DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:					
Product line		: Farm Du	ty Single-Phase	Product code :	10483392	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inertia	ie	: F143T : 1 HP (0.7 : 4 : 60 Hz : 115/230 \cdots : 14.0/7.00 : 91.0/45.5 : 6.5x(Cod : 11.5/5.75 : 1750 rpm : 2.78 % : 0.415 kgi : 320 % : 270 % : B : 1.15 : 0.0056 kgi	V D A 5 A le M) 5 A n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 10s (cold) 6s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 55.0 dB(A) : Direct On Line : 17.5 kg	
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	60.0	67.0	70.3	Max. traction	: 27 kgf	
Power Factor	0.45	0.56	0.65	Max. compression	: 44 kgf	
Bearing type Sealing Lubrication interval Lubricant amount		: : : : : : : : : : : : : : : : : : : :	Drive end 6205 ZZ V'Ring - -	Non drive end 6203 ZZ V'Ring - -		
Lubricant type		:	: Mobil Polyrex EM			

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.

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Date	20/10/2024			1/2	

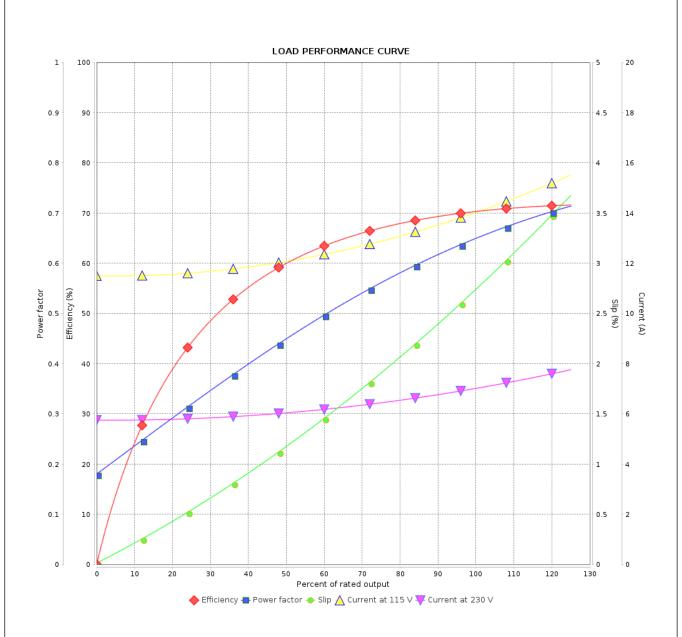
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



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Customer	

Product line : Farm Duty Single-Phase Product code : 10483392



Performance	: 115/230 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 14.0/7.00 A : 6.5 : 0.415 kgfm : 320 % : 270 % : 1750 rpm	Moment Duty cycl Insulation Service f Tempera	n class actor	: 0.0056 kgm : Cont.(S1) : B : 1.15 : 80 K	2
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