



No.:

Date: 28-OCT-2020

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W22 - Cast Iron Frame - Premium Efficiency - IE3

Catalog Number :

List Price : \$

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 - Cast Iron Frame - Premium Efficiency - IE3

Frame : 132S
Output : 5.5 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1465 rpm
Slip : 2.33 %
Voltage : 400/690 V
Rated current : 10.5/6.09 A
Locked rotor current : 87.2/50.5 A
Locked rotor current (I_L/I_n) : 8.3
No-load current : 5.20/3.01 A
Full load torque : 35.9 Nm
Locked rotor torque : 230 %
Breakdown torque : 330 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 66 kg
Moment of inertia : 0.04907 kgm²
Noise level : 56 dB(A)

	D.E.	N.D.E.
Bearings	6308 ZZ	6207 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.84	89.7
75%	0.78	89.6
50%	0.66	89.0

Notes:

Efficiencies according to the indirect method of IEC 60034-2-1:2007 with stray load losses determined from measurement.

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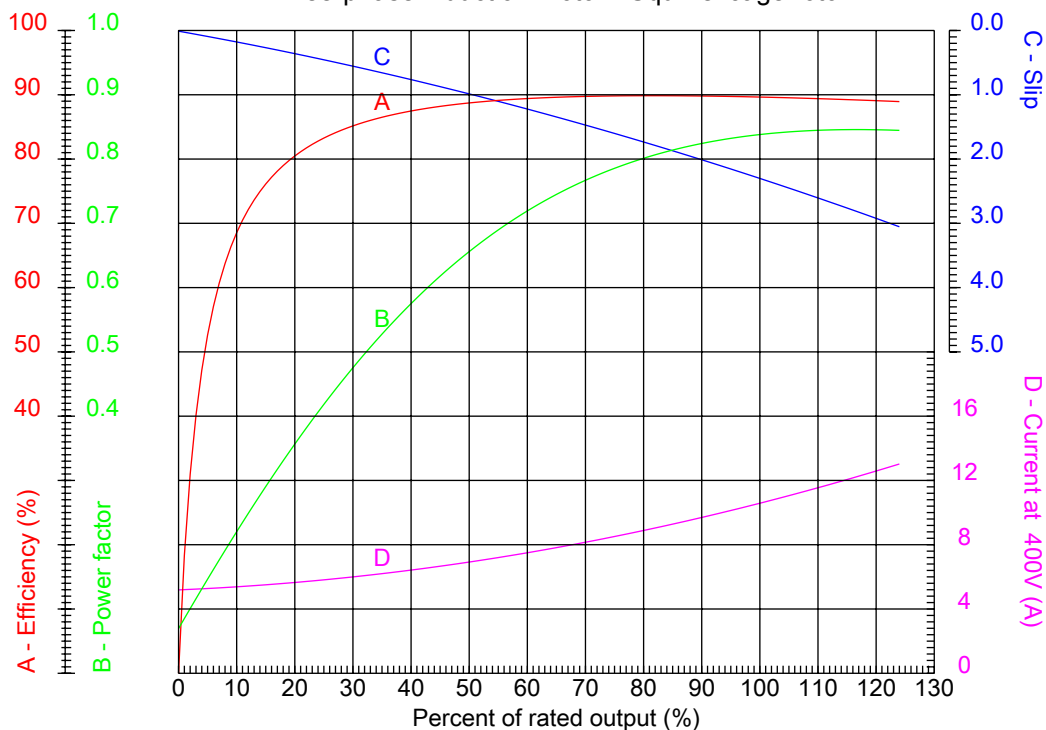


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 - Cast Iron Frame - Premium Efficiency - IE3

Frame	: 132S	Locked rotor current (I _L /I _n)	: 8.3
Output	: 5.5 kW	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 1465 rpm	Design	: ---
Voltage	: 400/690 V	Locked rotor torque	: 230 %
Rated current	: 10.5/6.09 A	Breakdown torque	: 330 %
Insulation class	: F		

Notes:

Performed by

Checked

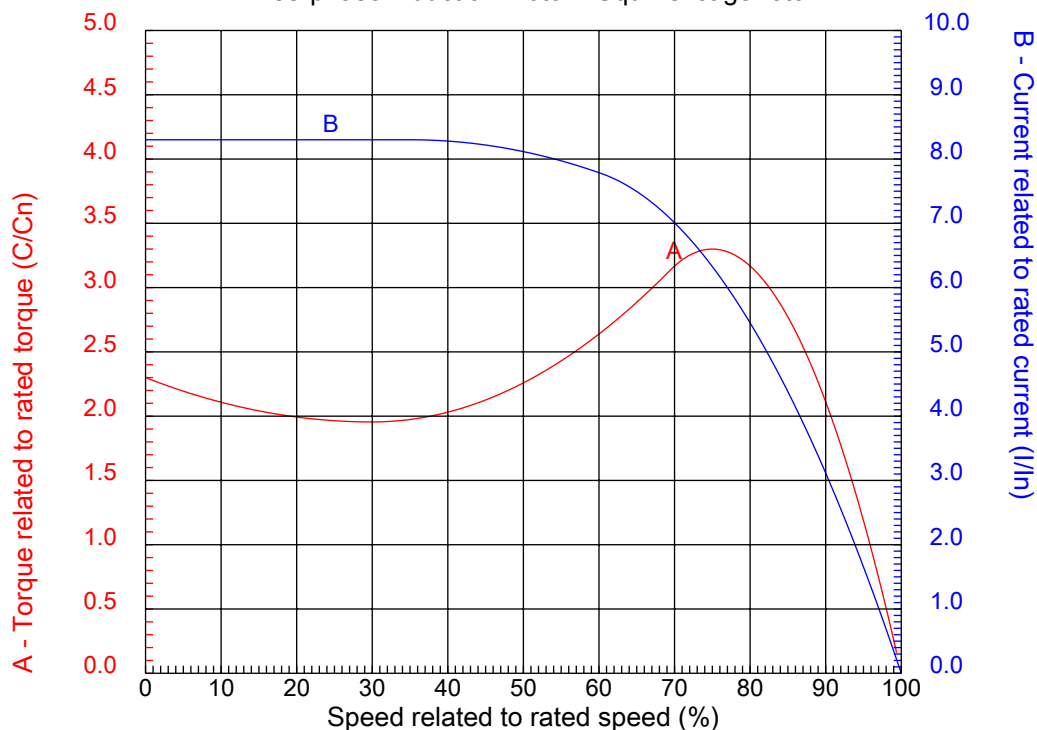


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W22 - Cast Iron Frame - Premium Efficiency - IE3

Frame	: 132S	Locked rotor current (I _L /I _n)	: 8.3
Output	: 5.5 kW	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 1465 rpm	Design	: ---
Voltage	: 400/690 V	Locked rotor torque	: 230 %
Rated current	: 10.5/6.09 A	Breakdown torque	: 330 %
Insulation class	: F		

Notes:

Performed by

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