



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

Customer :

## TECHNICAL PROPOSAL

### Three-phase induction motor - Squirrel cage rotor

Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Catalog Number : 07518OT3E365T

List Price : \$5,658

#### Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #07518OT3E365T

Performed by:

Checked:



# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame : 365T  
 Output : 75 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1780 rpm  
 Slip : 1.11 %  
 Voltage : 208-230/460 V  
 Rated current : 189-167/83.5 A  
 Locked rotor current : 1120/559 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.7  
 No-load current : 54.0/27.0 A  
 Full load torque : 218 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 260 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 14 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 648 lb  
 Moment of inertia : 19.514 sq.ft.lb  
 Noise level : 68 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.87	95.0
75%	0.84	95.0
50%	0.76	94.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #07518OT3E365T

Performed by

Checked



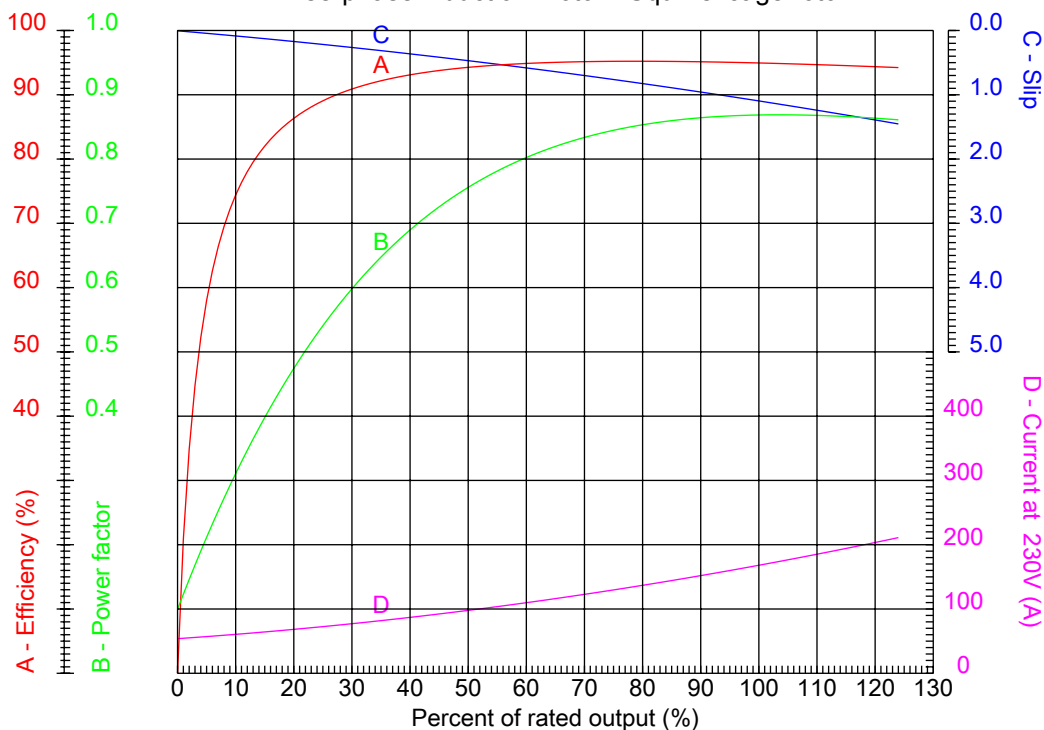
# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame	: 365T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.7
Output	: 75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 189-167/83.5 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #07518OT3E365T

Performed by

Checked



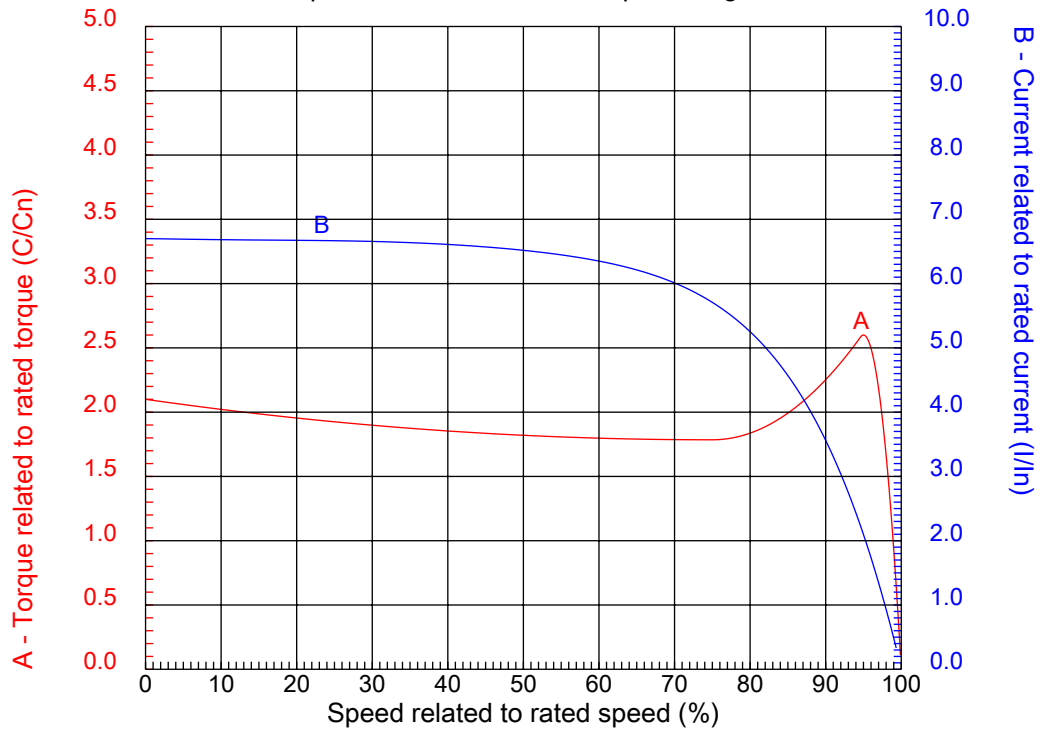
# Dealers Industrial Equipment

No.:

Date: 27-SEP-2016

## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : ODP – Open Induction Motors – NEMA Premium Efficiency

Frame	: 365T	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.7
Output	: 75 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1780 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 189-167/83.5 A	Breakdown torque	: 260 %
Insulation class	: F		

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #07518OT3E365T

Performed by

Checked



Notes: Downloaded from <http://dealerselectric.com>  
 Generated for Model #07518OT3E365T

Performed by:

Checked:

Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

Three-phase induction motor  
 Frame 365T - IP23

27-SEP-2016



2E 14.000	J 3.150	A 17.170	P 17.874	AB 16.378
2F 11.250/12.250	K 4.140	B 15.400	BA 5.875	U 2.375
d1 DUNC 3/4"-10	N-W 5.874	ES 4.330	S 0.625	R 2.019
depth 0.625	D 9.000	G 1.480	O 18.425	T 2.795
H 0.657	C 29.764	AA NPT 3"		

1 2 3 4 5 6 7 8

A

LOW VOLTAGE

HIGH VOLTAGE

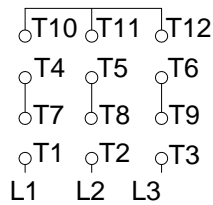
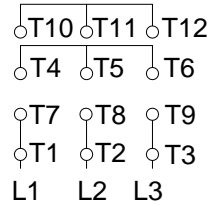


B

CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



C

D

E

F

Notes: Downloaded from <http://dealerselectric.com>  
Generated for Model #07518OT3E365T

Performed by:

Checked:

Customer:

ODP – Open Induction Motors – NEMA Premium Efficiency

Three-phase induction motor  
Frame 365T - IP23

27-SEP-2016

