

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Single-Phase	Product code :	15557700		
Frame	: W56	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	: 10.9 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0012 kgm ²		
Design	: N				
Output [HP]	0.33				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	3.18/1.75-1.59				
L. R. Amperes [A]	28.6/15.8-14.3				
LRC [A]	9.0x(Code L)				
No load current [A]	1.00/0.431-0.500				
Rated speed [RPM]	3505				
Slip [%]	2.64				
Rated torque [kgfm]	0.068				
Locked rotor torque [%]	290				
Breakdown torque [%]	320				
Service factor					
Temperature rise	80 K				
Locked rotor time	30s (cold) 17s (hot)				
Noise level ²	66.0 dB(A)				
Efficiency (%)	25%				
	50%	55.0			
	75%	68.0			
	100%	72.0			
Power Factor	25%				
	50%	0.94			
	75%	0.94			
	100%	0.95			
Bearing type	: Drive end	6203 ZZ	Non drive end	6202 ZZ	
Sealing	: V'Ring		Without	Bearing Seal	
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads	Max. traction	: 1 kgf			
	Max. compression	: 12 kgf			
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				Page	Revision
Date	17/05/2022			1 / 2	

LOAD PERFORMANCE CURVE

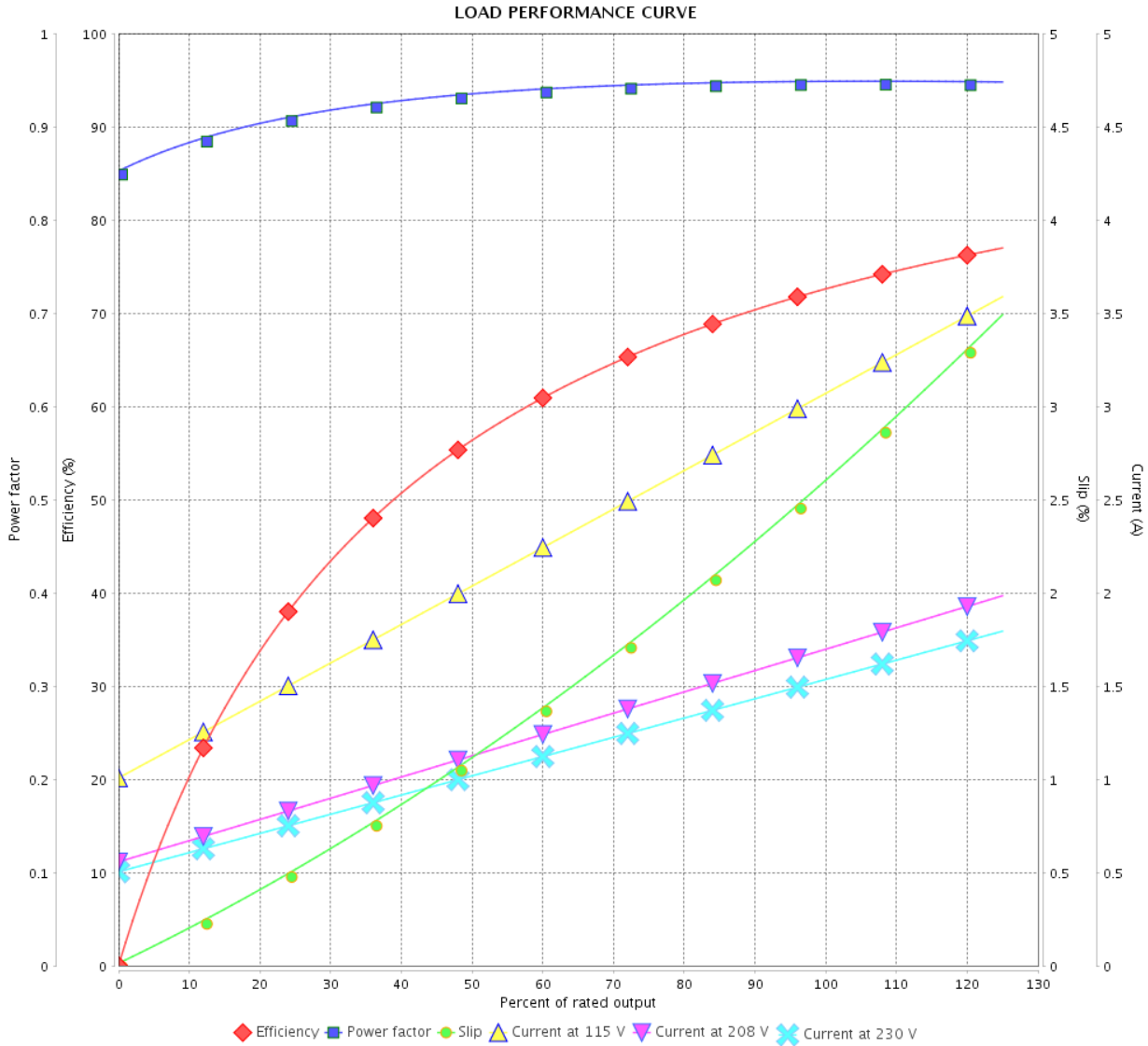
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 15557700



Performance : 115/208-230 V 60 Hz 2P

Rated current : 3.18/1.75-1.59 A
 LRC : 9.0
 Rated torque : 0.068 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 320 %
 Rated speed : 3505 rpm

Moment of inertia (J) : 0.0012 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	17/05/2022			