



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

## TECHNICAL PROPOSAL

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

Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Catalog Number : 00518OT3H184JM

List Price : \$849

#### Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #00518OT3H184JM

Performed by:

Checked:



# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

## DATA SHEET

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

Customer :  
 Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame : 184JM  
 Output : 5 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1755 rpm  
 Slip : 2.50 %  
 Voltage : 575 V  
 Rated current : 5.13 A  
 Locked rotor current : 37.4 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.3  
 No-load current : 2.40 A  
 Full load torque : 14.8 lb.ft  
 Locked rotor torque : 210 %  
 Breakdown torque : 290 %  
 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 : IP21  
 Approximate weight : 62 lb  
 Moment of inertia : 0.34954 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.
Bearings	6207 ZZ	6205 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.81	89.5
75%	0.75	89.5
50%	0.63	88.5

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00518OT3H184JM

Performed by

Checked



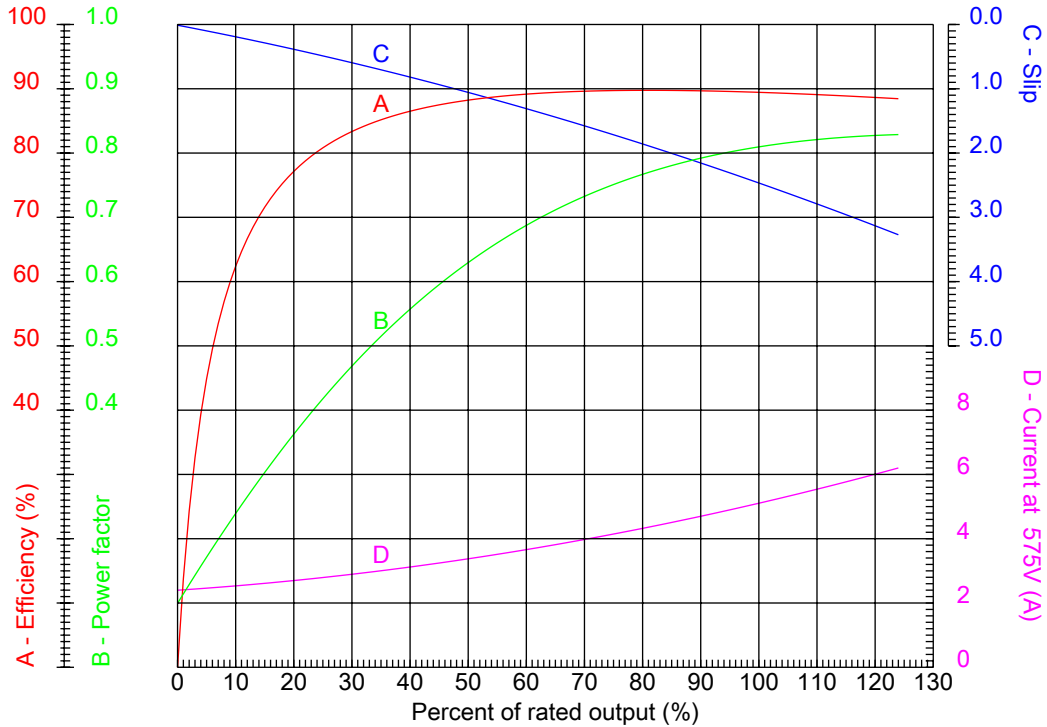
# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame	: 184JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.3
Output	: 5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1755 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 210 %
Rated current	: 5.13 A	Breakdown torque	: 290 %
Insulation class	: F		

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #00518OT3H184JM

Performed by

Checked



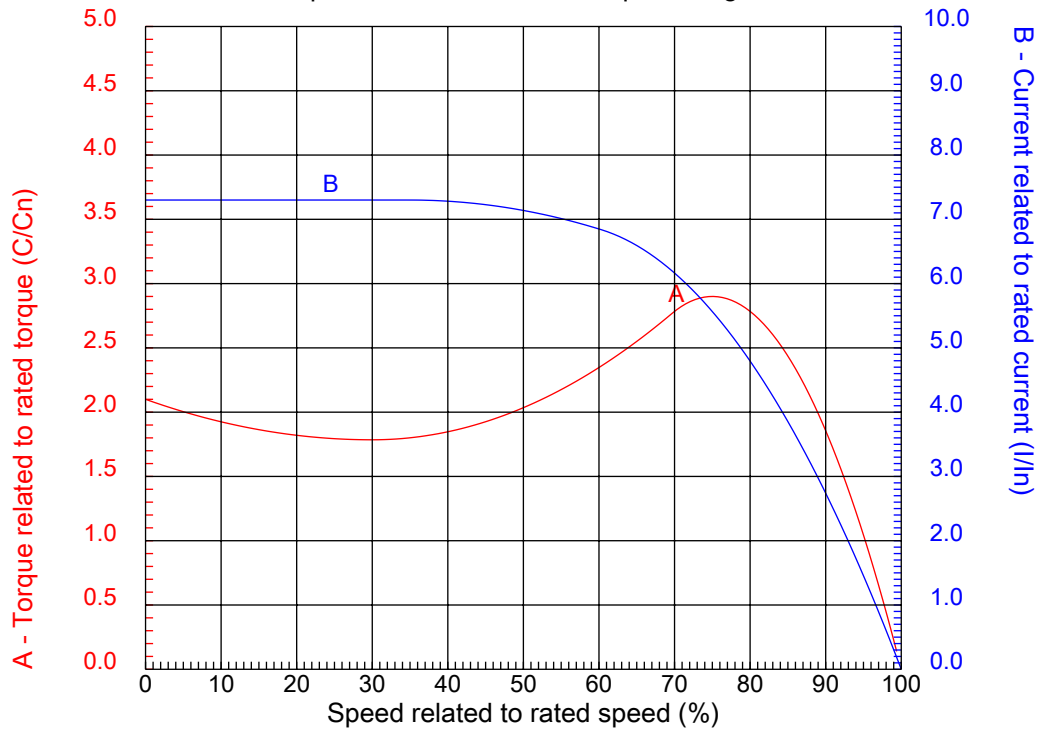
# Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame	: 184JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.3
Output	: 5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1755 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 210 %
Rated current	: 5.13 A	Breakdown torque	: 290 %
Insulation class	: F		

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #00518OT3H184JM

Performed by

Checked

1 2 3 4 5 6 7 8

A

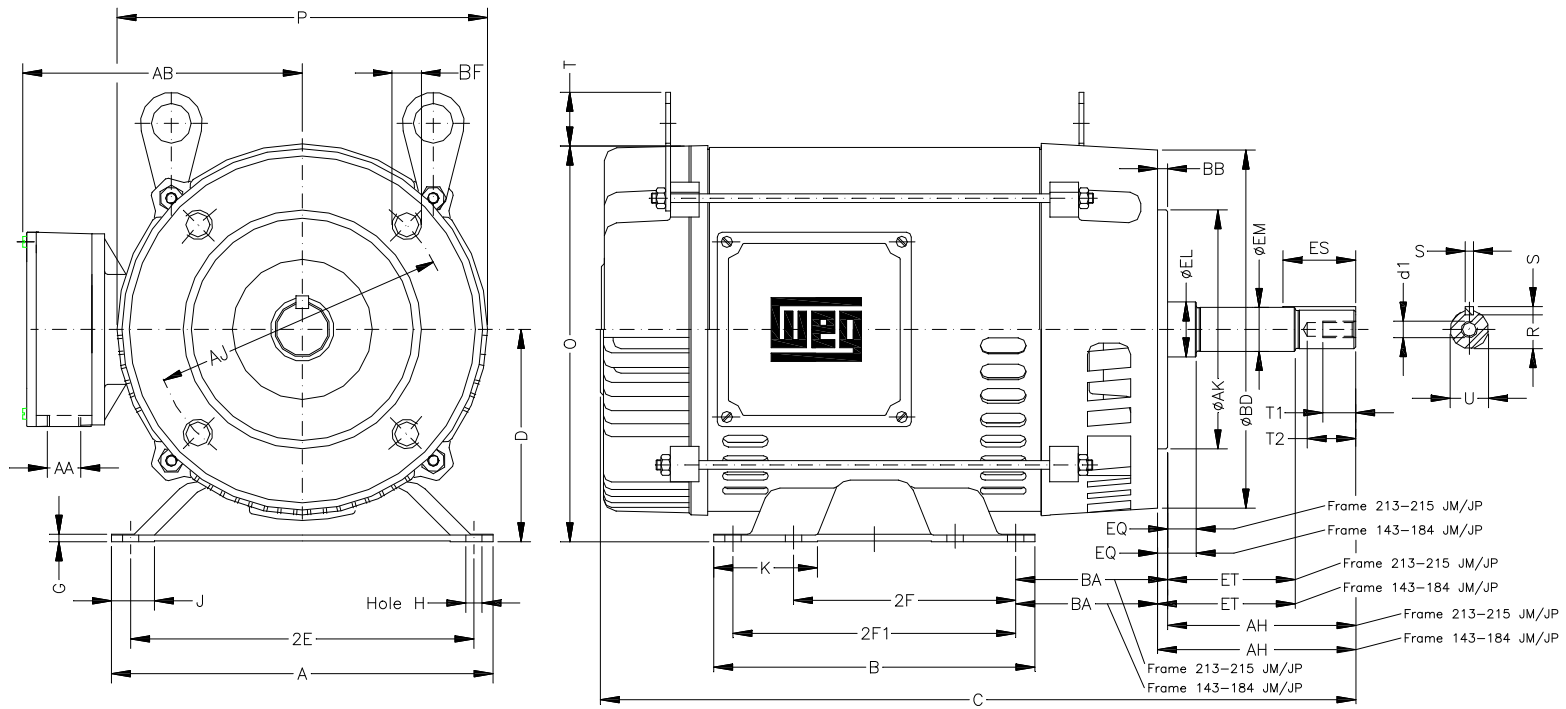
B

C

D

E

F



Notes: Downloaded from <http://dealerselectric.com>  
Generated for Model #005180T3H184JM

2E	A	2F	B	J
7.500	8.661	4.500/5.500	6.299	1.171
BA	D	K	G	O
2.750	4.500	1.988	0.187	8.307
P	T	AB	H	AA
7.637	1.614	6.574	0.406	NPT 3/4"
EQ	ET	U	EM	EL
0.630	2.880	0.874	1.000	1.250
S	EP	R	d1	ES
0.187	1.376	0.767	EUNC 3/8"-16	1.575
t1	t2	C	CH	Flange
0.748	1.102	15.315	1.220	FC-149
AJ	AK	BD	BF	BB
5.874	4.500	6.496	UNC 3/8"x16	0.157
AH				
4.258				

Performed by:

Checked:

Customer:

Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Three-phase induction motor  
Frame 184JM - IP21

13-SEP-2016



1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

### RUN



### ONLY FOR START



Notes: Downloaded from <a href="http://dealerselectric.com">http://dealerselectric.com</a> Generated for Model #00518OT3H184JM		
Performed by:		
Checked:		
Customer:		
Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium		
Three-phase induction motor Frame 184JM - IP21	13-SEP-2016	