



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC -  
NEMA Premium Efficiency  
Catalog Number : 02536ET3E256JM-S  
List Price : \$3,231

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #02536ET3E256JM-S

Performed by:

Checked:



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC - NEMA Premium Efficiency

Frame : 254/6JM  
 Output : 25 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3530 rpm  
 Slip : 1.94 %  
 Voltage : 208-230/460 V  
 Rated current : 63.0-57.0/28.5 A  
 Locked rotor current : 473/237 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.3  
 No-load current : 20.1/10.0 A  
 Full load torque : 36.7 lb.ft  
 Locked rotor torque : 240 %  
 Breakdown torque : 340 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 8 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 221 lb  
 Moment of inertia : 1.3078 sq.ft.lb  
 Noise level : 75 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6309 Z-C3	6208 Z-C3	100%	0.89	91.7
Regreasing interval	15797 h	20000 h	75%	0.85	91.7
Grease amount	13 g	8 g	50%	0.77	91.0

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02536ET3E256JM-S

Performed by

Checked



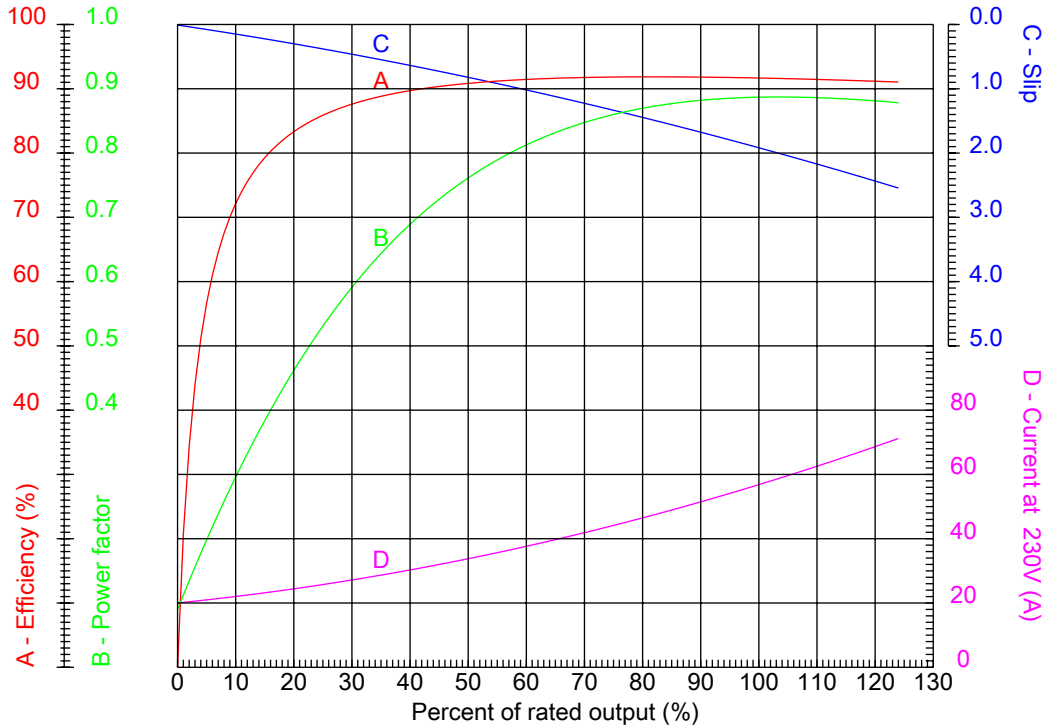
# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC - NEMA Premium Efficiency

Frame	: 254/6JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 8.3
Output	: 25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3530 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 63.0-57.0/28.5 A	Breakdown torque	: 340 %
Insulation class	: F		

Notes:  
 Downloaded from <http://dealerselectric.com>  
 Generated for Model #02536ET3E256JM-S

Performed by

Checked



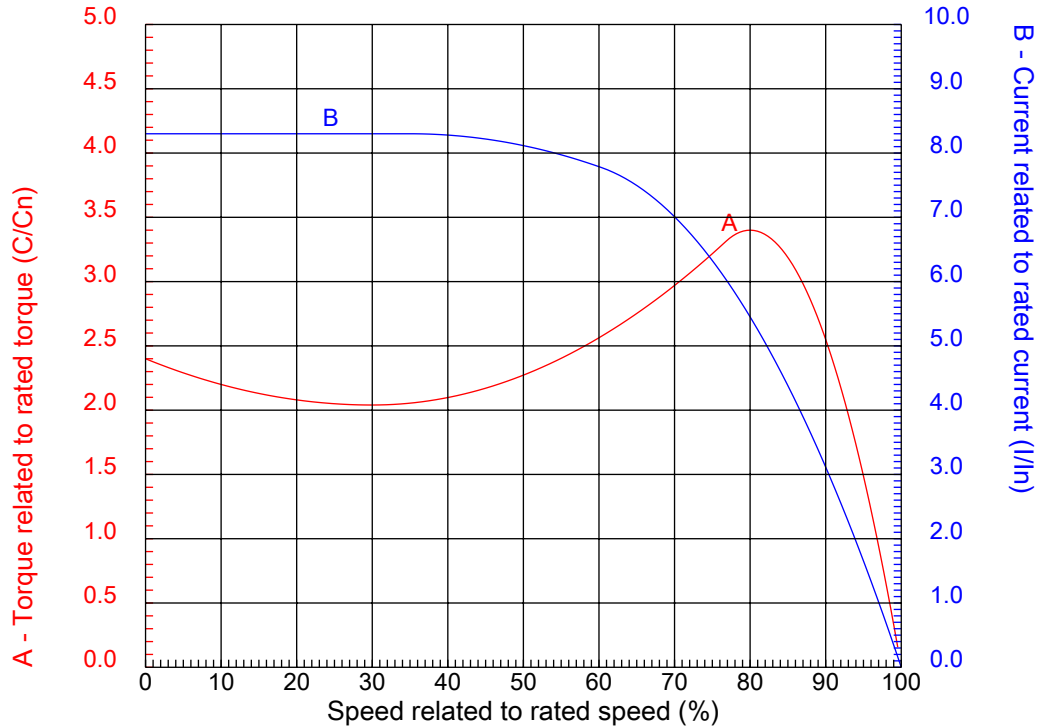
# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC - NEMA Premium Efficiency

Frame	: 254/6JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 8.3
Output	: 25 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3530 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 63.0-57.0/28.5 A	Breakdown torque	: 340 %
Insulation class	: F		

Notes:  
Downloaded from <http://dealerselectric.com>  
Generated for Model #02536ET3E256JM-S

Performed by

Checked

1 2 3 4 5 6 7 8

A

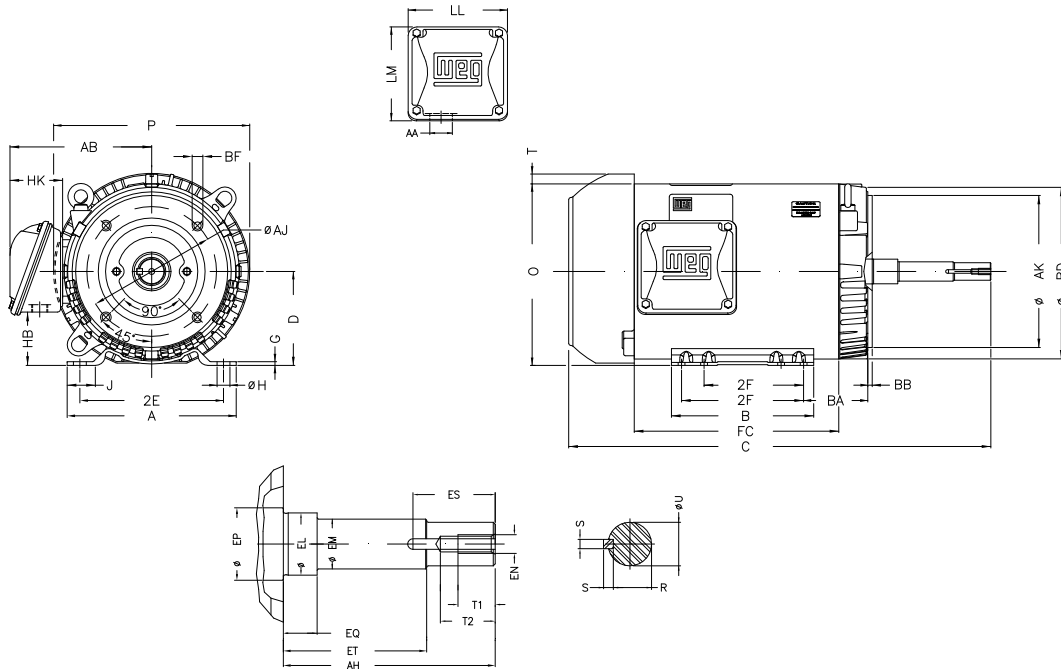
B

C

D

E

F



Notes: Downloaded from <http://dealerselectric.com>  
Generated for Model #02536ET3E256JM-S

2E 10.000	J 1.693	A 11.417	P 13.180	AB 9.448
2F 8.252/10.000	B 11.417	BA 4.750	D 6.250	G 0.187
O 12.010	T 0.830	H 0.530	AA 1.732"	ER 5.250
EQ 0.630	ET 3.006	U 1.249	EM 1.375	EL 1.750
EP 1.769	ES 2.559	t1 1.024	t2 1.496	C 24.843
CH 1.929	FC 13.780	Flange FC-184	AJ 7.250	AK 8.500
BD 11.084	BF UNC 1/2"x13	BB 0.250	AH 5.250	

Performed by:

Checked:

Customer:

Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC -

Three-phase induction motor  
Frame 254/6JM - IP55

23-SEP-2016



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



Notes: Downloaded from <http://dealerselectric.com>  
Generated for Model #02536ET3E256JM-S

Performed by:

Checked:

Customer:

Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JM" Type - TEFC -

Three-phase induction motor  
Frame 254/6JM - IP55

23-SEP-2016

