## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 Explosion Proof NEMA Product code : 11342406

Premium Efficiency Three-Phase

Frame : 326T Cooling method : IC411 - TEFC

Insulation class : F Mounting : F-1

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW)
Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight³ : 321 kg
Protection degree : IP55 Moment of inertia (J) : 0.5255 kgm²

Protection degre	е	: IP55	Moment of Inc	ertia (J) : 0.52	55 Kgm²
Design		: B			
Output [HP]		30	30	30	30
Poles		6	6	6	6
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		73.4/36.7	43.7	42.2	40.9
L. R. Amperes [A]		521/261	249	266	274
LRC [A]		7.1x(Code G)	5.7x(Code F)	6.3x(Code G)	6.7x(Code H)
No load current [A	.]	34.0/17.0	17.3	18.6	19.7
Rated speed [RPI	Л]	1180	975	975	980
Slip [%]	[%]		2.50	2.50	2.00
Rated torque [kgfr	n]	18.5	22.3	22.3	22.2
	Locked rotor torque [%]		180	200	229
Breakdown torque	: [%]	270	210	229	250
Service factor		1.15	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		45s (cold) 25s (hot)			
Noise level <sup>2</sup>		62.0 dB(A)	58.0 dB(A)	58.0 dB(A)	58.0 dB(A)
	25%				
Efficiency (%)	50%	92.4	92.4	92.4	91.7
Efficiency (70)	75%	93.0	92.4	92.4	92.4
	100%	93.0	91.0	91.7	92.4
	25%				
Power Factor	50%	0.63	0.70	0.67	0.63
I OWEI FACIOI	75%	0.75	0.80	0.77	0.75
	100%	0.81	0.84	0.82	0.81

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6312 6212 Max. traction : 551 kgf 2RS C3 2RS C3

Sealing : Oil Seal Lip Seal Max. compression : 847 kgf

Lubrication interval : - - Lubricant amount : - Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 81.2A SF 1.15 SFA 93.3A

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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Customer	
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#### Thermal protection

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ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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#### Three Phase Induction Motor - Squirrel Cage

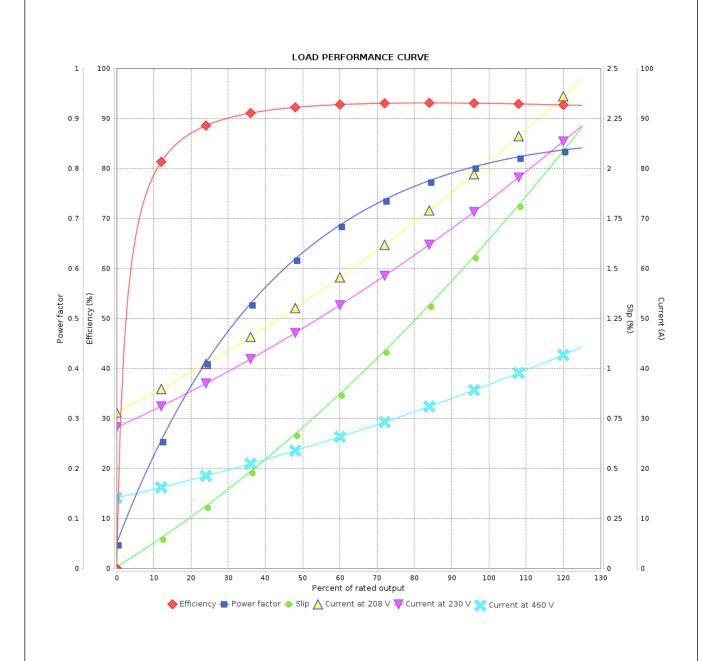


Customer

Product line : W21 Explosion Proof NEMA

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Performance	: 23	30/460 V 60 Hz 6P				
LRC : Rated torque :		3.4/36.7 A 1 8.5 kgfm 40 %	Duty cycle Insulation	Moment of inertia (J) Duty cycle Insulation class Service factor		2
Breakdown torque Rated speed	: 27	70 % 180 rpm	6 Temperature rise		: 1.15 : 80 K : B	
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#### Three Phase Induction Motor - Squirrel Cage



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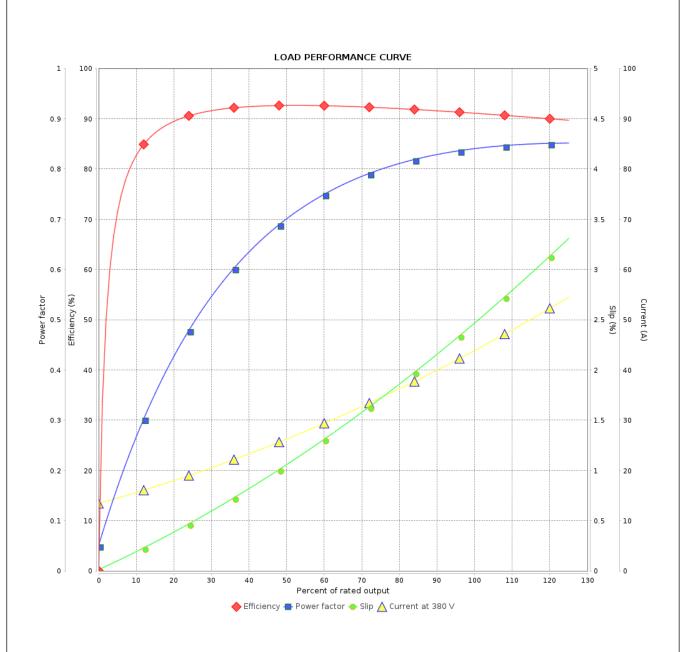
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Product line : W21 Explosion Proof NEMA

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Performance	: 3	80 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5 : 2 : 2 : 2 : 4 : 6	3.7 A 5.7 2.3 kgfm 80 % 110 % 175 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
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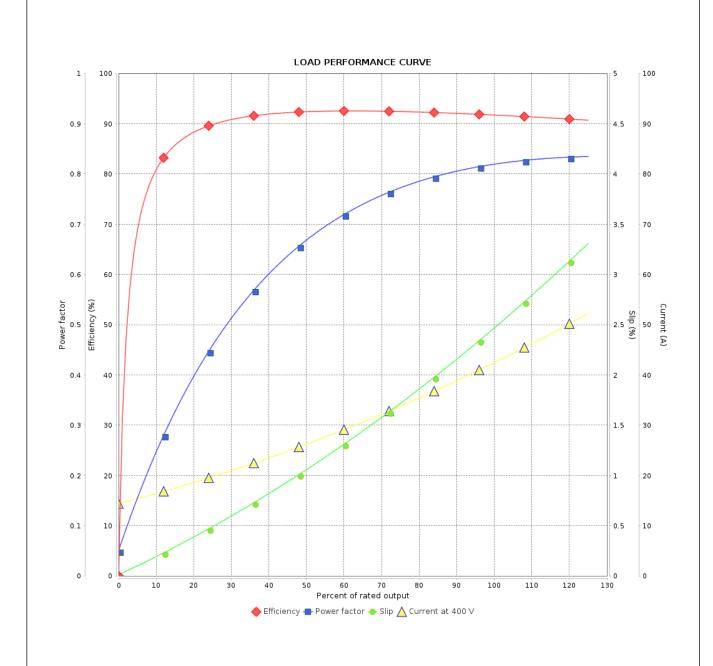
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Performance	: 400 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 42.2 A : 6.3 : 22.3 kgfm : 200 % : 229 %	Duty cycle Insulation Service fa Temperate	class ctor	: 0.5255 kgm <sup>2</sup> : Cont.(S1) : F : 1.00 : 80 K	
Rated speed	: 975 rpm	Design		: B	
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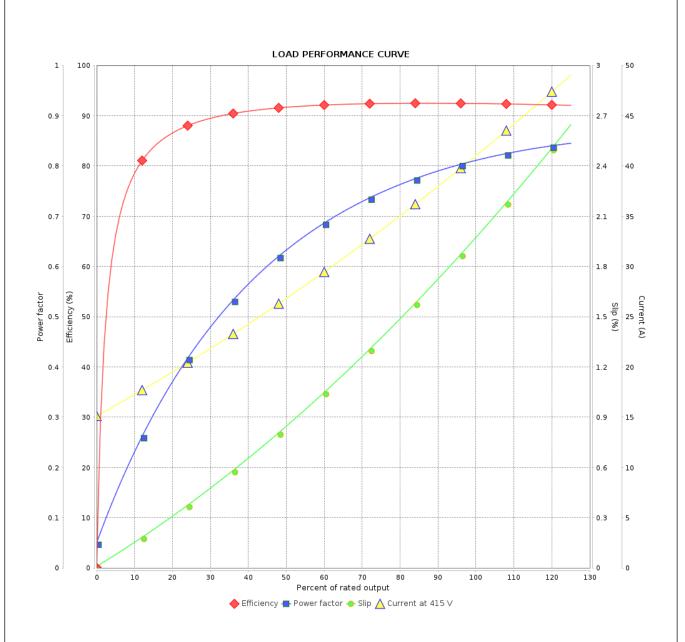
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Product line : W21 Explosion Proof NEMA

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Product code: 11342406



Performance		: 415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 40.9 A : 6.7 : 22.2 kgfm : 229 % : 250 % : 980 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.5255 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
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