	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) - Threaded - ODP - Standard Efficiency
Catalog Number	:	00156OS3EJPR56J-S
List Price	:	$305

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) - Threaded - ODP - Standard Efficiency

Frame	:	56J
Output	:	1.5 HP
Frequency	:	60 Hz
Poles	:	2
Full load speed	:	3460 rpm
Slip	:	3.89 %
Voltage	:	208-230/460 V
Rated current	:	4.66-4.22/2.11 A
Locked rotor current	:	28.7/14.3 A
Locked rotor current (Il/In)	:	6.8
No-load current	:	2.20/1.10 A
Full load torque	:	2.25 lb.ft
Locked rotor torque	:	220 %
Breakdown torque	:	260 %
Design	:	A
Insulation class	:	F
Temperature rise	:	80 K
Locked rotor time	:	17 s (hot)
Service factor	:	1.30
Duty cycle	:	S1
Ambient temperature	:	-20°C - +40°C
Altitude	:	1000 m
Degree of Protection	:	ODP
Approximate weight	:	23 lb
Moment of inertia	:	0.06478 sq.ft.lb
Noise level	:	62 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.85	77.0
75%	0.78	77.0
50%	0.65	74.0

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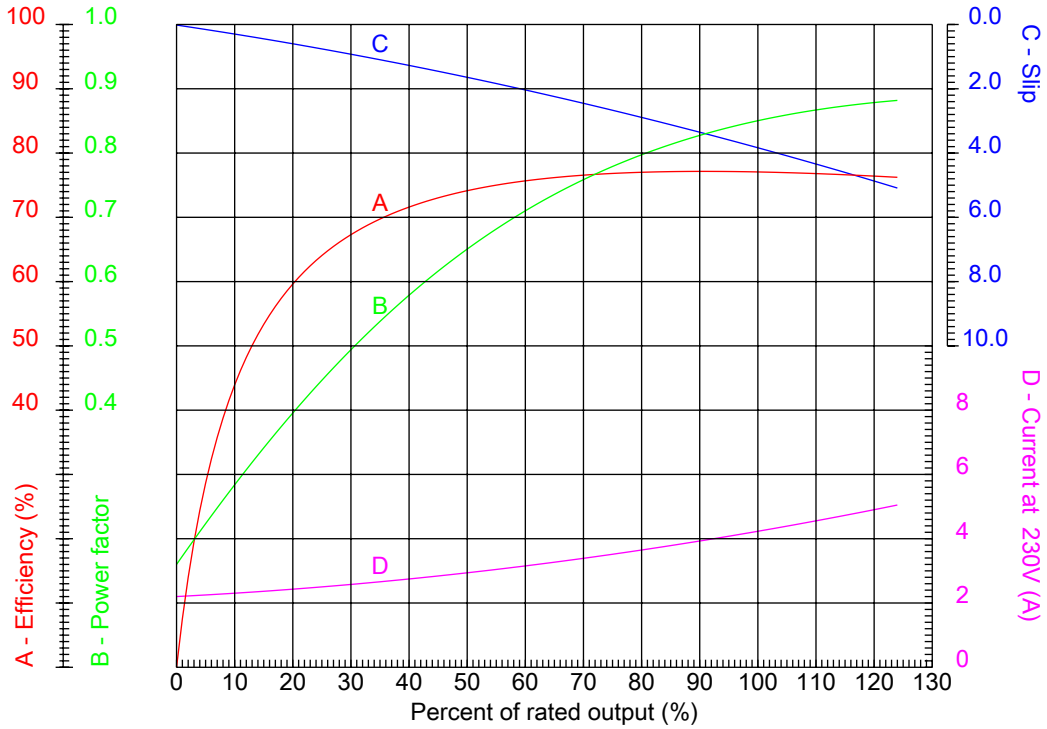
Dealers Industrial Equipment

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) - Threaded - ODP - Standard Efficiency

Frame	: 56J	Locked rotor current (Il/In)	: 6.8
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.30
Full load speed	: 3460 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 4.66-4.22/2.11 A	Breakdown torque	: 260 %
Insulation class	: F		

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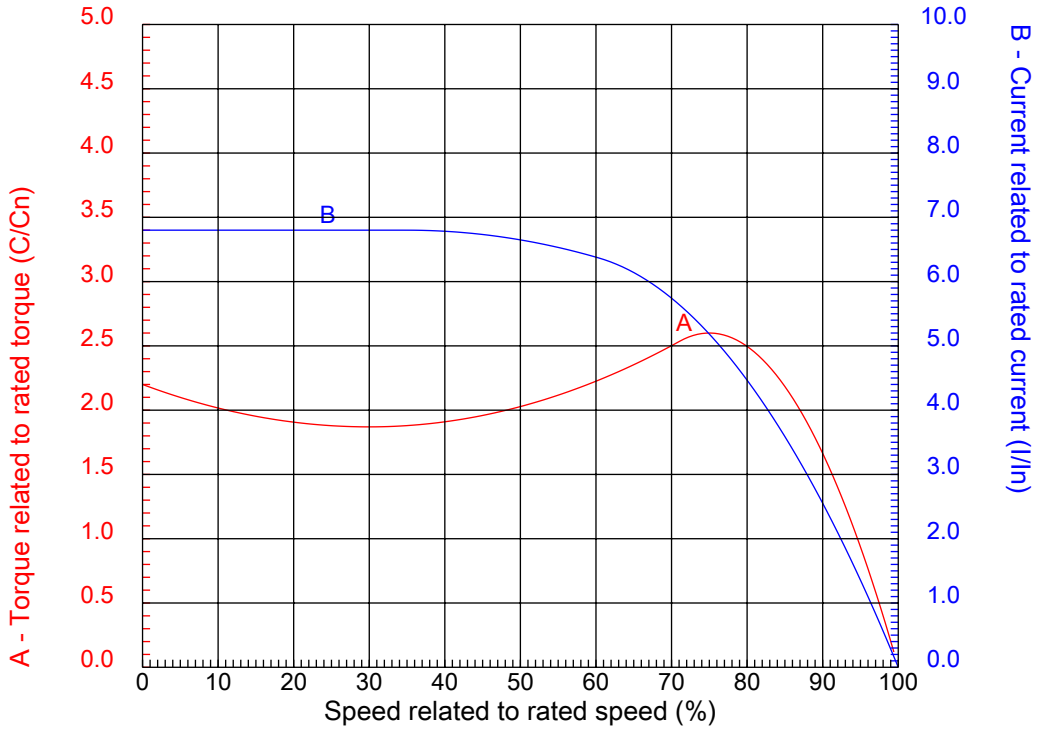
Dealers Industrial Equipment

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) - Threaded - ODP - Standard Efficiency

Frame	:	56J	Locked rotor current (Il/In)	:	6.8
Output	:	1.5 HP	Duty cycle	:	S1
Frequency	:	60 Hz	Service factor	:	1.30
Full load speed	:	3460 rpm	Design	:	A
Voltage	:	208-230/460 V	Locked rotor torque	:	220 %
Rated current	:	4.66-4.22/2.11 A	Breakdown torque	:	260 %
Insulation class	:	F			

Notes:
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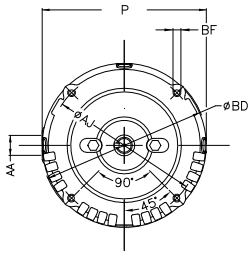

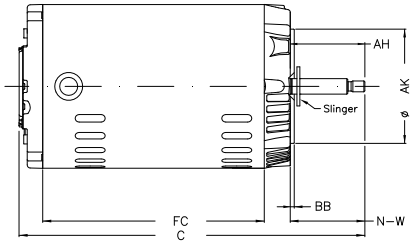

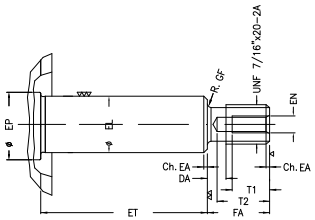

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Performed by:

Checked:

Customer:

Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - ODP - Standard

P 6.456	AB 5.882	AA NPT 1/2"	ET 1.874	U 0.625
EL 0.625	EP 0.665	t1 0.472	t2 0.590	C 11.614
FC 7.087	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 - ODP

12-SEP-2016