

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - C type Single-Phase	Product code : 13917953		
Frame	: 56C	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 21.7 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0040 kgm ²		
Design	: L			
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		230		
Rated current [A]		12.7		
L. R. Amperes [A]		102		
LRC [A]		8.0x(Code J)		
No load current [A]		4.00		
Rated speed [RPM]		3490		
Slip [%]		3.06		
Rated torque [kgfm]		0.624		
Locked rotor torque [%]		210		
Breakdown torque [%]		250		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		10s (cold) 6s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	76.0		
	75%	79.0		
	100%	80.0		
Power Factor	25%			
	50%	0.86		
	75%	0.92		
	100%	0.94		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 38 kgf		
Lubrication interval	: - -	Max. compression : 60 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	11/05/2022		1 / 2	

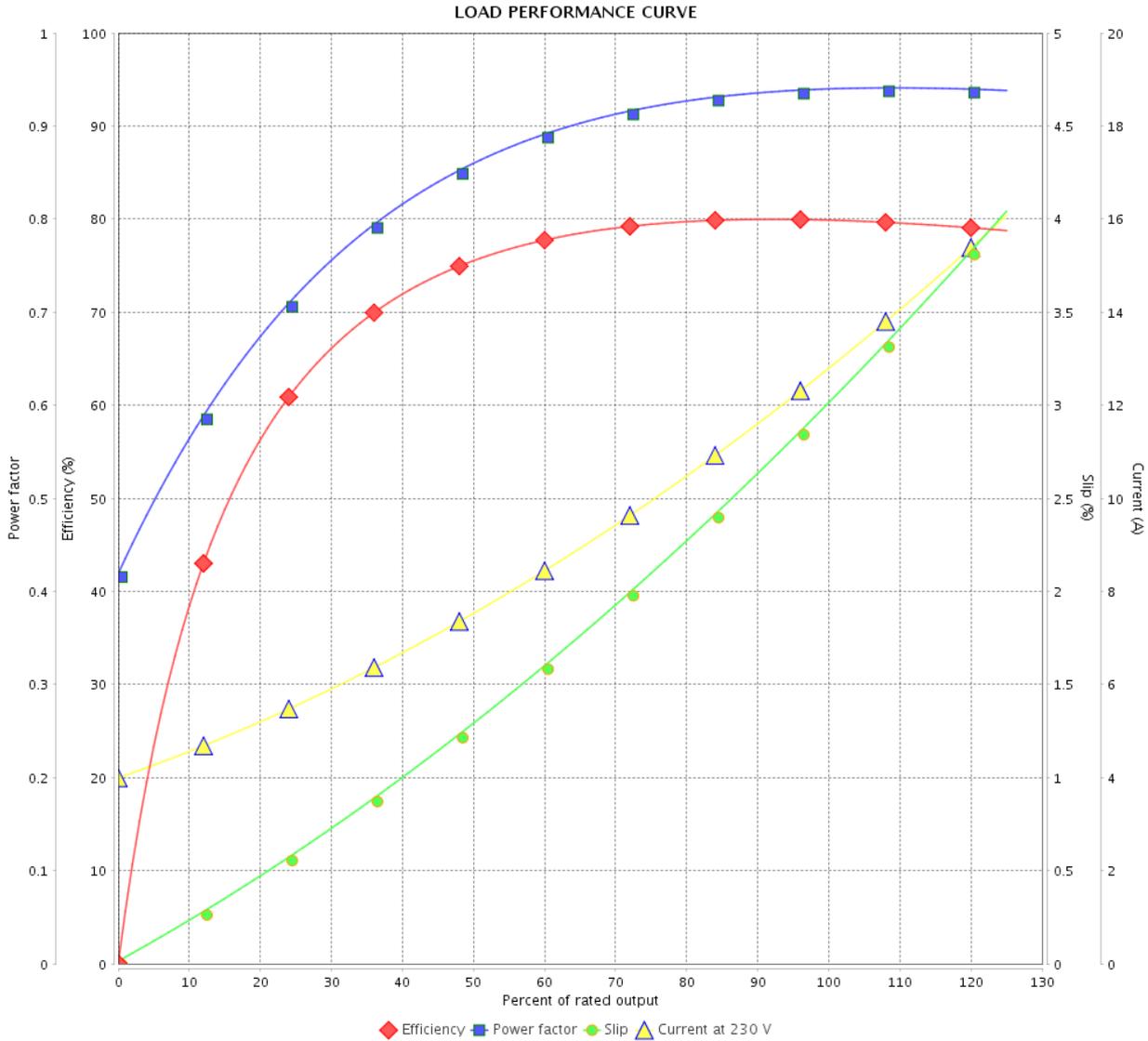
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 13917953



Performance : 230 V 60 Hz 2P

Rated current	: 12.7 A	Moment of inertia (J)	: 0.0040 kgm ²
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.624 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3490 rpm	Design	: L

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	11/05/2022			