

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 Single-Phase		Product code : 18970856			
Frame	: 213/5T	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K		
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)		
Rated voltage	: 208-230 V	Ambient temperature	: -20°C to +40°C		
Poles	: 4	Altitude	: 1000 m.a.s.l.		
Rated current	: 33.0-31.7 A	Protection degree	: IP55		
	: 7.7x(Code J)	Cooling method	: IC411 - TEFC		
Rated speed	: 1750 rpm	Mounting	: F-1		
Rated torque	: 3.11 kgfm	Rotation <sup>1</sup>	: Both (CW and CCW)		
Insulation class	: F	Noise level <sup>2</sup>	: 63.0 dB(A)		
Service factor	: 1.15	Starting method	: Direct On Line		
Moment of inertia (J)	: 0.0457 kgm <sup>2</sup>	Approx. weight <sup>3</sup>	: 81.5 kg		
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	75.6	81.0	83.0	Max. traction : 109 kgf	
Power Factor	0.82	0.88	0.91	Max. compression : 190 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6308 ZZ	6206 ZZ		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:			00088	
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
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Checked by				Page	Revision
Date	29/05/2026			1 / 2	

# LOAD PERFORMANCE CURVE

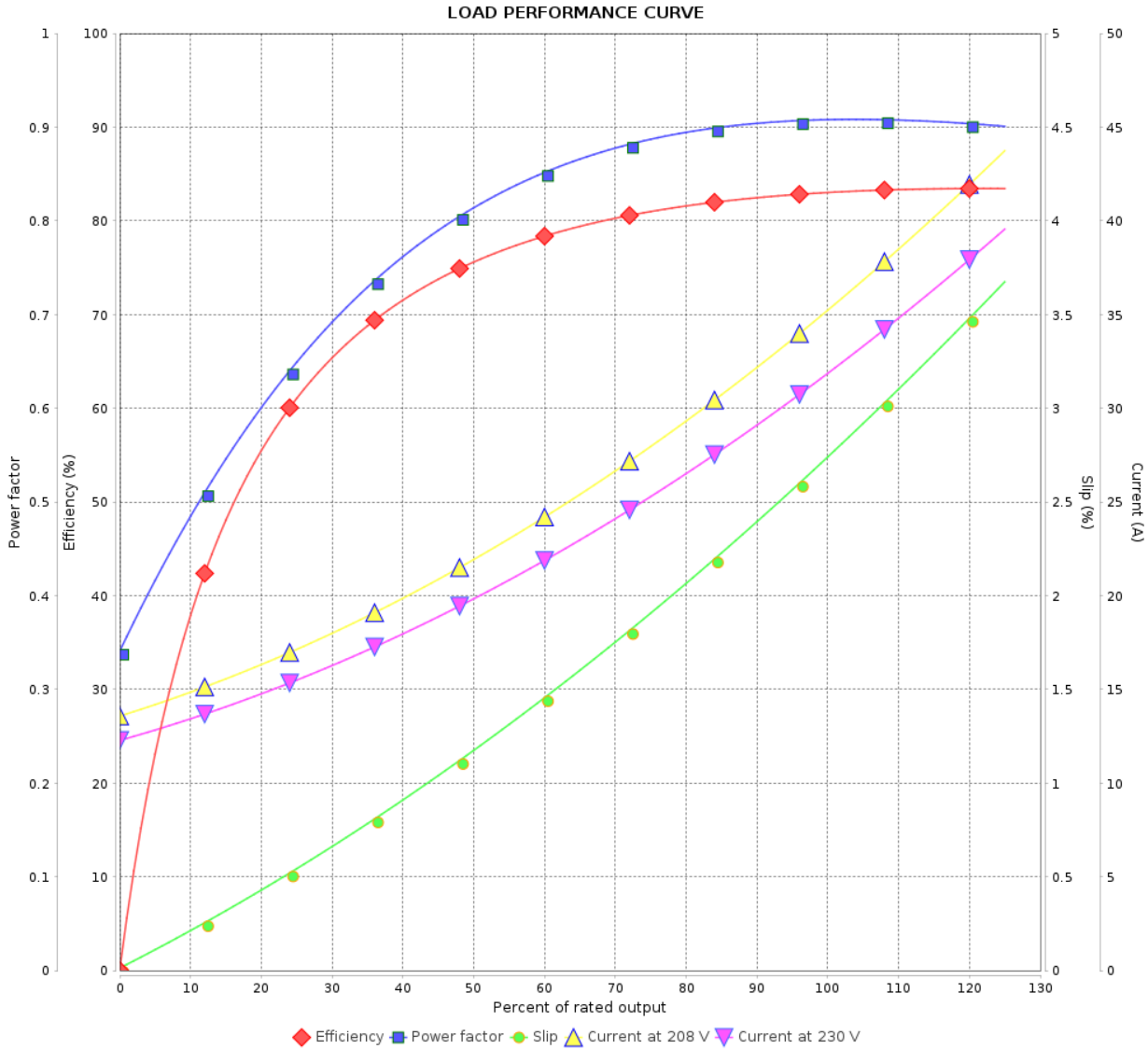
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