DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: General Single-Phase	Product code :	12532729

Frame	: W213/5T	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 20.2/10.5-10.1 A	Protection degree	: IP55
L. R. Amperes	: 145/75.6-72.7 A	Cooling method	: IC411 - TEFC
LRC	: 7.2x(Code K)	Mounting	: F-1
No load current	: 10.0/4.31-5.00 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1175 rpm	Starting method	: Direct On Line
Slip	: 2.08 %	Approx. weight³	: 54.5 kg
Rated torque	: 1.24 kgfm		
Locked rotor torque	: 240 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0220 kgm²		

Output	50%	75%	100%
Efficiency (%)	69.0	76.0	78.0
Power Factor	0.65	0.74	0.83

Foundation loads

Max. traction	: 29 kgf
Max. compression	: 84 kgf

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes

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.

Rev.	Changes Summary	Performed	Checked	Date

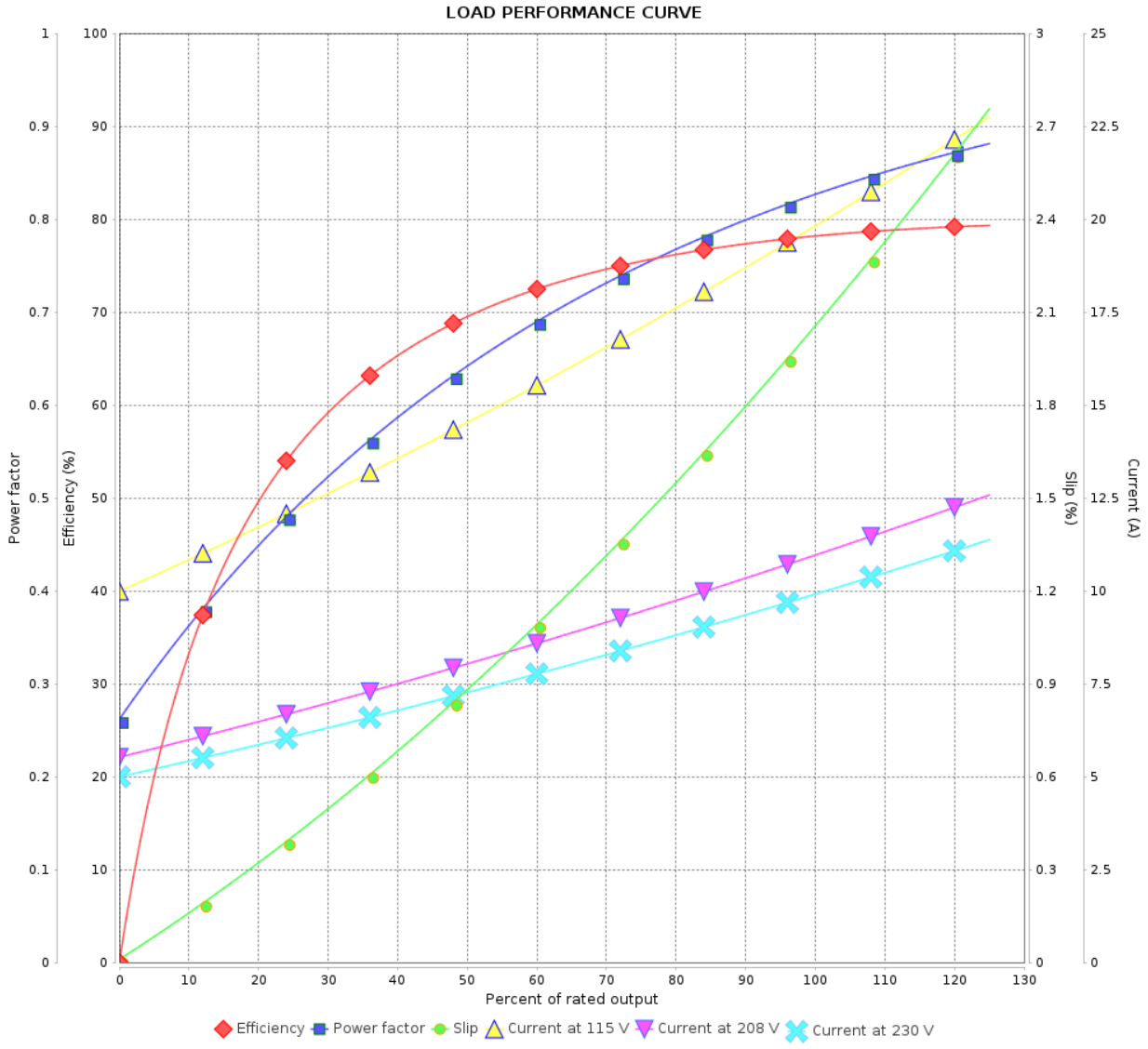
Performed by				
Checked by			Page	Revision
Date	26/10/2024		1 / 2	

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase Product code : 12532729



Performance	: 115/208-230 V 60 Hz 6P		
Rated current	: 20.2/10.5-10.1 A	Moment of inertia (J)	: 0.0220 kgm²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 1.24 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	:
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm		

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Performed by				
Checked by			Page	Revision
Date	26/10/2024		2 / 2	