

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Standard Efficiency Three-Phase	Product code :	12676245
Frame	: 56H	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 14.6 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0041 kgm ²	
Design	: A			
Output [HP]	2			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230/460			
Rated current [A]	5.24/2.62			
L. R. Amperes [A]	40.3/20.2			
LRC [A]	7.7x(Code K)			
No load current [A]	2.07/1.04			
Rated speed [RPM]	3475			
Slip [%]	3.47			
Rated torque [kgfm]	0.418			
Locked rotor torque [%]	229			
Breakdown torque [%]	290			
Service factor				
Temperature rise	80 K			
Locked rotor time	19s (cold) 11s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%			
	50%	75.5		
	75%	78.5		
	100%	80.0		
Power Factor	25%			
	50%	0.76		
	75%	0.86		
	100%	0.90		
Bearing type	: Drive end 6204 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction	: 31 kgf	
		Max. compression	: 46 kgf	
Lubrication interval	: -			
Lubricant amount	: -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 5.79A SF 1.00 SFA 5.79A				
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				
Date	11/05/2022		Page 1 /	Revision

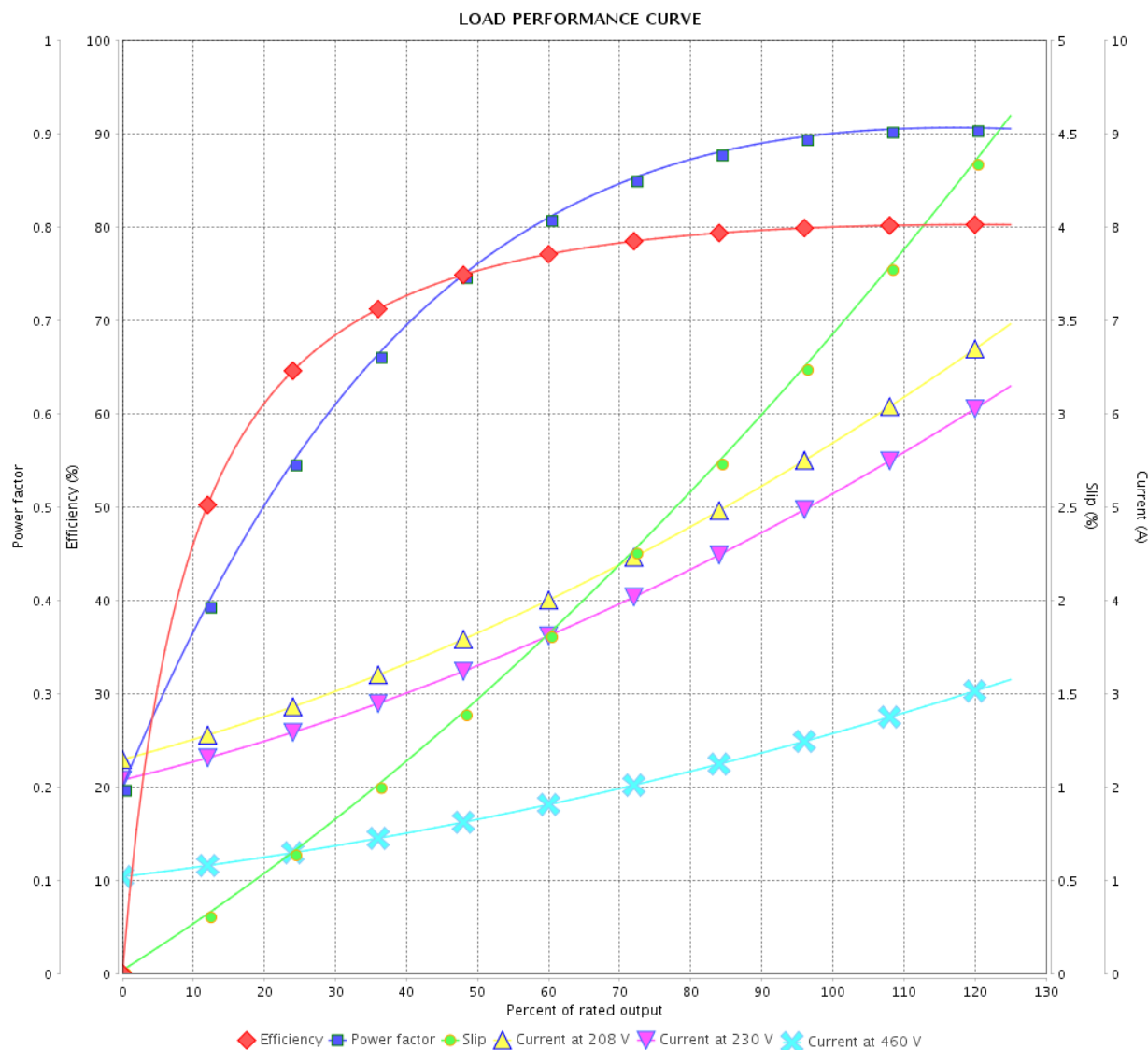
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12676245



Performance : 230/460 V 60 Hz 2P

Rated current : 5.24/2.62 A
 LRC : 7.7
 Rated torque : 0.418 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 290 %
 Rated speed : 3475 rpm

Moment of inertia (J) : 0.0041 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

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