Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line	: Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency
Catalog Number	: 01012ET3E256TC-S
List Price	: $2,148

Notes:

Generated for Model #01012ET3E256TC-S

Performed by:	Checked:

Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

DATA SHEET
Three-phase induction motor - Squirrel cage rotor

Customer	:	
Product line	:	Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency

Frame	:	254/6T
Output	:	10 HP
Frequency	:	60 Hz
Poles	:	6
Full load speed	:	1175 rpm
Slip	:	2.08 %
Voltage	:	208-230/460 V
Rated current	:	30.5-27.6/13.8 A
Locked rotor current	:	149/74.5 A
Locked rotor current (Il/In)	:	5.4
No-load current	:	14.2/7.12 A
Full load torque	:	44.1 lb.ft
Locked rotor torque	:	210 %
Breakdown torque	:	230 %
Design	:	B
Insulation class	:	F
Temperature rise	:	80 K
Locked rotor time	:	30 s (hot)
Service factor	:	1.15
Duty cycle	:	S1
Ambient temperature	:	-20°C - +40°C
Altitude	:	1000 m
Degree of Protection	:	IP55
Approximate weight	:	234 lb
Moment of inertia	:	2.8317 sq.ft.lb
Noise level	:	59 dB(A)

	D.E.	N.D.E.
Bearings	6309 Z-C3	6208 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	8 g

Load	Power factor	Efficiency (%)
100%	0.75	91.0
75%	0.69	91.0
50%	0.57	90.2

Notes:

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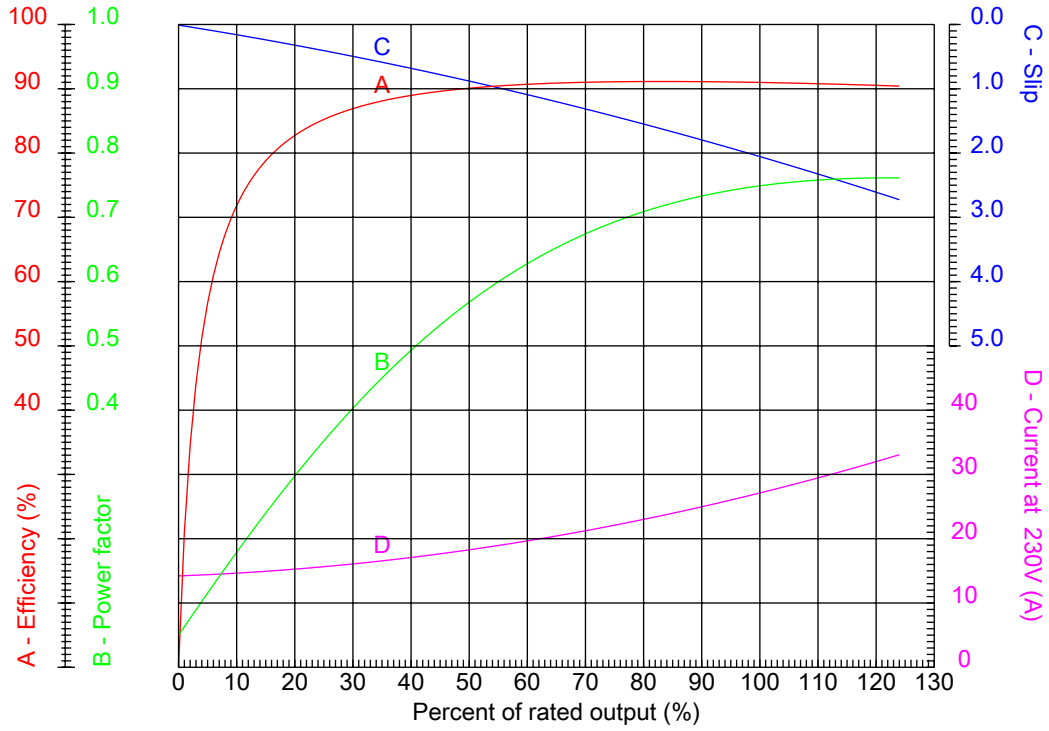
PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer	:		
Product line	:	Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency	

Frame	: 254/6T	Locked rotor current (Il/In)	: 5.4
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1175 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 30.5-27.6/13.8 A	Breakdown torque	: 230 %
Insulation class	: F		

Notes:
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Performed by	Checked

Dealers Industrial Equipment

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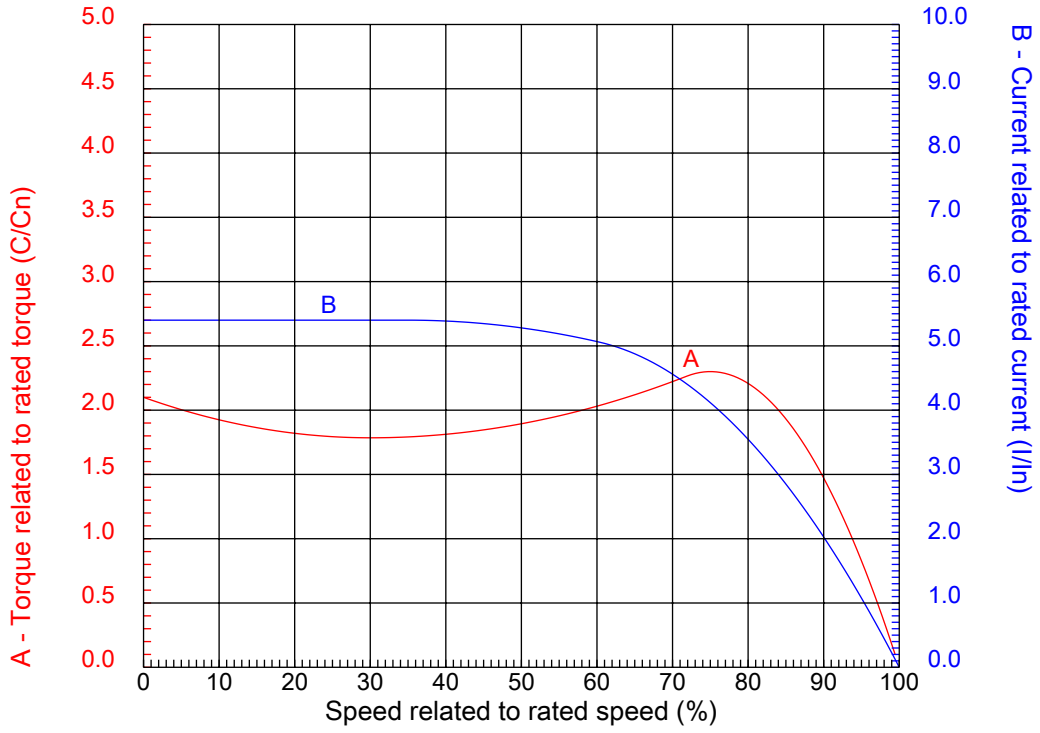
Date: 13-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



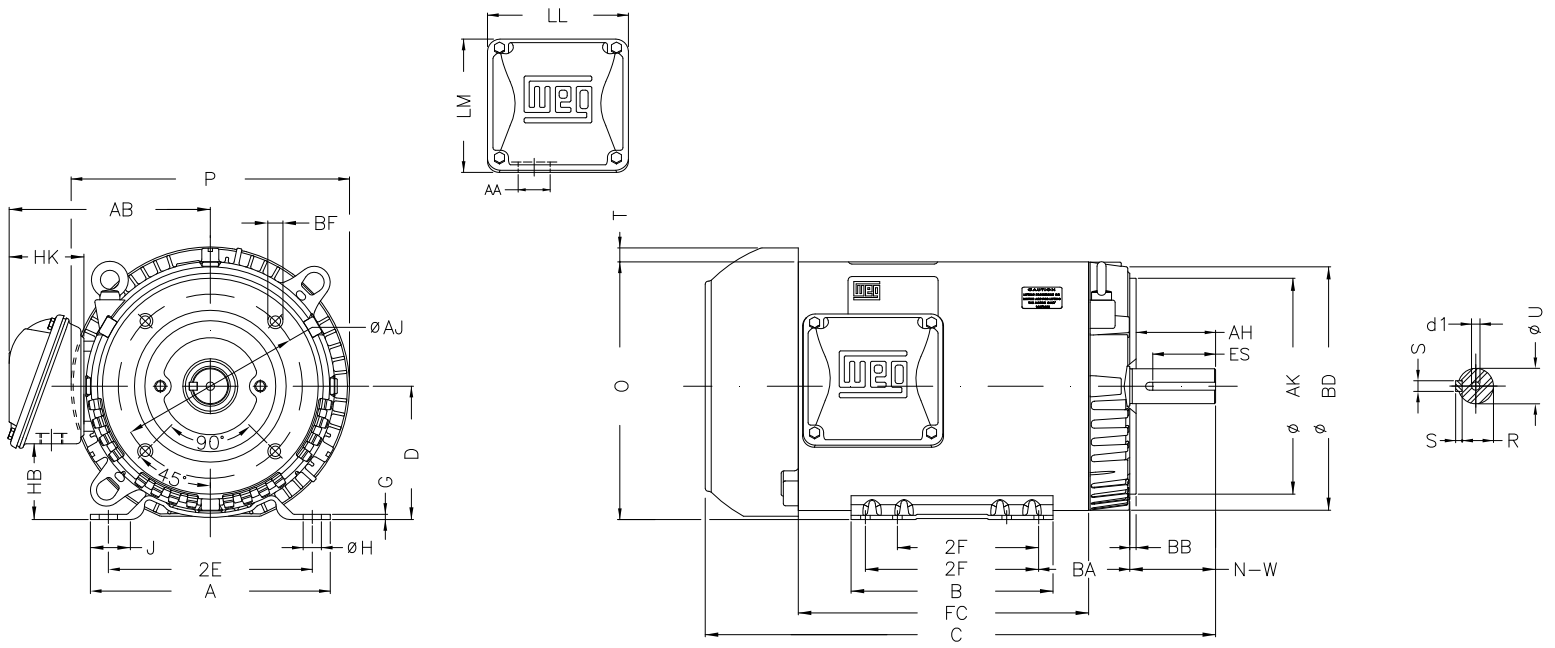
Customer	:
Product line	: Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency

Frame	: 254/6T	Locked rotor current (Il/In)	: 5.4
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1175 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 30.5-27.6/13.8 A	Breakdown torque	: 230 %
Insulation class	: F		

Notes:

Generated for Model #01012ET3E256TC-S

Performed by	Checked



Notes: Downloaded from http://dealerselectric.com
Generated for Model #01012ET3E256TC-S

P 13.180	AB 9.448	J 1.693	2E 10.000	A 11.417
H 0.530	G 0.187	HB 3.631	HK 3.645	T 0.830
O 12.010	FC 13.780	2F 8.252/10.000	B 11.417	C 23.346
BA 4.750	N-W 4.000	ES 2.756	d1 A 4	S 0.375
U 1.625	AA 1.732"	depth 0.375	R 1.416	LL 6.299
LM 6.017	D 6.250	CH 1.929	Flange FC-184	AJ 7.250
AK 8.500	BD 11.084	BF UNC 1/2"x13	BB 0.250	AH 3.750

Performed by:

Checked:

Customer:

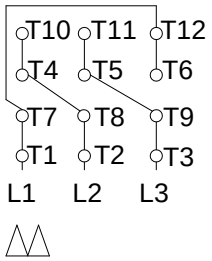
Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency

Three-phase induction motor

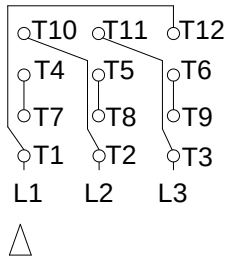
Frame 254/6T - IP55

13-SEP-2016

LOW VOLTAGE

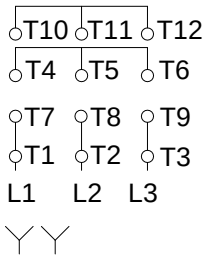


HIGH VOLTAGE

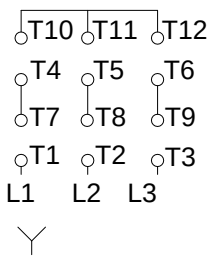


CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE



HIGH VOLTAGE



Performed by:

Checked:

Customer:

Three Phase: W01 (Rolled Steel) - TEFC - NEMA Premium Efficiency

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

13-SEP-2016