

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : ODP NEMA Premium Efficiency Three-Phase		Product code : 14455005				
Frame : 284T Output : 15 HP (11 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 35.4/17.7 A L. R. Amperes : 234/117 A LRC : 6.6x(Code G) No load current : 14.4/7.20 A Rated speed : 1180 rpm Slip : 1.67 % Rated torque : 9.23 kgfm Locked rotor torque : 260 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.2344 kgm ² Design : B	Locked rotor time : 21s (cold) 12s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 58.0 dB(A) Starting method : VFD Approx. weight ³ : 154 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	89.5	91.0	91.7	Max. traction : 292 kgf	
Power Factor	0.00	0.72	0.81	0.85	Max. compression : 446 kgf	
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6311 Z C3	6211 Z C3			
Sealing	:	Without Bearing Seal	Without Bearing Seal			
Lubrication interval	:	20000 h	20000 h			
Lubricant amount	:	18 g	11 g			
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.			
Rev.	Changes Summary			Performed	Checked	Date
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Date	15/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

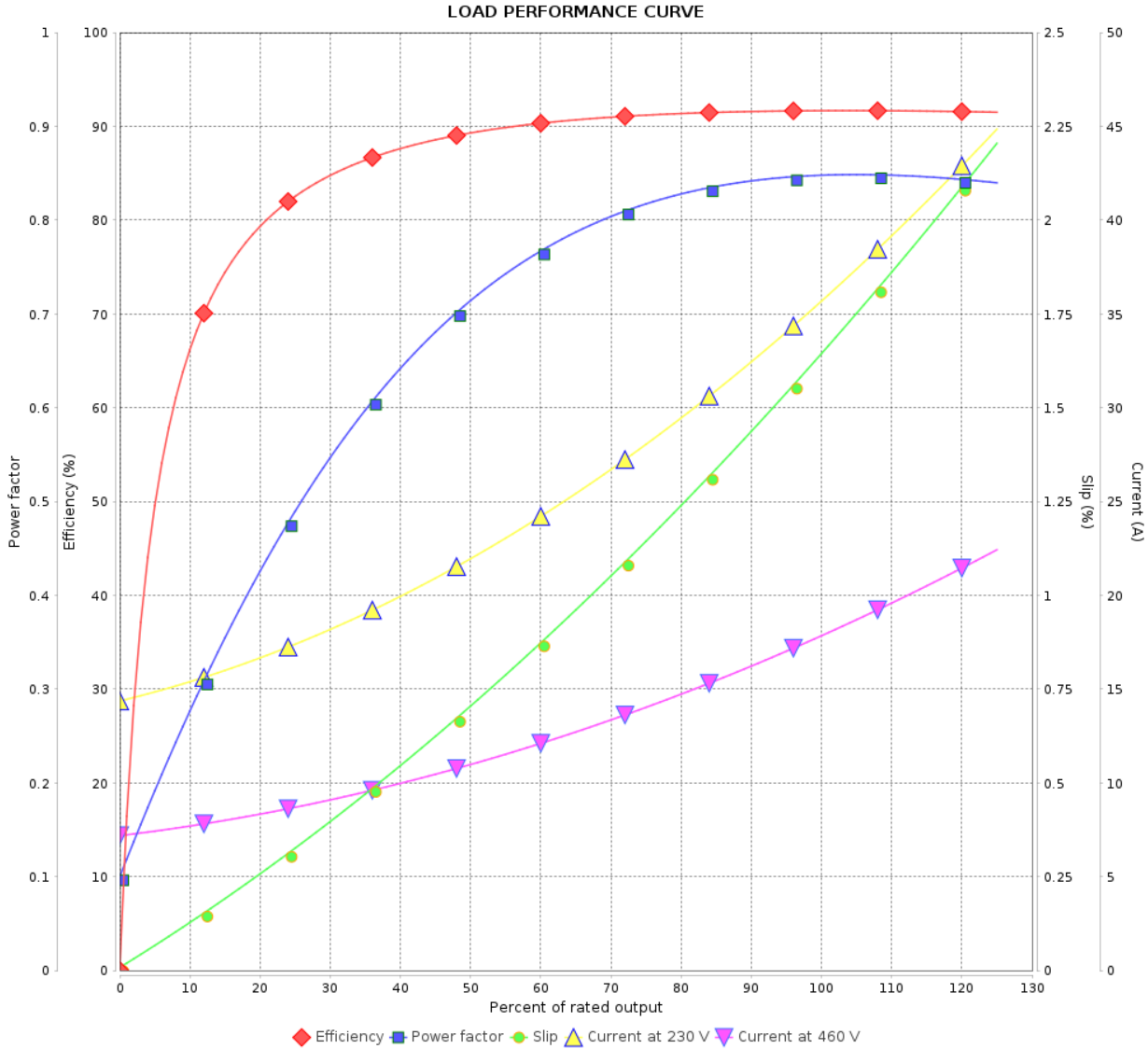
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Performance : 230/460 V 60 Hz 6P

Rated current : 35.4/17.7 A
 LRC : 6.6
 Rated torque : 9.23 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 280 %
 Rated speed : 1180 rpm

Moment of inertia (J) : 0.2344 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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