

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 P Base NEMA Premium Efficiency Three-Phase		Product code : 15012999		
Frame	: 182/4HP		Locked rotor time	: 45s (cold) 25s (hot)		
Output	: 5 HP (3.7 kW)		Temperature rise	: 80 K		
Poles	: 2		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 208-230/460 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 13.0-11.8/5.90 A		Protection degree	: IP55		
L. R. Amperes	: 98.8-89.7/44.8 A		Cooling method	: IC411 - TEFC		
LRC	: 7.6x(Code J)		Mounting	: W-6		
No load current	: 4.42-4.00/2.00 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3485 rpm		Noise level ²	: 69.0 dB(A)		
Slip	: 3.19 %		Starting method	: Direct On Line		
Rated torque	: 1.04 kgfm		Approx. weight ³	: 47.0 kg		
Locked rotor torque	: 229 %					
Breakdown torque	: 350 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0094 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	86.5	88.5	88.5	Max. traction	
Power Factor	0.00	0.76	0.85	0.89	Max. compression	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6308 ZZ			6206 ZZ	
Sealing	:	V'Ring			V'Ring	
Lubrication interval	:	0 h			0 h	
Lubricant amount	:	0 g			0 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.			
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LOAD PERFORMANCE CURVE

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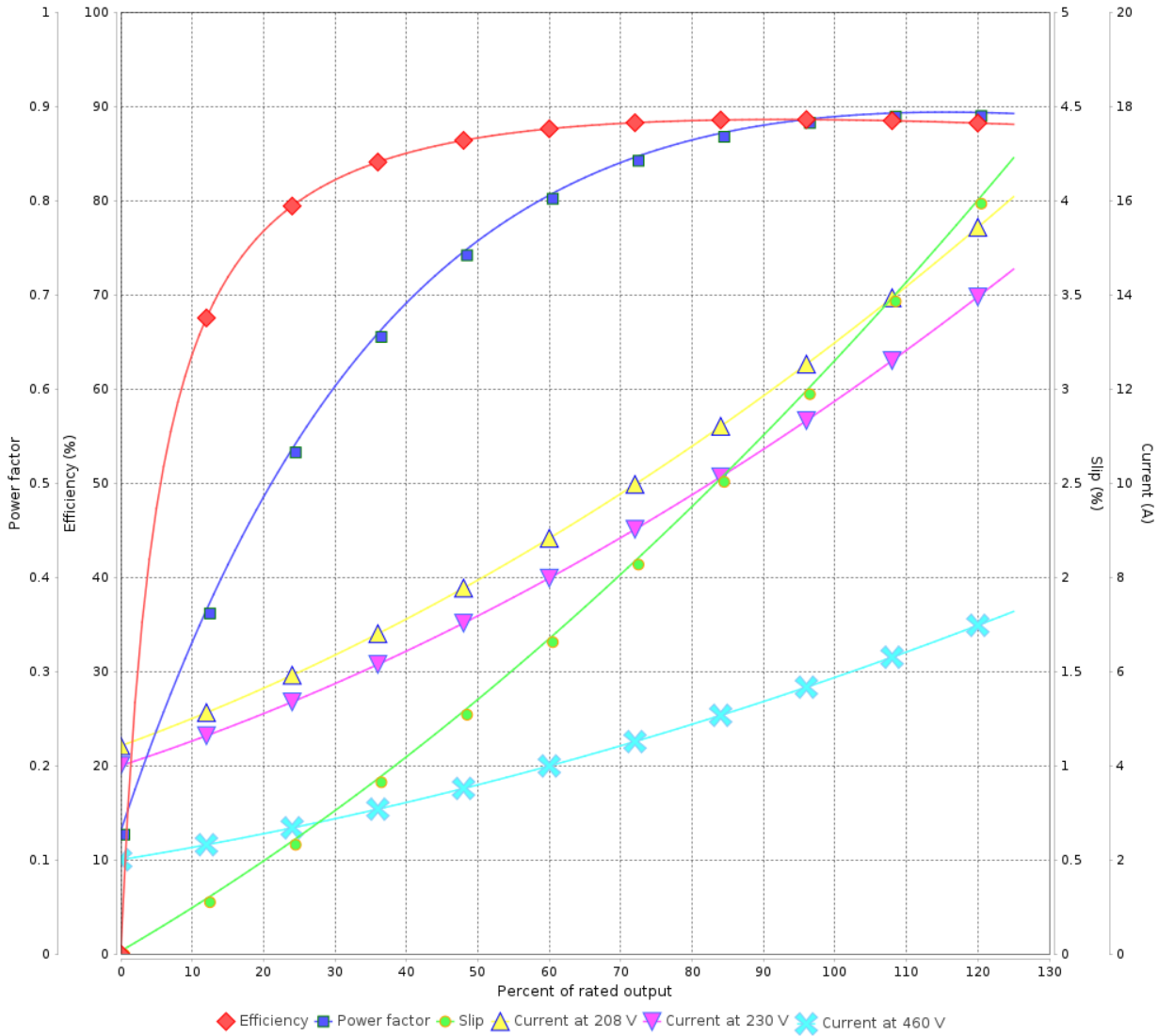


Customer :

Product line : W22 P Base NEMA Premium
Efficiency Three-Phase

Product code : 15012999

LOAD PERFORMANCE CURVE



Performance : 208-230/460 V 60 Hz 2P

Rated current : 13.0-11.8/5.90 A
 LRC : 7.6
 Rated torque : 1.04 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 350 %
 Rated speed : 3485 rpm

Moment of inertia (J) : 0.0094 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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