



## Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

### TECHNICAL PROPOSAL

## Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Catalog Number : 01112ET3Y160L-W22

List Price : \$3,160

#### Notes:

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## Dealers Industrial Equipment

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### DATA SHEET

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

Customer :  
Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 160L  
Output : 15 HP  
Frequency : 60 Hz  
Poles : 6  
Full load speed : 1180 rpm  
Slip : 1.67 %  
Voltage : 460 V  
Rated current : 18.8 A  
Locked rotor current : 141 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.5  
No-load current : 9.78 A  
Full load torque : 65.9 lb.ft  
Locked rotor torque : 280 %  
Breakdown torque : 340 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 20 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 315 lb  
Moment of inertia : 3.7493 sq.ft.lb  
Noise level : 59 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.80	91.7
75%	0.73	90.2
50%	0.61	88.5

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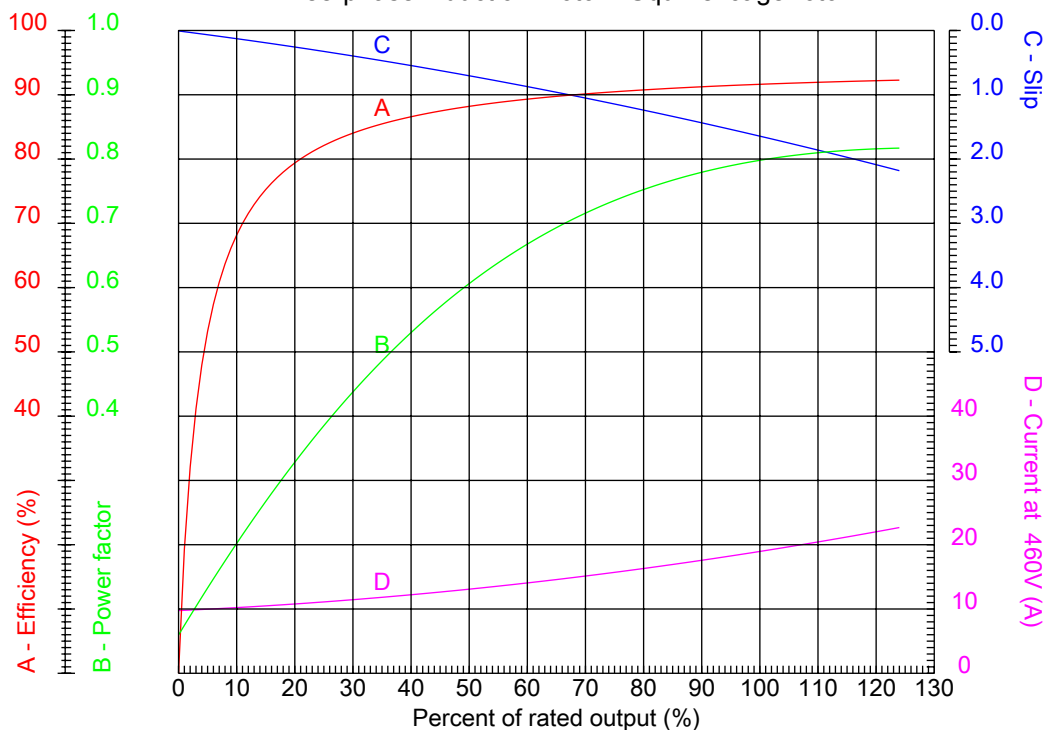
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### PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame	: 160L	Locked rotor current (I <sub>L</sub> /I <sub>n</sub> )	: 7.5
Output	: 15 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1180 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 280 %
Rated current	: 18.8 A	Breakdown torque	: 340 %
Insulation class	: F		

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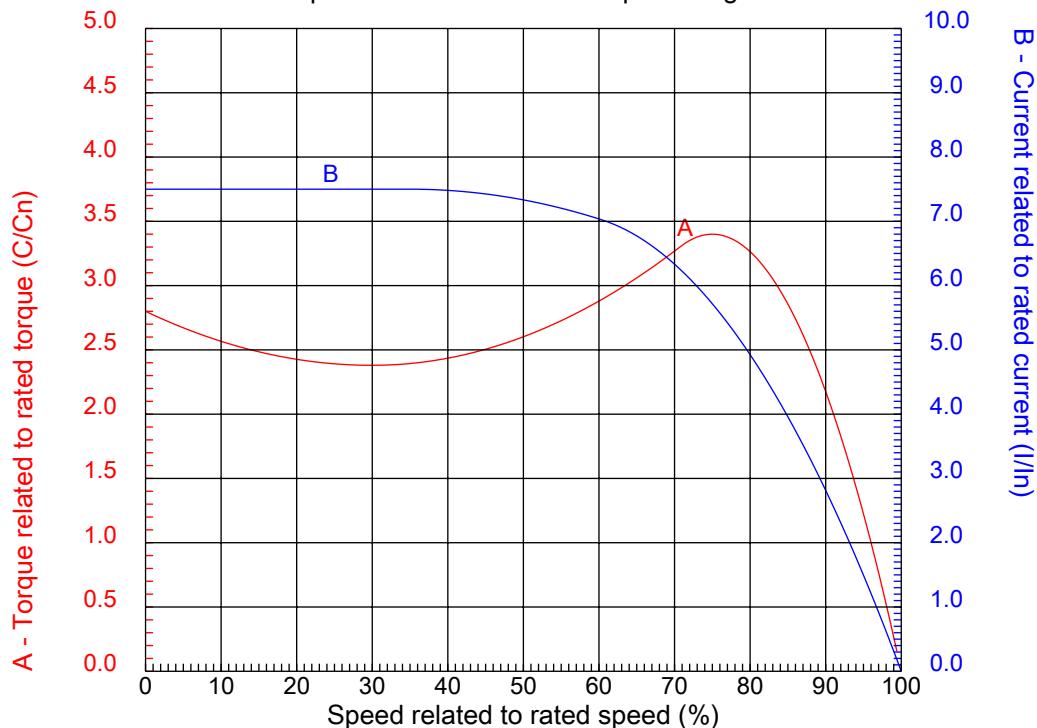
## Dealers Industrial Equipment

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### CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



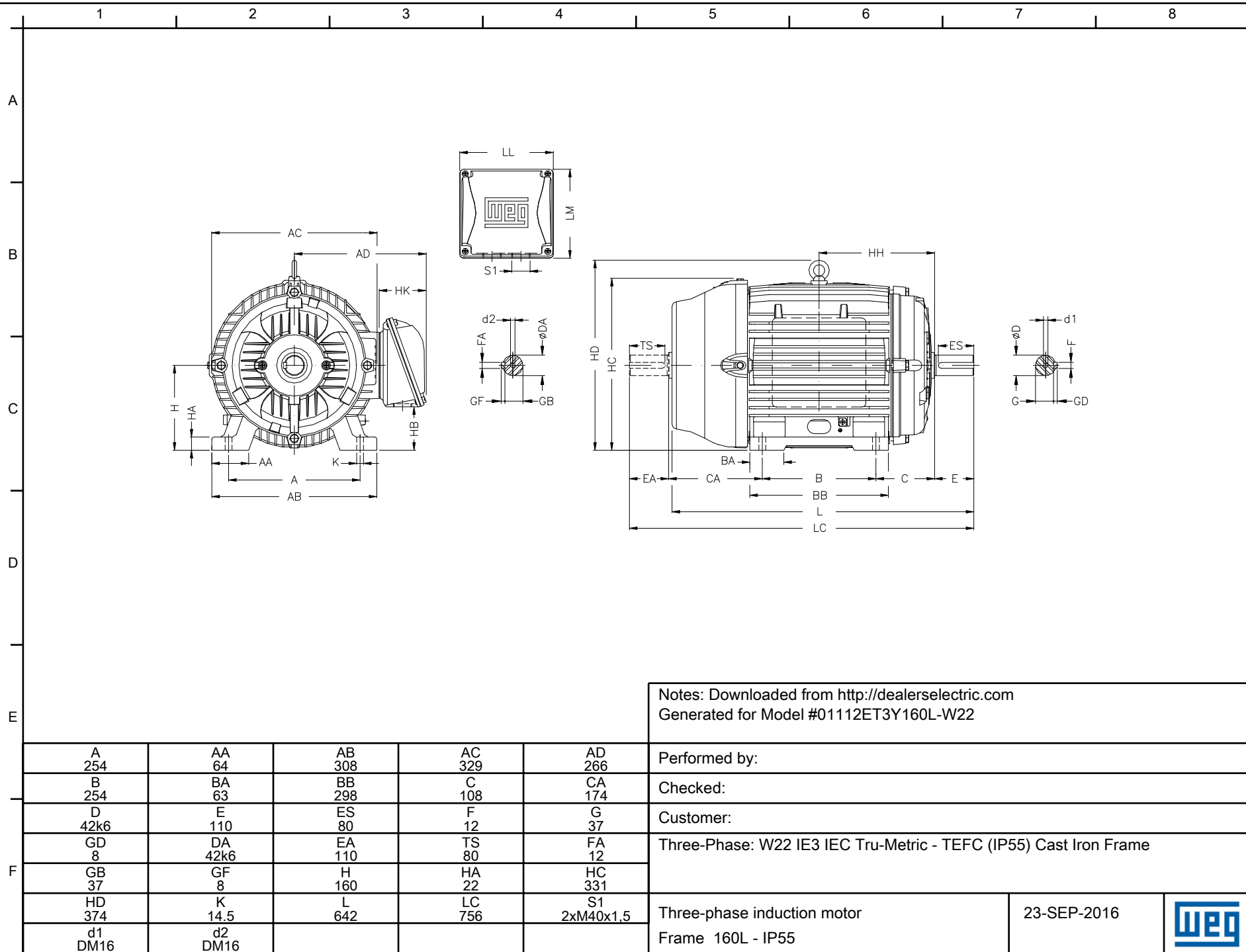
Customer :  
Product line : Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame	: 160L	Locked rotor current (I <sub>L</sub> /I <sub>n</sub> )	: 7.5
Output	: 15 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1180 rpm	Design	: ---
Voltage	: 460 V	Locked rotor torque	: 280 %
Rated current	: 18.8 A	Breakdown torque	: 340 %
Insulation class	: F		

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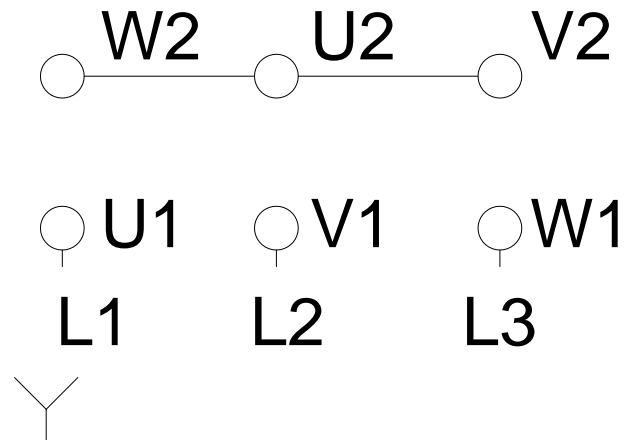
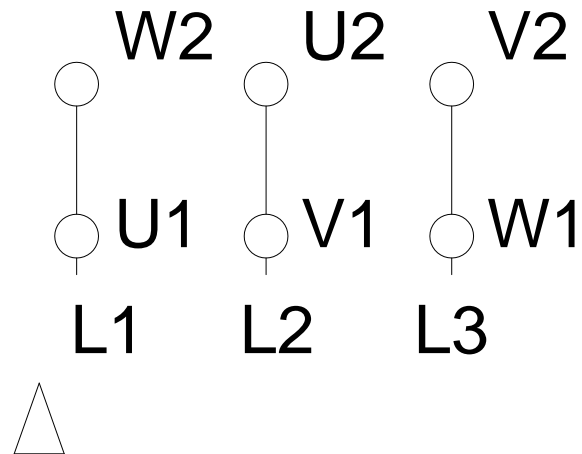
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# LOW VOLTAGE

# HIGH VOLTAGE



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Customer:

Three-Phase: W22 IE3 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Three-phase induction motor  
Frame 160L - IP55

23-SEP-2016

