



No.:

Date: 27-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Catalog Number : 05018OT3E326JM

List Price : \$4,877

Notes:

Performed by:

Checked:



No.:

Date: 27-DEC-2012

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame : 326JM
Output : 50 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1775
Slip : 1.39 %
Voltage : 208-230/460 V
Rated current : 132-120/59.9 A
Locked rotor current : 755/377 A
Locked rotor current (I_L/I_n) : 6.3
No-load current : 48.0/24.0 A
Full load torque : 146 lb.ft
Locked rotor torque : 240 %
Breakdown torque : 250 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP23
Approximate weight : 573 lb
Moment of inertia : 7.0355 sq.ft.lb
Noise level : 65 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6312 Z-C3	6212 Z-C3	100%	0.82	94.5
Regreasing interval	20000 h	20000 h	75%	0.79	94.5
Grease amount	21 g	13 g	50%	0.70	94.1

Notes:

Performed by

Checked

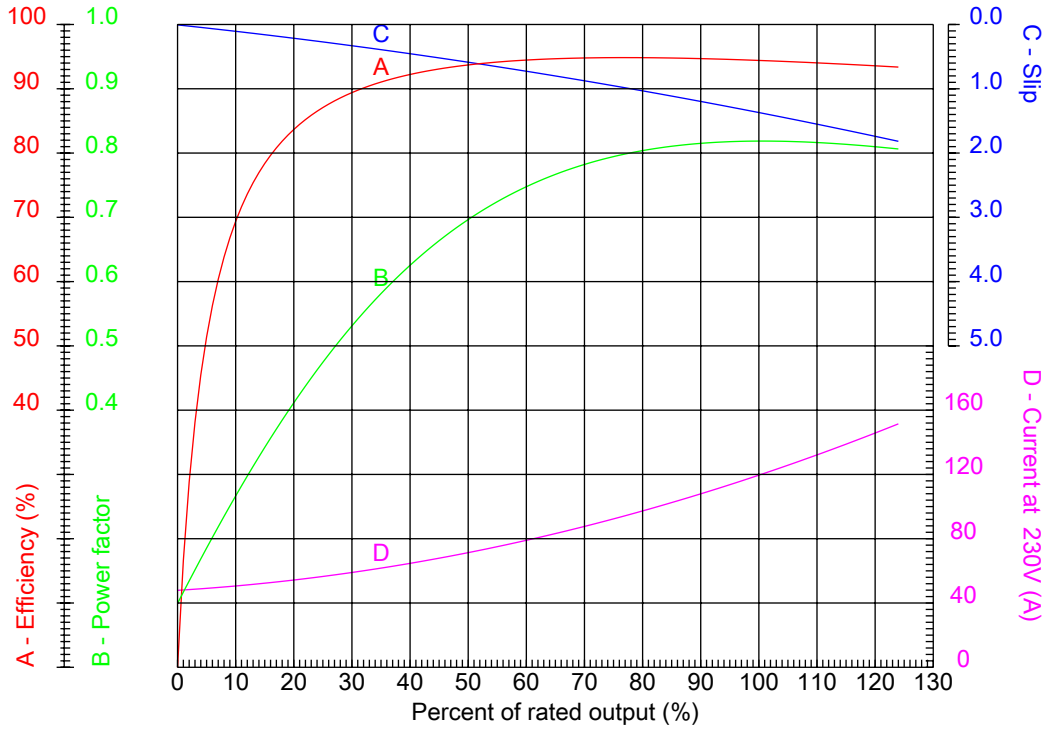


No.:

Date: 27-DEC-2012

PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame	: 326JM	Locked rotor current (I _l /I _n)	: 6.3
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1775	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 132-120/59.9 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:

Performed by

Checked

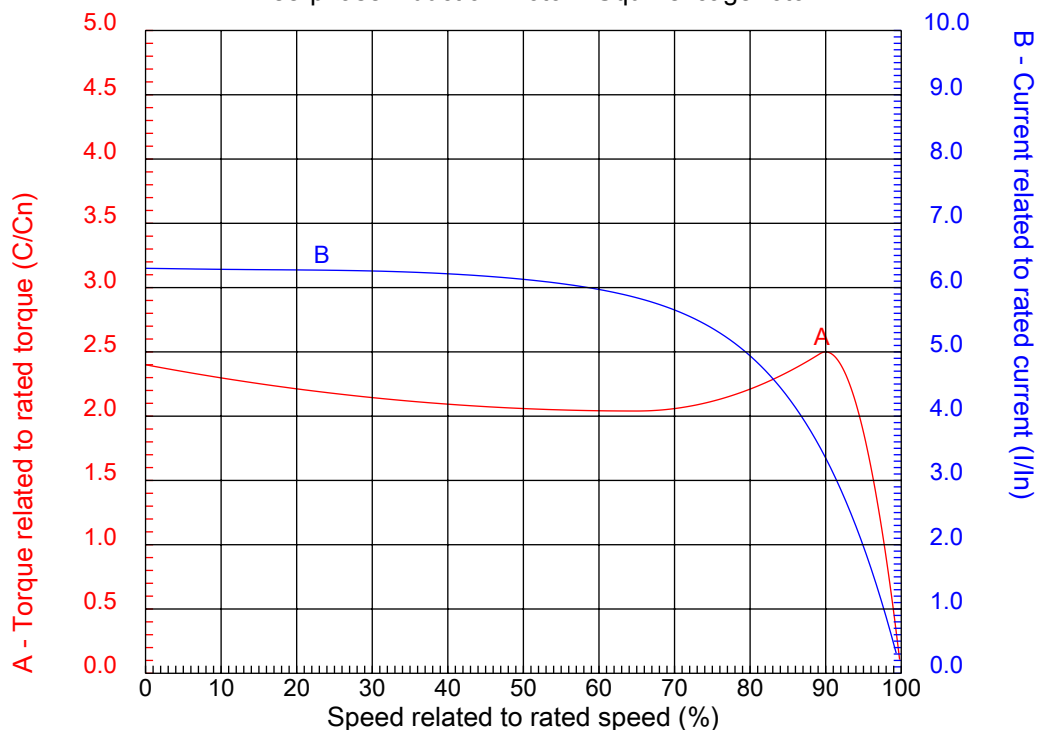


No.:

Date: 27-DEC-2012

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



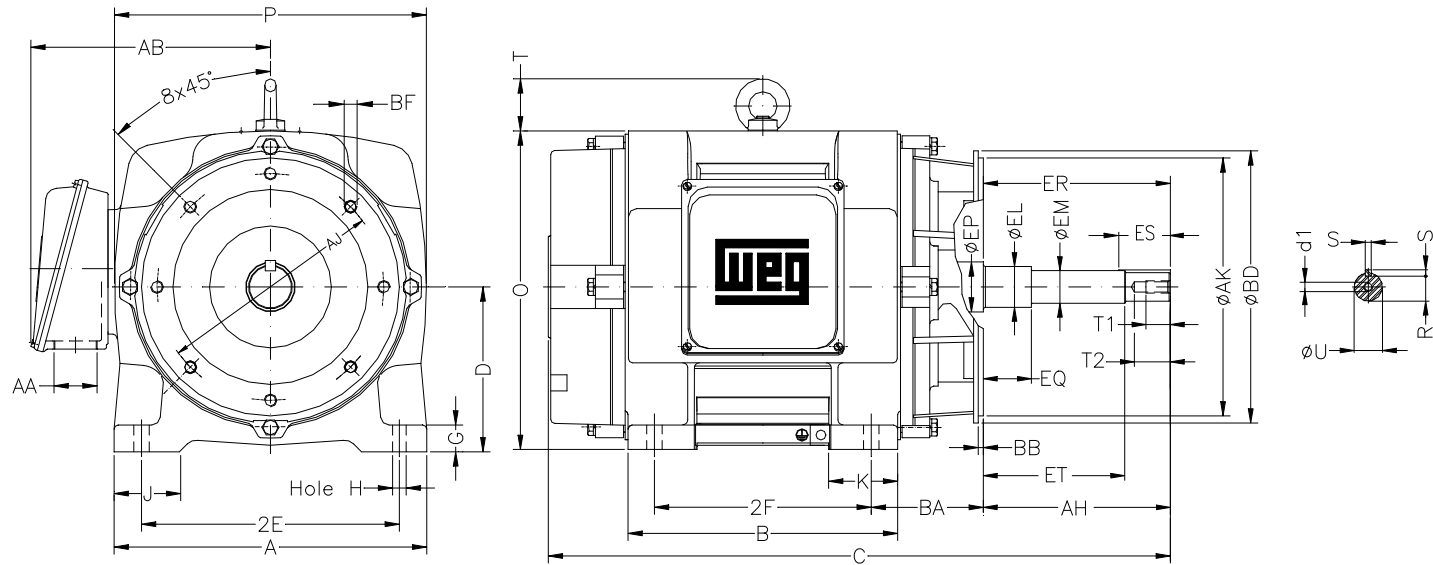
Customer :
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Frame	: 326JM	Locked rotor current (I _l /I _n)	: 6.3
Output	: 50 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1775	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 240 %
Rated current	: 132-120/59.9 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:

Performed by

Checked



E	2E 12.500	A 15.160	2F 12.000	B 14.566	J 3.230
	BA 5.500	D 8.000	K 3.350	G 1.299	O 15.551
	P 15.118	T 2.559	HD 18.110	H 0.657	AA NPT 2"
	ER 5.250	EQ 0.630	ET 3.006	U 1.249	EM 1.375
	EL 1.750	S 0.250	EP 2.360	R 1.110	ES 2.559
F	d1 EUNC 1/2"-13	t1 0.984	t2 1.496	C 27.927	Flange FC-279
	AJ 11.000	AK 12.500	BD 13.189	BF UNC 5/8"x11	BB 0.250
	BC	AH 5.250			

Notes:

Performed by:

Checked:

Customer:

Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Three-phase induction motor
Frame 326JM - IP23

27-DEC-2012