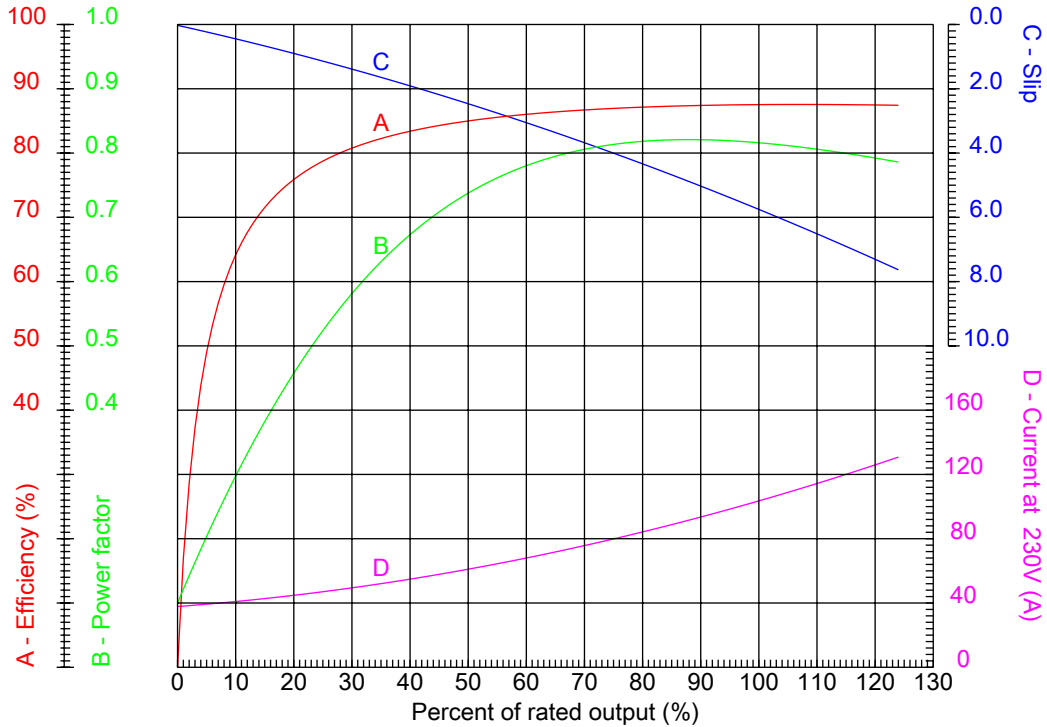
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Frame	: 365T	Locked rotor current (I _L /I _n)	: 5.5
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1130 rpm	Design	: D
Voltage	: 208-230/460 V	Locked rotor torque	: 290 %
Rated current	: 116-105/52.5 A	Breakdown torque	: 0 %
Insulation class	: F		

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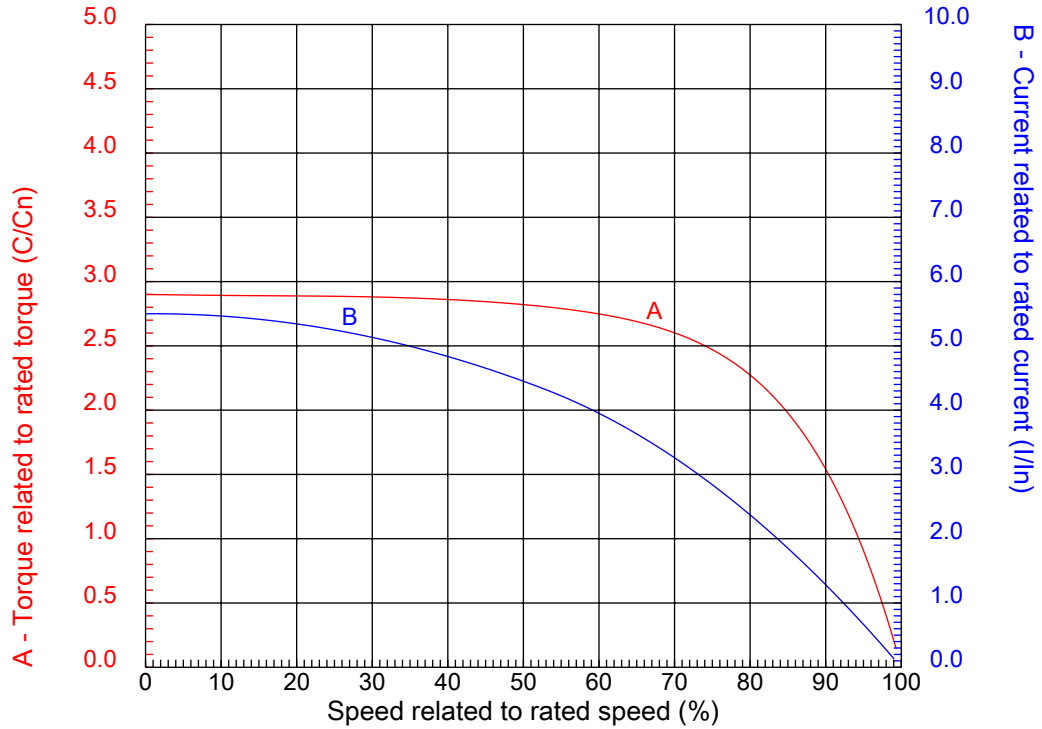
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



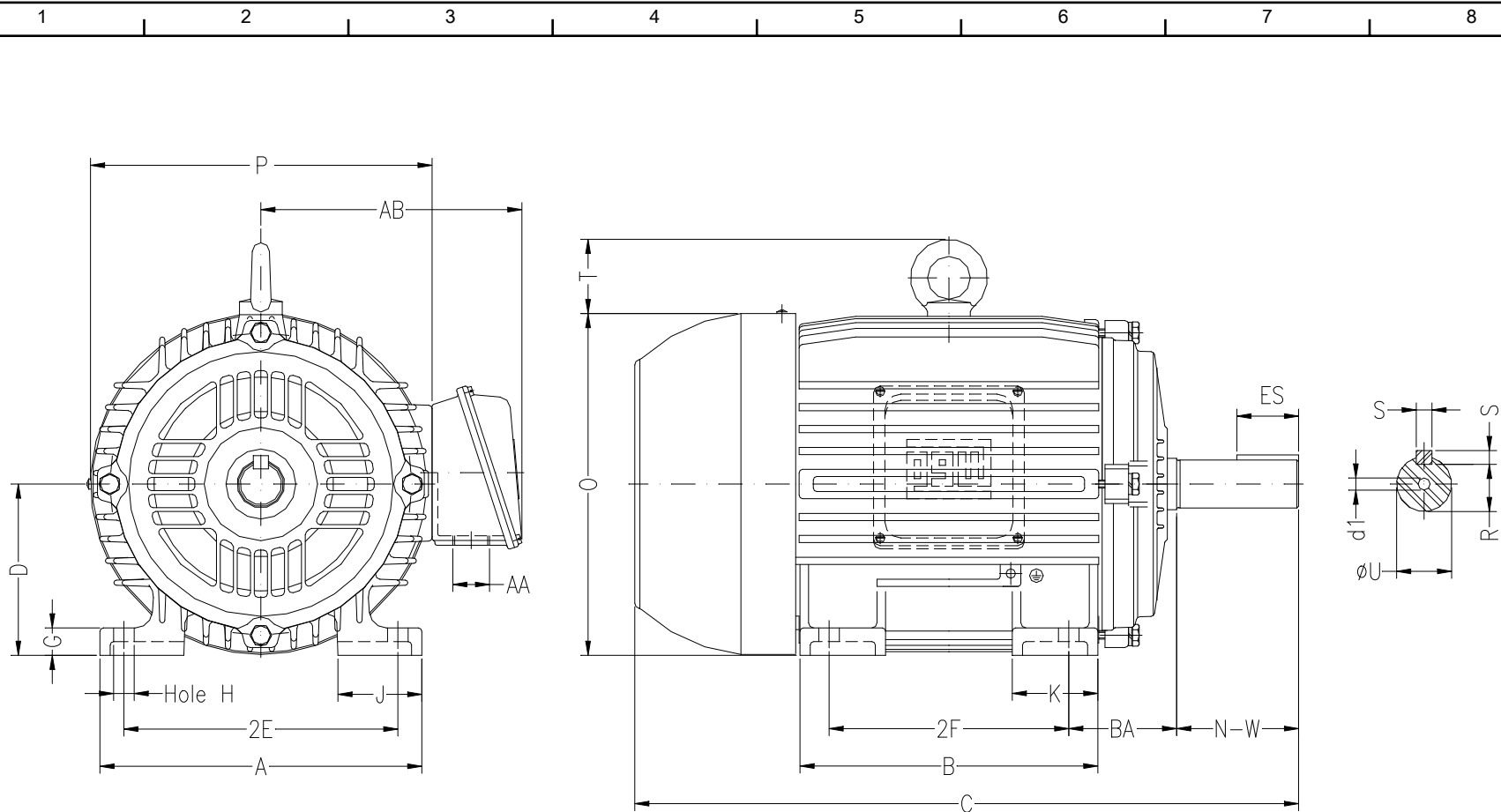
Customer :
Product line : Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Frame	: 365T	Locked rotor current (I _l /I _n)	: 5.5
Output	: 40 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1130 rpm	Design	: D
Voltage	: 208-230/460 V	Locked rotor torque	: 290 %
Rated current	: 116-105/52.5 A	Breakdown torque	: 247 %
Insulation class	: F		

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Customer:

Oil Well Pumping : High Slip - NEMA Design "D" - TEFC (IP55)

Three-phase induction motor
 Frame 365T - IP55

23-SEP-2016



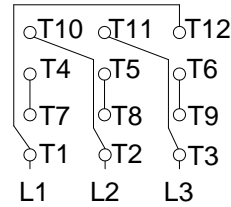
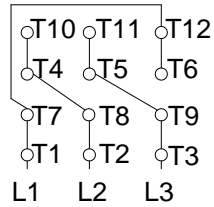
2E 14.016	A 17.165	2F 11.260/12.244	B 15.394	BA 5.875
J 3.150	K 4.134	P 18.740	ES 4.330	depth 0.625
S 0.625	N-W 5.874	U 2.375	R 2.019	AB 16.380
D 9.000	G 1.480	O 18.502	T 2.795	H 0.657
C 33.709	AA NPT 3"	d1 DUNC 3/4"-10	d2 DUNC 3/4"-10	

1 2 3 4 5 6 7 8

A
B
C
D
E
F

LOW VOLTAGE

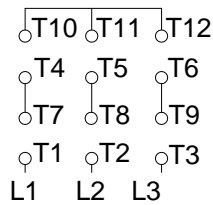
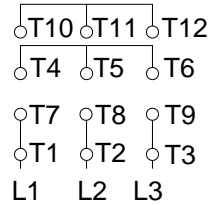
HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Frame 365T - IP55

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