

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 Super Premium Efficiency Three-Phase			Product code : 14637591			
Frame	: L213/5T			Locked rotor time	: 28s (cold) 16s (hot)	
Output	: 10 HP (7.5 kW)			Temperature rise	: 80 K	
Poles	: 4			Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz			Ambient temperature	: -20°C to +40°C	
Rated voltage	: 230/460 V			Altitude	: 1000 m.a.s.l.	
Rated current	: 24.0/12.0 A			Protection degree	: IP55	
L. R. Amperes	: 202/101 A			Cooling method	: IC411 - TEFC	
LRC	: 8.4x(Code K)			Mounting	: F-1	
No load current	: 11.0/5.50 A			Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1765 rpm			Noise level ²	: 58.0 dB(A)	
Slip	: 1.94 %			Starting method	: Direct On Line	
Rated torque	: 4.11 kgfm			Approx. weight ³	: 91.0 kg	
Locked rotor torque	: 229 %					
Breakdown torque	: 350 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0751 kgm ²					
Design	: A					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	91.7	92.4	93.0	Max. traction : 221 kgf	
Power Factor	0.00	0.66	0.78	0.84	Max. compression : 312 kgf	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:		6308 ZZ		6207 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

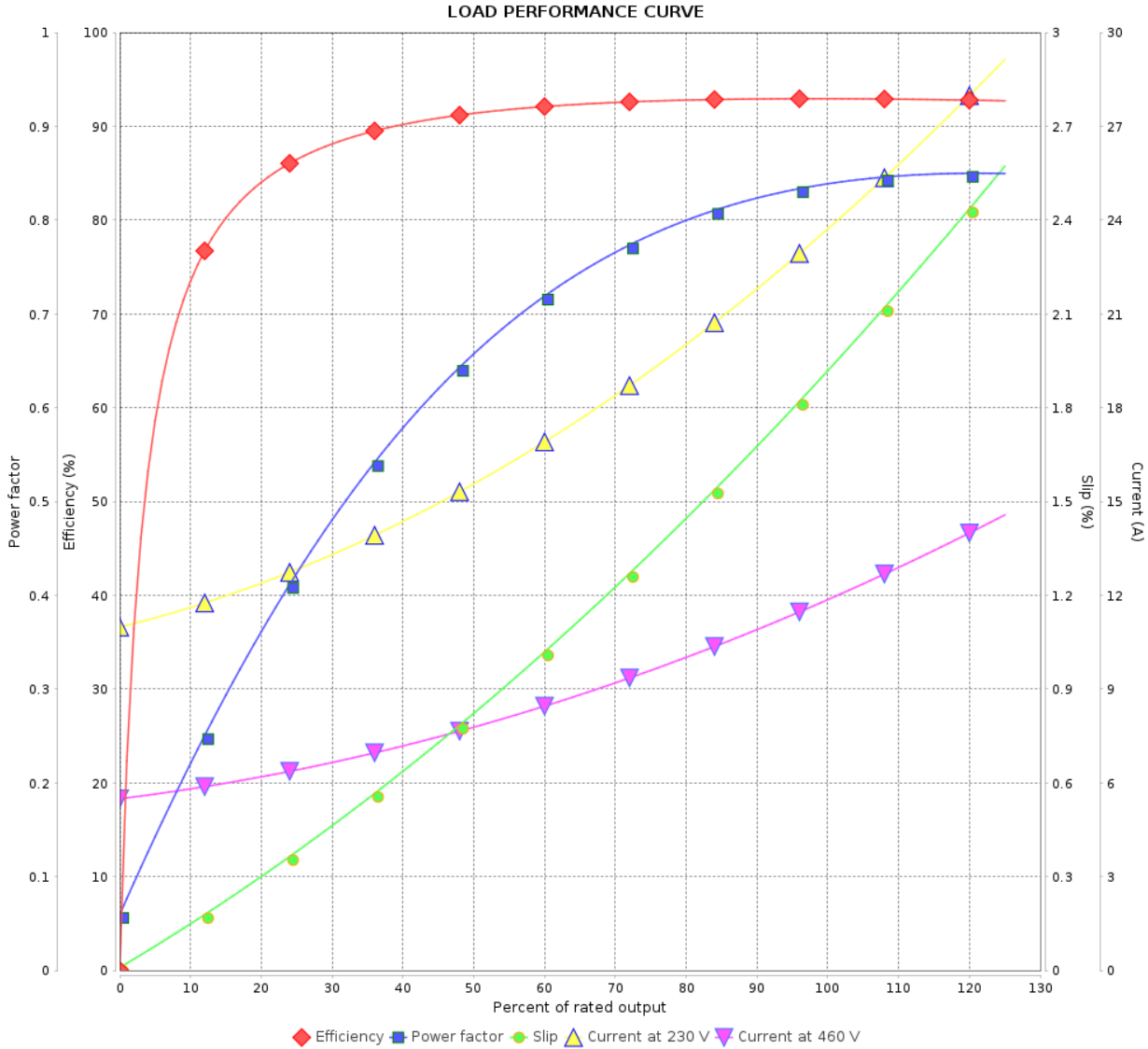
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase

Product code : 14637591



Performance : 230/460 V 60 Hz 4P

Rated current : 24.0/12.0 A
 LRC : 8.4
 Rated torque : 4.11 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 350 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0751 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : A

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