



No.:

Date: 26-MAY-2021

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W11 - Aluminium Frame - IE2 - Multivoltage

Catalog Number :

List Price : \$

Notes:

TAW1942030

Performed by:

Checked:



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DATA SHEET**Three-phase induction motor - Squirrel cage rotor**

Customer :
Product line : W11 - Aluminium Frame - IE2 - Multivoltage

Frame : 100L
Output : 3 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1420 rpm
Slip : 5.33 %
Voltage : 230/400 V
Rated current : 10.7/6.17 A
Locked rotor current : 69.7/40.1 A
Locked rotor current (I_L/I_n) : 6.5
No-load current : 6.00/3.45 A
Full load torque : 20.2 Nm
Locked rotor torque : 320 %
Breakdown torque : 330 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 14 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 34 kg
Moment of inertia : 0.00972 kgm²
Noise level : 53 dB(A)

	D.E.	N.D.E.
Bearings	6206 ZZ	6205 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.82	85.6
75%	0.75	85.6
50%	0.63	85.0

Notes:

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

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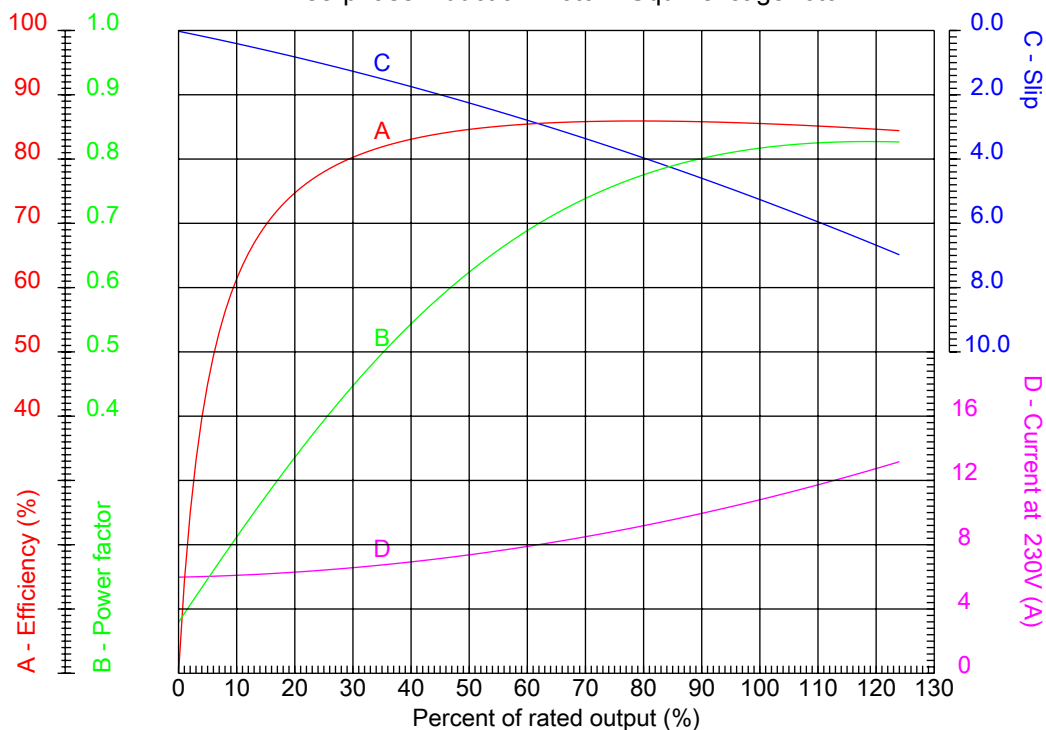


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W11 - Aluminium Frame - IE2 - Multivoltage

Frame	: 100L	Locked rotor current (I _L /I _n)	: 6.5
Output	: 3 kW	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 1420 rpm	Design	: ---
Voltage	: 230/400 V	Locked rotor torque	: 320 %
Rated current	: 10.7/6.17 A	Breakdown torque	: 330 %
Insulation class	: F		

Notes:
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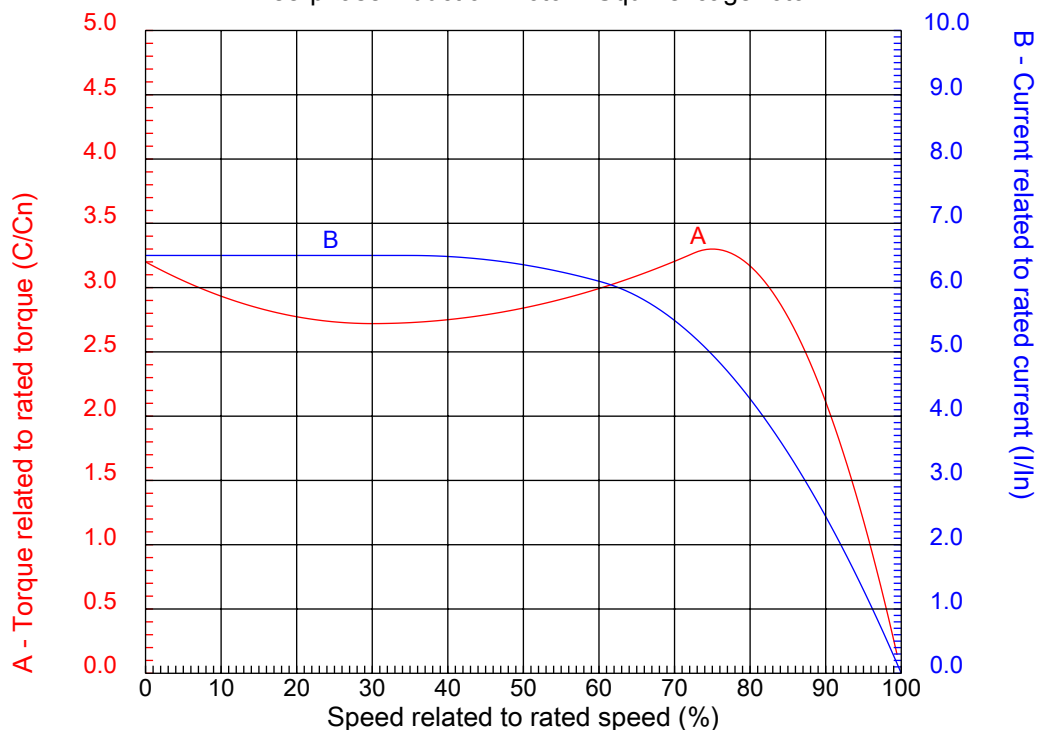


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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : W11 - Aluminium Frame - IE2 - Multivoltage

Frame	: 100L	Locked rotor current (I _L /I _n)	: 6.5
Output	: 3 kW	Duty cycle	: S1
Frequency	: 50 Hz	Service factor	: 1.00
Full load speed	: 1420 rpm	Design	: ---
Voltage	: 230/400 V	Locked rotor torque	: 320 %
Rated current	: 10.7/6.17 A	Breakdown torque	: 330 %
Insulation class	: F		

Notes:
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