

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 12675411		
Frame	: 182/4T	Cooling method : IC411 - TEFC		
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> : 32.1 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0118 kgm <sup>2</sup>		
Design	: B			
Output [HP]		1.5		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.78		
L. R. Amperes [A]		12.3		
LRC [A]		6.9x(Code K)		
No load current [A]		1.09		
Rated speed [RPM]		1170		
Slip [%]		2.50		
Rated torque [kgfm]		0.930		
Locked rotor torque [%]		240		
Breakdown torque [%]		340		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		99s (cold) 55s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%	82.8		
	50%	84.0		
	75%	86.5		
	100%	87.5		
Power Factor	25%	0.29		
	50%	0.50		
	75%	0.63		
	100%	0.71		
Bearing type	: <u>Drive end</u> 6206 ZZ <u>Non drive end</u> 6205 ZZ	Foundation loads		
Sealing	: V'Ring    Without Bearing Seal	Max. traction : 50 kgf		
Lubrication interval	: -    -	Max. compression : 82 kgf		
Lubricant amount	: -    -			
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

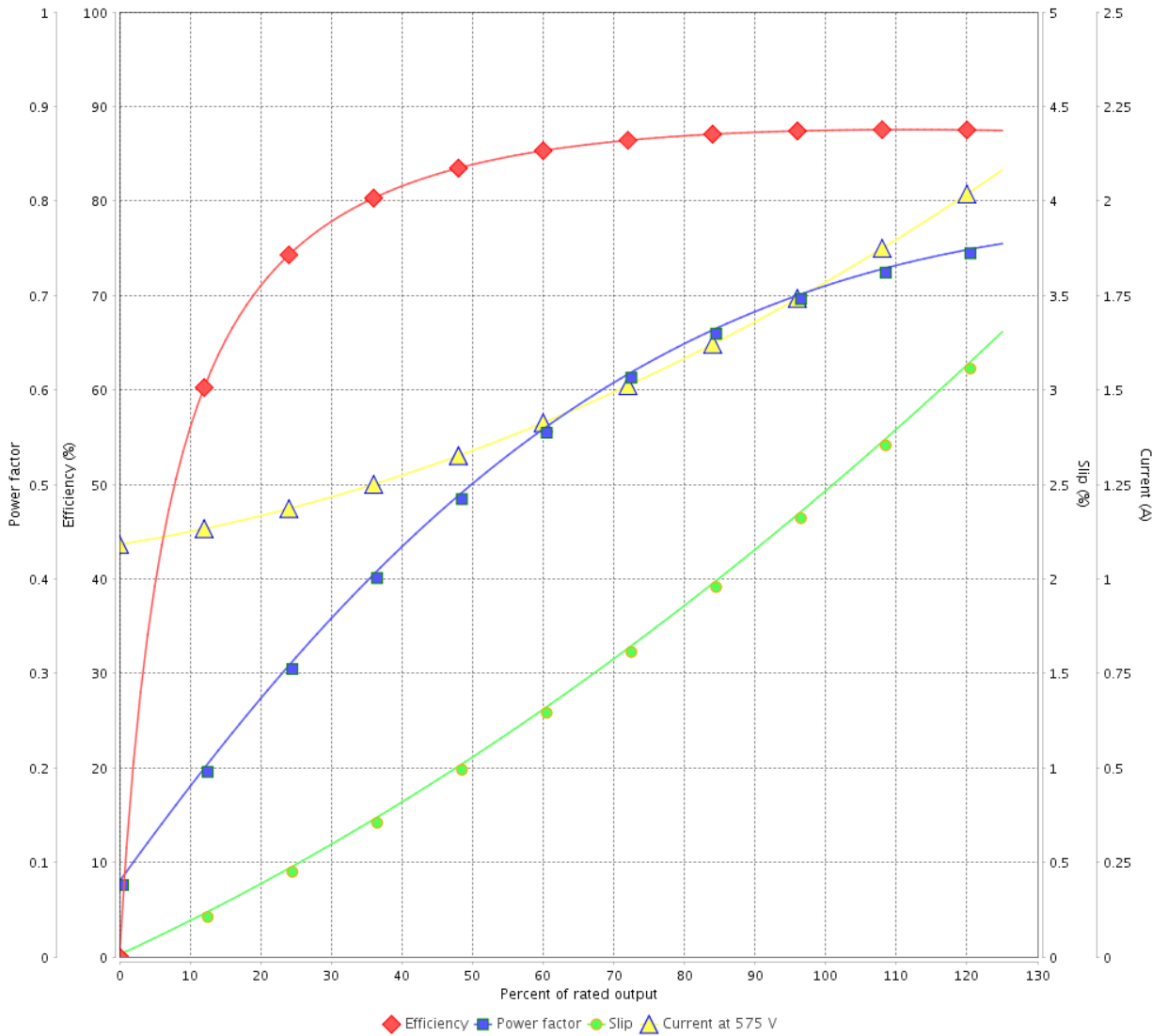
Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase      Product code : 12675411

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 6P

Rated current	: 1.78 A	Moment of inertia (J)	: 0.0118 kgm <sup>2</sup>
LRC	: 6.9	Duty cycle	: Cont.(S1)
Rated torque	: 0.930 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 1170 rpm	Design	: B

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