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

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line	:	Jet Pump: Three-Phase - W01 (Rolled Steel) - TEFC - Threaded - Premium Efficiency
Catalog Number	:	00156ET3EJP56J-S
List Price	:	$473

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	:	Jet Pump: Three-Phase - W01 (Rolled Steel) - TEFC - Threaded - Premium Efficiency

Frame	:	56J
Output	:	1.5 HP
Frequency	:	60 Hz
Poles	:	2
Full load speed	:	3520 rpm
Slip	:	2.22 %
Voltage	:	208-230/460 V
Rated current	:	4.14-3.74/1.87 A
Locked rotor current	:	34.0/17.0 A
Locked rotor current (Il/In)	:	9.1
No-load current	:	1.72/0.859 A
Full load torque	:	2.21 lb.ft
Locked rotor torque	:	230 %
Breakdown torque	:	300 %
Design	:	B
Insulation class	:	F
Temperature rise	:	80 K
Locked rotor time	:	17 s (hot)
Service factor	:	1.15
Duty cycle	:	S1
Ambient temperature	:	-20°C - +40°C
Altitude	:	1000 m
Degree of Protection	:	IP55
Approximate weight	:	34 lb
Moment of inertia	:	0.10228 sq.ft.lb
Noise level	:	68 dB(A)

	D.E.	N.D.E.
Bearings	6203 ZZ	6202 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.88	84.0
75%	0.82	82.5
50%	0.71	80.0

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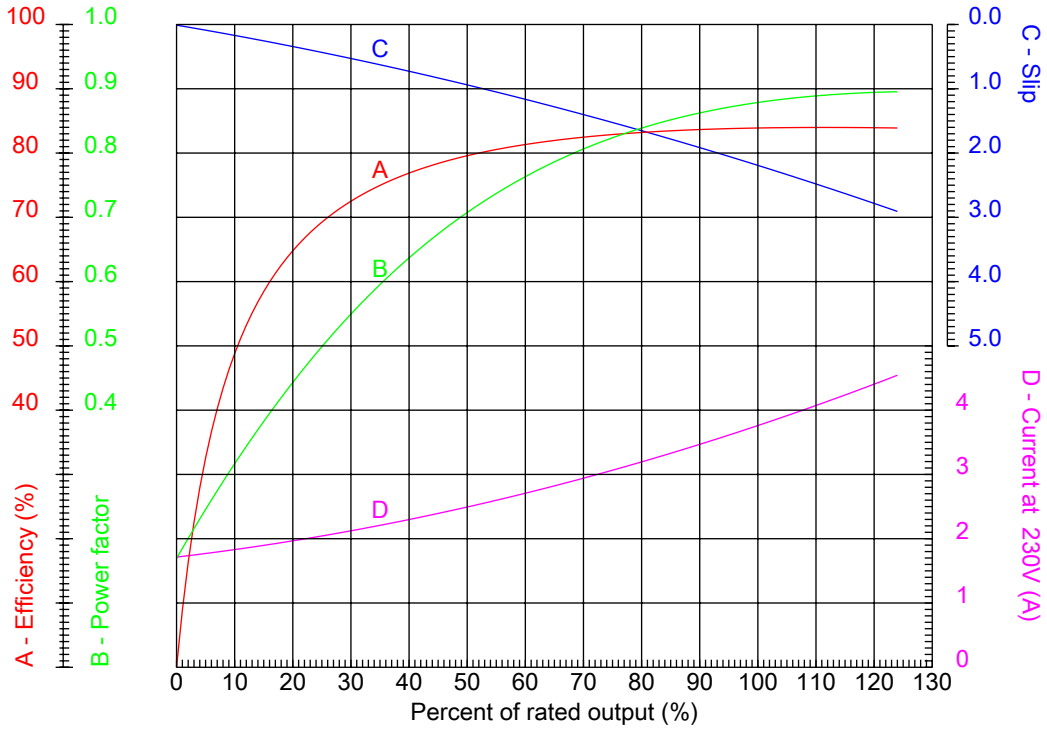
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer	:
Product line	: Jet Pump: Three-Phase - W01 (Rolled Steel) - TEFC - Threaded - Premium Efficiency

Frame	: 56J	Locked rotor current (Il/In)	: 9.1
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3520 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 4.14-3.74/1.87 A	Breakdown torque	: 300 %
Insulation class	: F		

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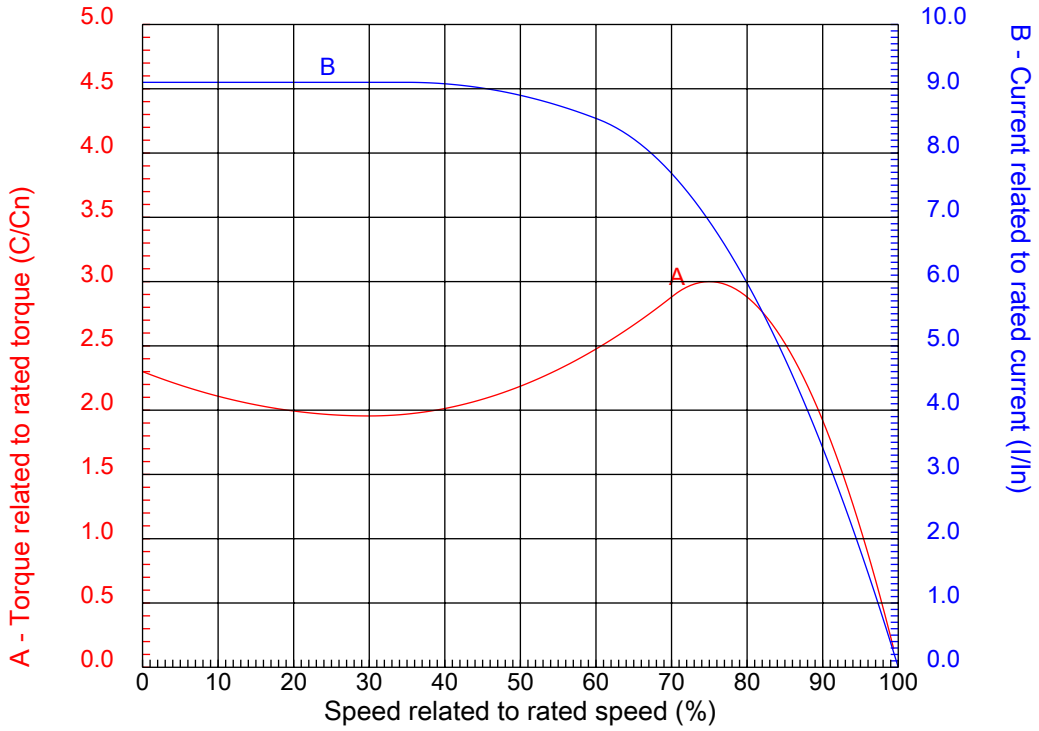
Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer	:	
Product line	:	Jet Pump: Three-Phase - W01 (Rolled Steel) - TEFC - Threaded - Premium Efficiency

Frame	:	56J	Locked rotor current (Il/In)	:	9.1
Output	:	1.5 HP	Duty cycle	:	S1
Frequency	:	60 Hz	Service factor	:	1.15
Full load speed	:	3520 rpm	Design	:	B
Voltage	:	208-230/460 V	Locked rotor torque	:	230 %
Rated current	:	4.14-3.74/1.87 A	Breakdown torque	:	300 %
Insulation class	:	F			

Notes:
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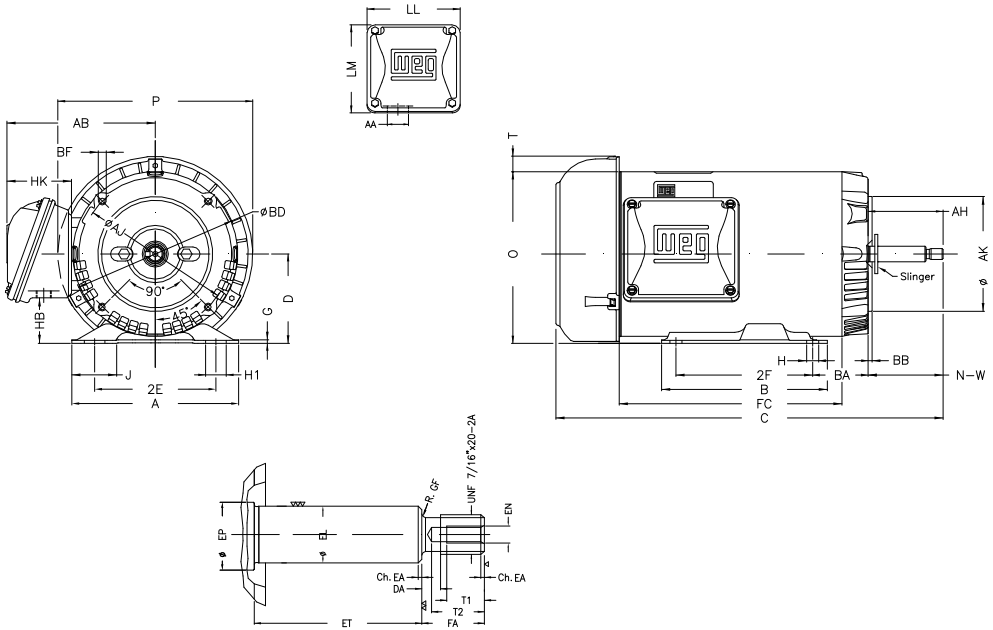
Performed by	Checked



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Performed by:

Checked:

Customer:

Jet Pump: Three-Phase - W01 (Rolled Steel) - TEFC - Threaded - Premium

2E 4.874	J 1.732	A 6.535	P 7.638	AB 5.882
2F 3.000	B 4.016	BA 2.559	D 3.500	G 0.120
O 6.724	T 0.603	H 0.343	AA 0.881"	ET 1.874
U 0.625	EL 0.625	EP 0.665	t1 0.472	t2 0.590
C 13.614	FC 7.480	Flange FC-149	AJ 5.874	AK 4.500
BD 6.450	BF UNC 3/8"x16-2B	BB 0.157	AH 2.562	

Three-phase induction motor
Frame 56J - IP55

12-SEP-2016