

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 12795533		
Frame	: 254/6T	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 97.3 kg		
Design	: B	Moment of inertia (J) : 0.1053 kgm <sup>2</sup>		
Output [HP]		10		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		11.1		
L. R. Amperes [A]		58.9		
LRC [A]		5.3x(Code G)		
No load current [A]		5.86		
Rated speed [RPM]		1180		
Slip [%]		1.67		
Rated torque [kgfm]		6.15		
Locked rotor torque [%]		210		
Breakdown torque [%]		229		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		61s (cold) 34s (hot)		
Noise level <sup>2</sup>		59.0 dB(A)		
Efficiency (%)	25%			
	50%	91.0		
	75%	91.7		
	100%	91.7		
Power Factor	25%			
	50%	0.56		
	75%	0.68		
	100%	0.74		
Bearing type	: <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3	Foundation loads		
Sealing	: Without Without	Max. traction : 174 kgf		
	: Bearing Seal Bearing Seal	Max. compression : 271 kgf		
Lubrication interval	: 20000 h 20000 h			
Lubricant amount	: 13 g 8 g			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	13/05/2022		1 / 2	

# LOAD PERFORMANCE CURVE

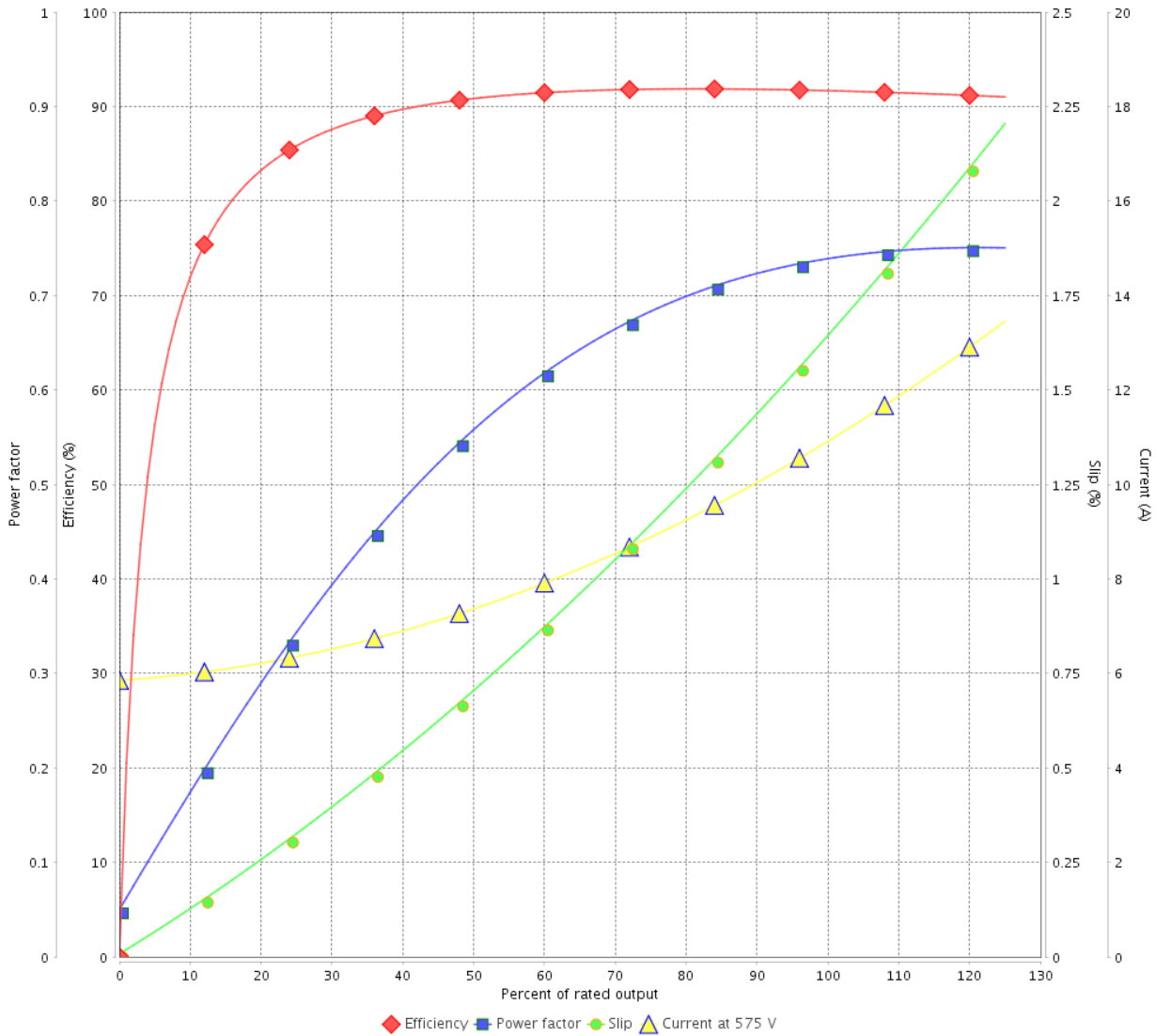
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase      Product code : 12795533

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 6P

Rated current : 11.1 A  
 LRC : 5.3  
 Rated torque : 6.15 kgfm  
 Locked rotor torque : 210 %  
 Breakdown torque : 229 %  
 Rated speed : 1180 rpm

Moment of inertia (J) : 0.1053 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	13/05/2022			