

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code : 13500622	
Frame	: 447/9T	Locked rotor time	: 18s (cold) 10s (hot)		
Output	: 300 HP (220 kW)	Temperature rise	: 80 K		
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)		
Rated voltage	: 460 V	Ambient temperature	: -20°C to +40°C		
Poles	: 6	Altitude	: 1000 m.a.s.l.		
Rated current	: 356 A	Protection degree	: IP55		
	: 7.7x(Code J)	Cooling method	: IC411 - TEFC		
Rated speed	: 1189 rpm	Mounting	: F-1		
Rated torque	: 183 kgfm	Rotation ¹	: Both (CW and CCW)		
Insulation class	: F	Noise level ²	: 70.0 dB(A)		
Service factor	: 1.00	Starting method	: Direct On Line		
Moment of inertia (J)	: 6.09 kgm ²	Approx. weight ³	: 1412 kg		
Design	: A				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	95.4	95.8	95.8	
Power Factor	0.00	0.63	0.75	0.81	
Foundation loads					
Max. traction		: 4100 kgf			
Max. compression		: 5512 kgf			
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	NU-322 C3	6319 C3		
Sealing	:	WSeal	WSeal		
Lubrication interval	:	7000 h	13000 h		
Lubricant amount	:	60 g	45 g		
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					
Date	28/05/2026			Page	Revision
				1 / 2	

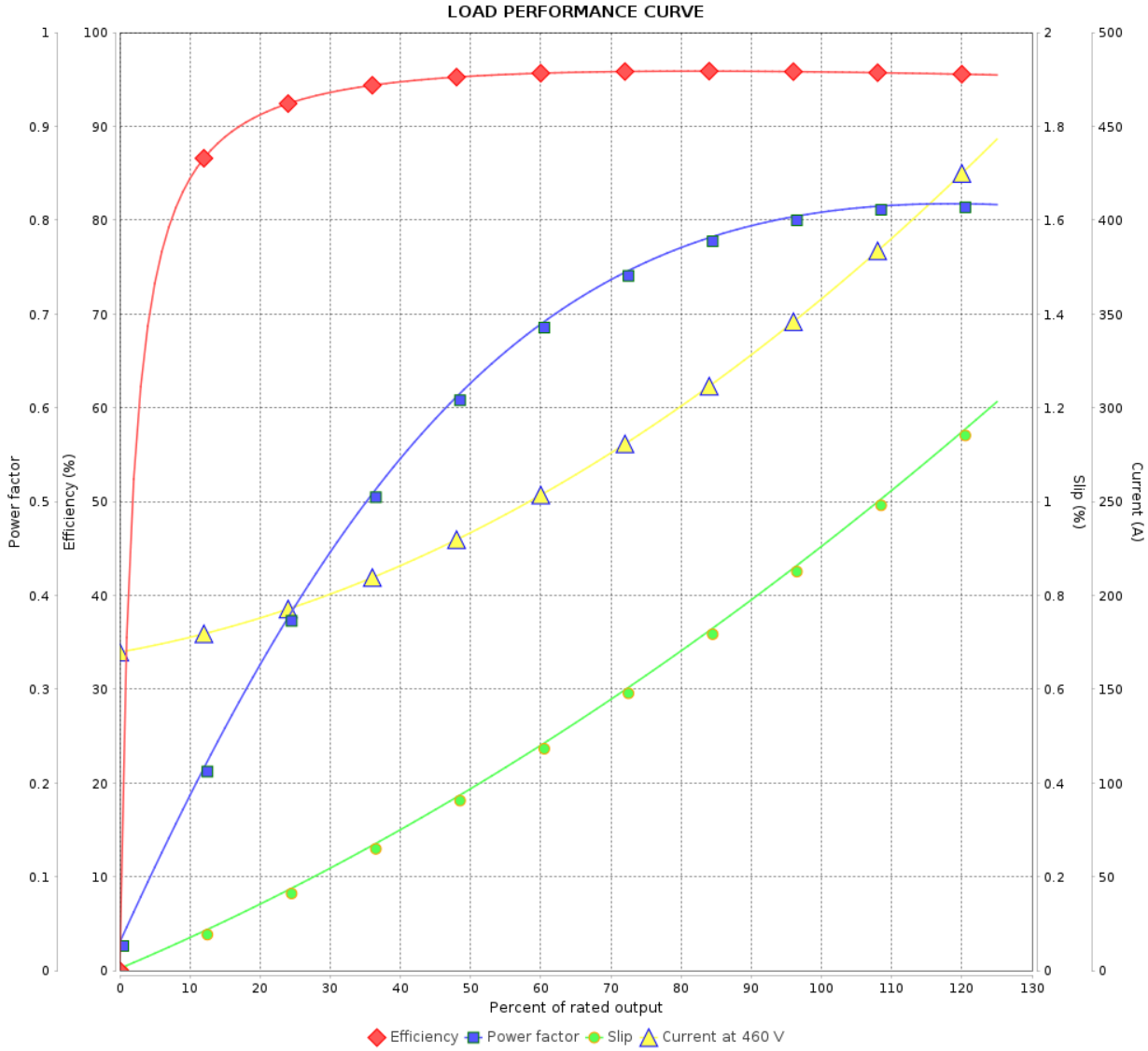
LOAD PERFORMANCE CURVE

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Performed by		Page 2 / 2		Revision
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