



No.:

Date: 26-DEC-2012

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Catalog Number : 00318ES1E184JM

List Price : \$1,182

Notes:

Performed by:

Checked:



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## DATA SHEET

### Single-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame : 184JM  
 Output : 3 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1750  
 Slip : 2.78 %  
 Voltage : 208-230/460 V  
 Rated current : 14.7-13.6/6.80 A  
 Locked rotor current : 102/51.0 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.5  
 No-load current : 6.00/3.00 A  
 Full load torque : 8.88 lb.ft  
 Locked rotor torque : 280 %  
 Breakdown torque : 250 %  
 Design : ---  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 6 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000  
 Degree of Protection : IP55  
 Approximate weight : 97 lb  
 Moment of inertia : 0.31086 sq.ft.lb  
 Noise level : ---

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6307 ZZ	6206 ZZ	100%	0.93	77.0
Regreasing interval	---	---	75%	0.90	74.0
Grease amount	---	---	50%	0.84	67.0

Notes:

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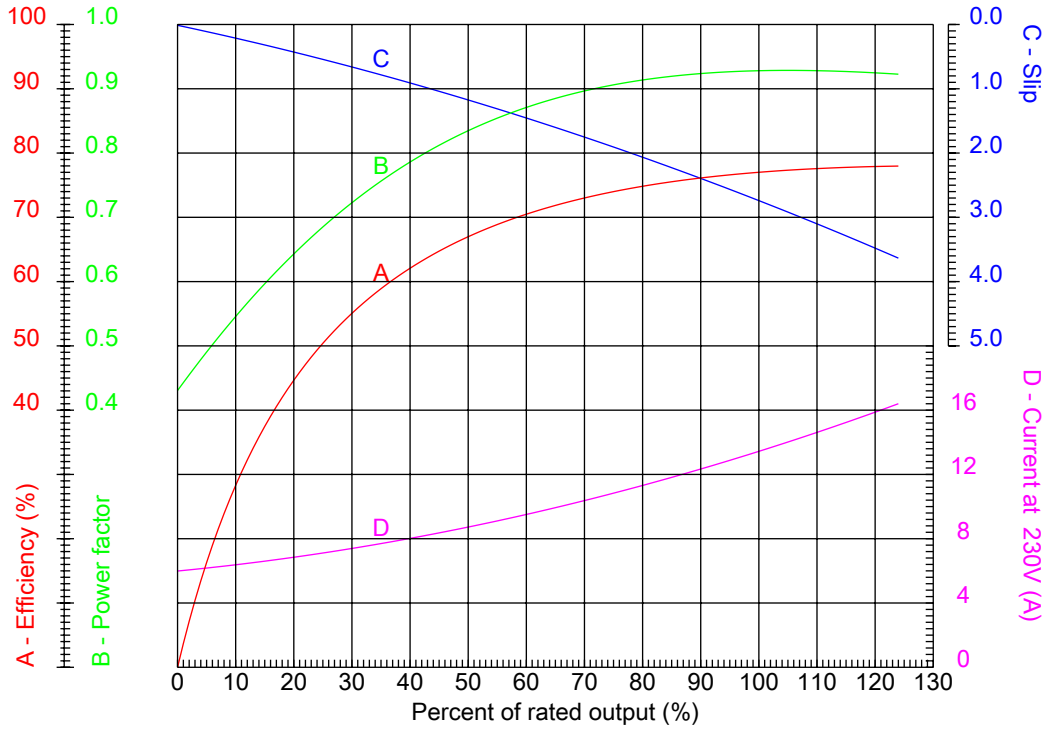


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



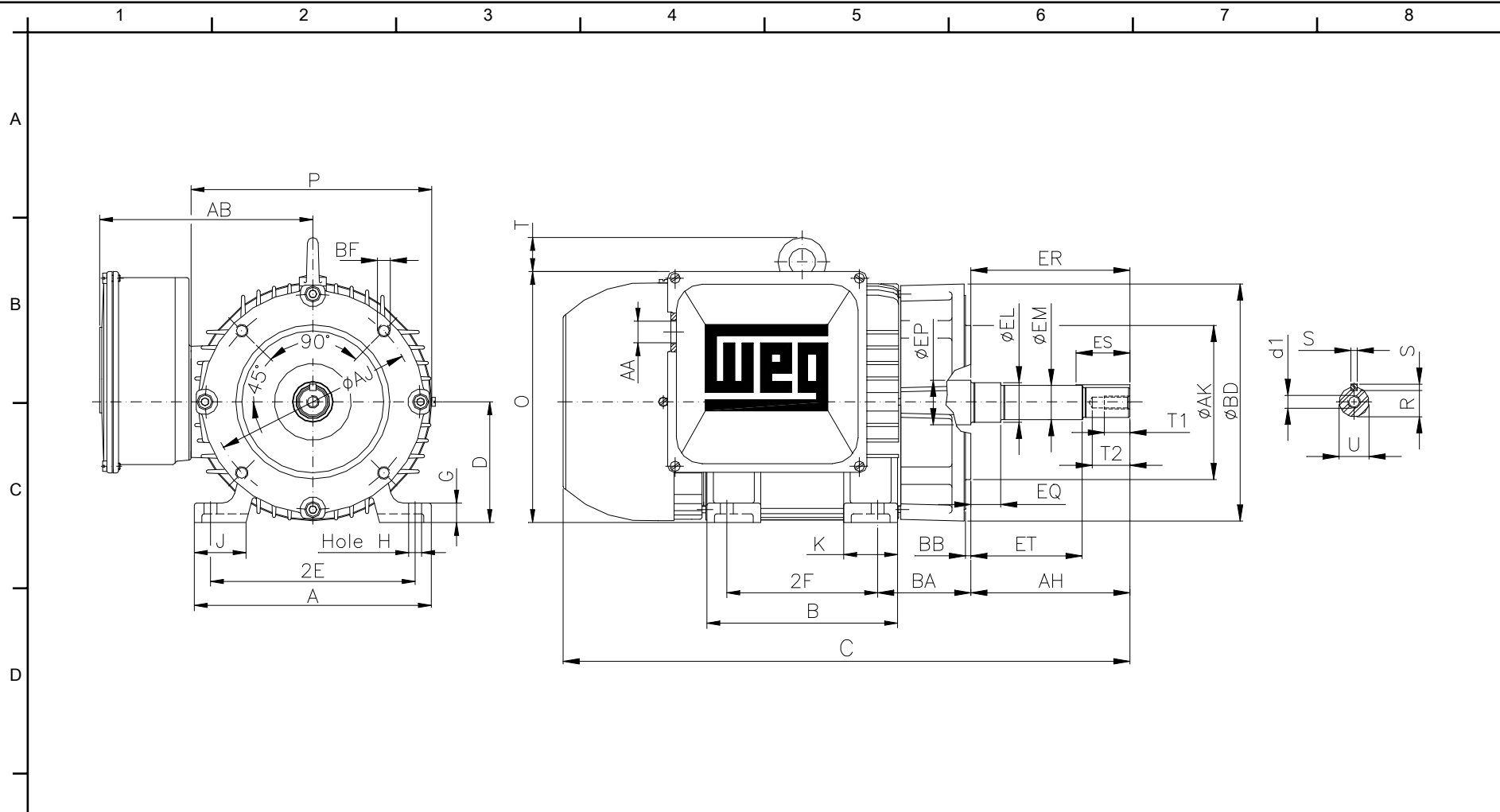
Customer :  
 Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame	: 184JM	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.5
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1750	Design	: ---
Voltage	: 208-230/460 V	Locked rotor torque	: 280 %
Rated current	: 14.7-13.6/6.80 A	Breakdown torque	: 250 %
Insulation class	: F		

Notes:

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E	2E 7.500	2F 5.500	H 0.406	BA 2.756	A 8.661
	B 6.969	D 4.500	G 0.720	J 1.890	K 1.969
	O 9.343	P 8.740	AB 7.835	AA NPT 1"	ER 4.258
	EQ 0.630	ET 2.880	U 0.874	EM 1.000	EL 1.250
	EP 1.376	S 0.187	R 0.767	ES 1.575	d1 EUNC 3/8"-16
F	t1 0.748	t2 1.102	C 17.368	Flange FC-149	AJ 5.874
	AK 4.500	BD 6.496	BF UNC 3/8"x16	BB 0.157	BC
	AH 4.258				

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Customer:

Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Single-phase induction motor  
Frame 184JM - IP55

26-DEC-2012

