	Dealers Industrial Equipment	No.:
		Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line	:	Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame
Catalog Number	:	00152ET3WAL100L
List Price	:	$812

Notes:

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Performed by:	Checked:

Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

DATA SHEET
Three-phase induction motor - Squirrel cage rotor

Customer	:	
Product line	:	Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame

Frame	:	100L
Output	:	2 HP
Frequency	:	60 Hz
Poles	:	6
Full load speed	:	1155 rpm
Slip	:	3.75 %
Voltage	:	460 V
Rated current	:	3.15 A
Locked rotor current	:	19.8 A
Locked rotor current (Il/In)	:	6.3
No-load current	:	2.08 A
Full load torque	:	8.97 lb.ft
Locked rotor torque	:	250 %
Breakdown torque	:	320 %
Design	:	N
Insulation class	:	F
Temperature rise	:	80 K
Locked rotor time	:	31 s (hot)
Service factor	:	1.25
Duty cycle	:	S1
Ambient temperature	:	-20°C - +40°C
Altitude	:	1000 m
Degree of Protection	:	IP55
Approximate weight	:	71 lb
Moment of inertia	:	0.33934 sq.ft.lb
Noise level	:	44 dB(A)

	D.E.	N.D.E.
Bearings	6206 ZZ	6205 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.69	86.5
75%	0.61	85.5
50%	0.48	82.5

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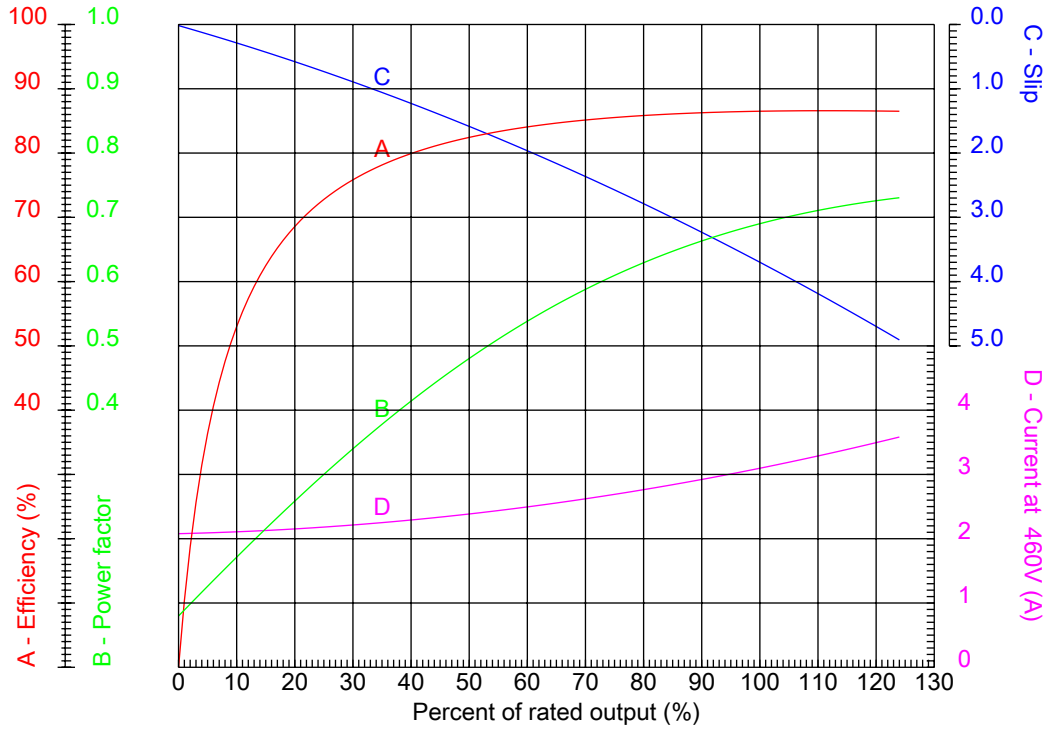
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer	:	
Product line	:	Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame

Frame	: 100L	Locked rotor current (Il/In)	: 6.3
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.25
Full load speed	: 1155 rpm	Design	: N
Voltage	: 460 V	Locked rotor torque	: 250 %
Rated current	: 3.15 A	Breakdown torque	: 320 %
Insulation class	: F		

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Performed by	Checked

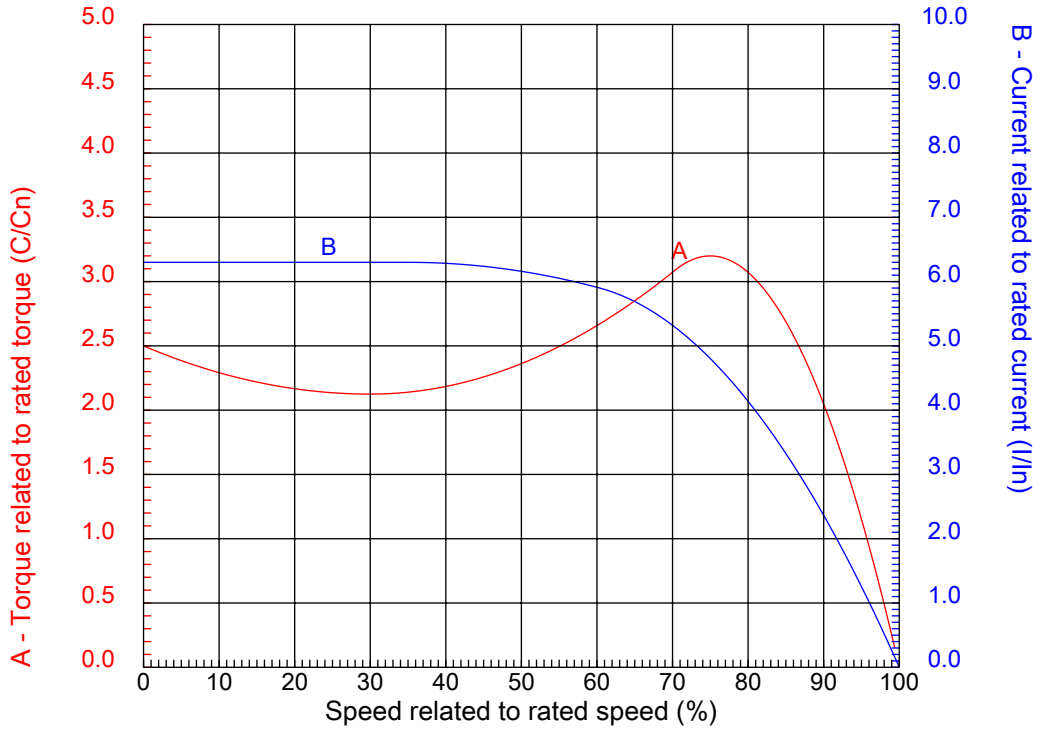
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer	:	
Product line	:	Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum Frame

Frame	:	100L	Locked rotor current (Il/In)	:	6.3
Output	:	2 HP	Duty cycle	:	S1
Frequency	:	60 Hz	Service factor	:	1.25
Full load speed	:	1155 rpm	Design	:	N
Voltage	:	460 V	Locked rotor torque	:	250 %
Rated current	:	3.15 A	Breakdown torque	:	320 %
Insulation class	:	F			

Notes:
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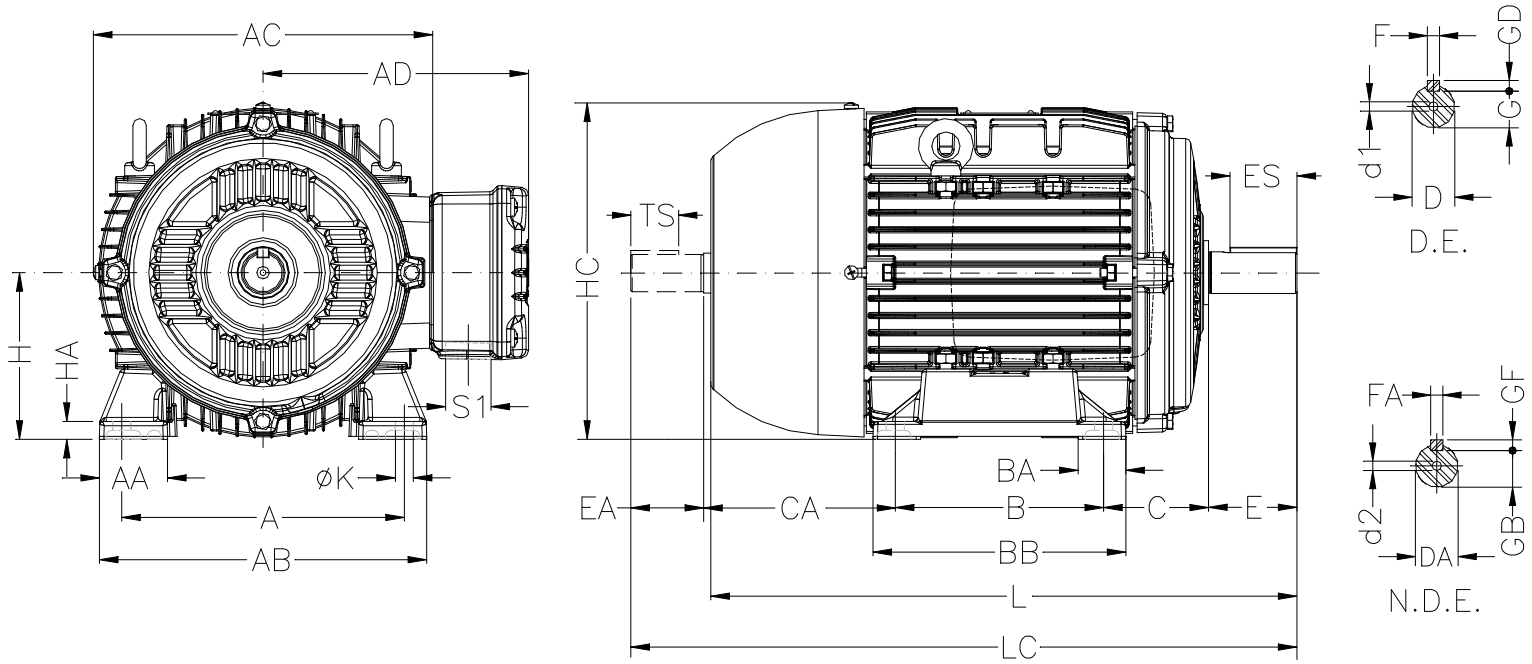
Performed by	Checked



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A 160	AA 40	AB 196	AC 200	AD 165
B 140	BA 30	BB 170	C 63	CA 118
D 28j6	E 60	ES 45	F 8	G 24
GD 7	DA 22j6	EA 50	TS 36	FA 6
GB 18.5	GF 6	H 100	HA 12	HC 198
HD 260	K 12	L 376	LC 431	d1 DM10
d2 DM8				

Performed by:

Checked:

Customer:

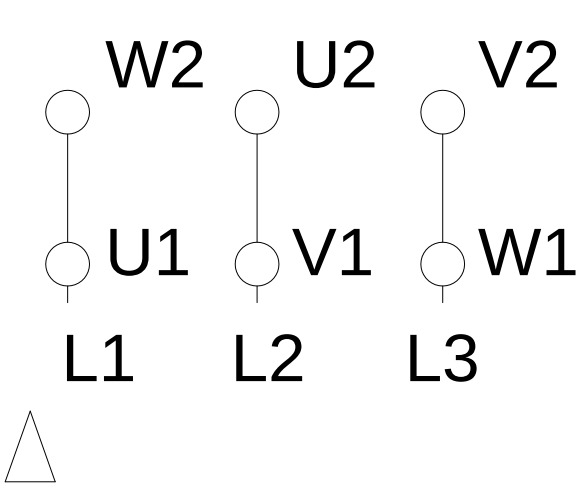
Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum

Three-phase induction motor

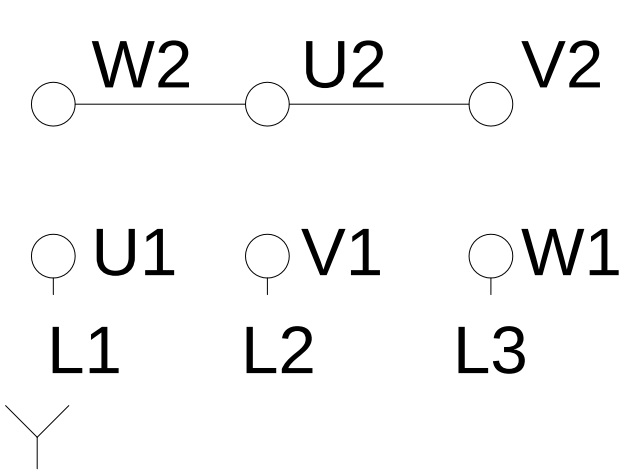
Frame 100L - IP55

12-SEP-2016

LOW VOLTAGE



HIGH VOLTAGE



Notes: Downloaded from http://dealerselectric.com Generated for Model #00152ET3WAL100L		
Performed by:		
Checked:		
Customer:		
Three-Phase: W21 IE3 IEC Tru-Metric - TEFC (IP55) Multi-Mounting Aluminum		
Three-phase induction motor Frame 100L - IP55	12-SEP-2016	