



No.:

Date: 28-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - ODP (IP21)

Catalog Number : 00156OS3EJPR56C

List Price : \$290

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - ODP (IP21)

Frame : D56
Output : 1.5 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3400
Slip : 5.56 %
Voltage : 208-230/460 V
Rated current : 4.50-4.26/2.13 A
Locked rotor current : 25.5/12.8 A
Locked rotor current (I_L/I_n) : 6.0
No-load current : 2.10/1.05 A
Full load torque : 2.29 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 230 %
Design : A
Insulation class : B
Temperature rise : 80 K
Locked rotor time : 10 s (hot)
Service factor : 1.30 (1.00 at 208V)
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP21
Approximate weight : 32 lb
Moment of inertia : 0.03037 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6204 2RS	6202 2RS	100%	0.87	76.0
Regreasing interval	---	---	75%	0.81	76.0
Grease amount	---	---	50%	0.69	74.0

Notes:

Performed by

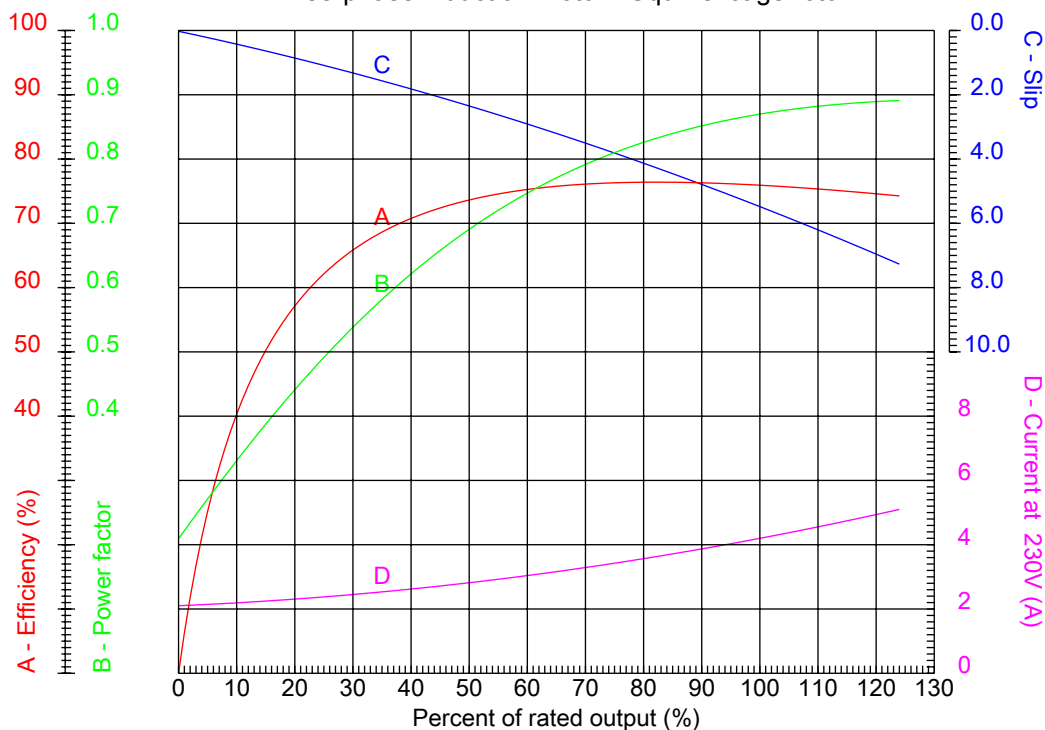
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PERFORMANCE CURVES RELATED TO RATED OUTPUT
Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - ODP (IP21)

Frame	: D56	Locked rotor current (I _l /I _n)	: 6.0
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.30 (1.00 at 208V)
Full load speed	: 3400	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 4.50-4.26/2.13 A	Breakdown torque	: 230 %
Insulation class	: B		

Notes:

Performed by

Checked

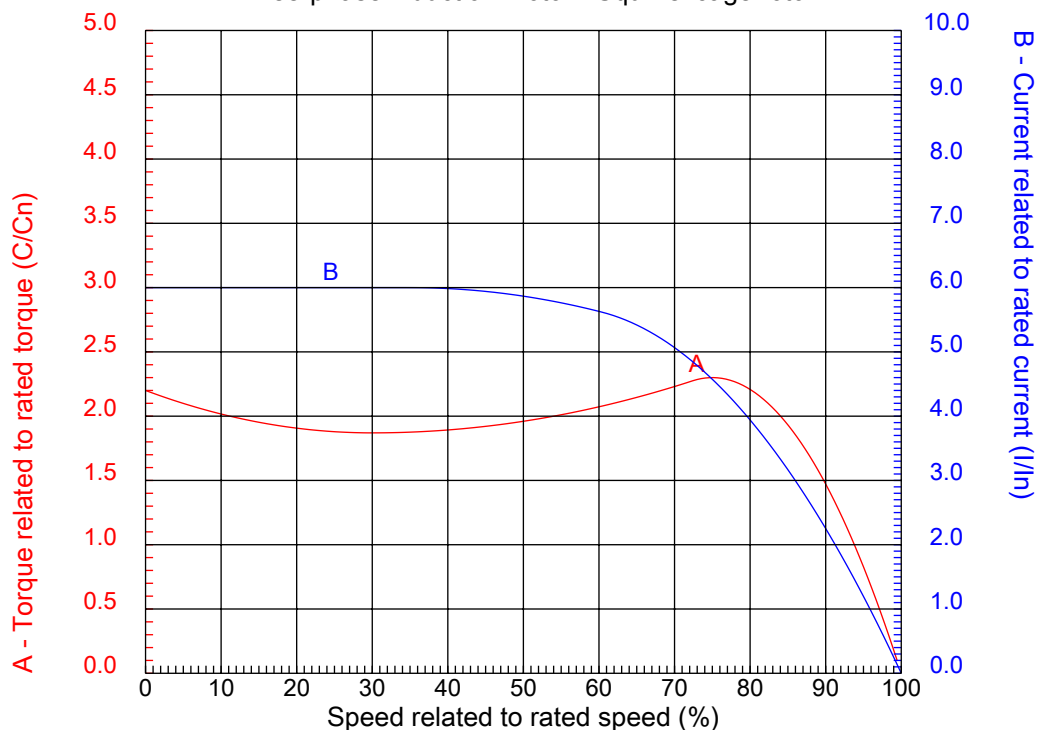


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



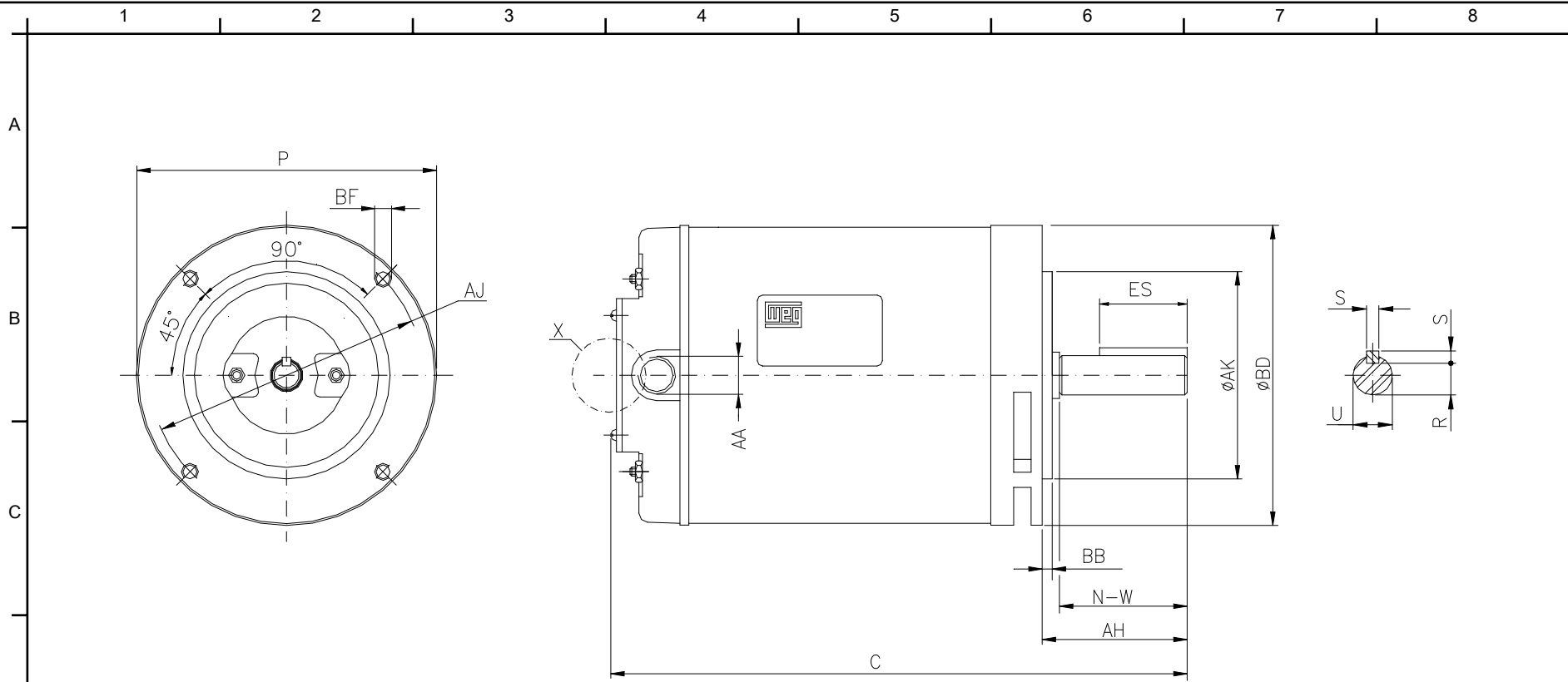
Customer :
Product line : Jet Pump - NEMA 56 : Three-Phase - Keyed - ODP (IP21)

Frame	: D56	Locked rotor current (I _l /I _n)	: 6.0
Output	: 1.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.30 (1.00 at 208V)
Full load speed	: 3400	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 4.50-4.26/2.13 A	Breakdown torque	: 230 %
Insulation class	: B		

Notes:

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Customer:

C	P	ES	S	N-W
12.283	6.496	1.417	0.187	1.874
U	R	AA	Flange	AJ
0.625	0.517	NPT 1/2"	FC-149	5.874
AK	BD	BF	BB	BC
4.500	6.535	114.3	0.157	---
AH				
2.063				

Jet Pump - NEMA 56 : Three-Phase - Keyed - ODP (IP21)

Three-phase induction motor
Frame D56 - IP21

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