

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase		Product code : 15037011		
Frame	:	364/5LP		Locked rotor time	: 28s (cold) 16s (hot)	
Output	:	75 HP (55 kW)		Temperature rise	: 80 K	
Poles	:	4		Duty cycle	: Cont.(S1)	
Frequency	:	60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	:	575 V		Altitude	: 1000 m.a.s.l.	
Rated current	:	66.5 A		Protection degree	: IP55	
L. R. Amperes	:	466 A		Cooling method	: IC411 - TEFC	
LRC	:	7.0x(Code G)		Mounting	: W-6	
No load current	:	22.4 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	:	1780 rpm		Noise level ²	: 75.0 dB(A)	
Slip	:	1.11 %		Starting method	: Direct On Line	
Rated torque	:	30.6 kgfm		Approx. weight ³	: 496 kg	
Locked rotor torque	:	240 %				
Breakdown torque	:	290 %				
Insulation class	:	F				
Service factor	:	1.25				
Moment of inertia (J)	:	0.9798 kgm ²				
Design	:	B				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	94.5	95.0	95.4	Max. traction	
Power Factor	0.00	0.74	0.83	0.87	Max. compression	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6314		7311BECB		
Sealing	:	Oil Seal		Lip Seal		
Lubrication interval	:	4895 h		4784 h		
Lubricant amount	:	27 g		18 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
Performed by						
Checked by					Page	Revision
Date	15/01/2024				1 / 2	

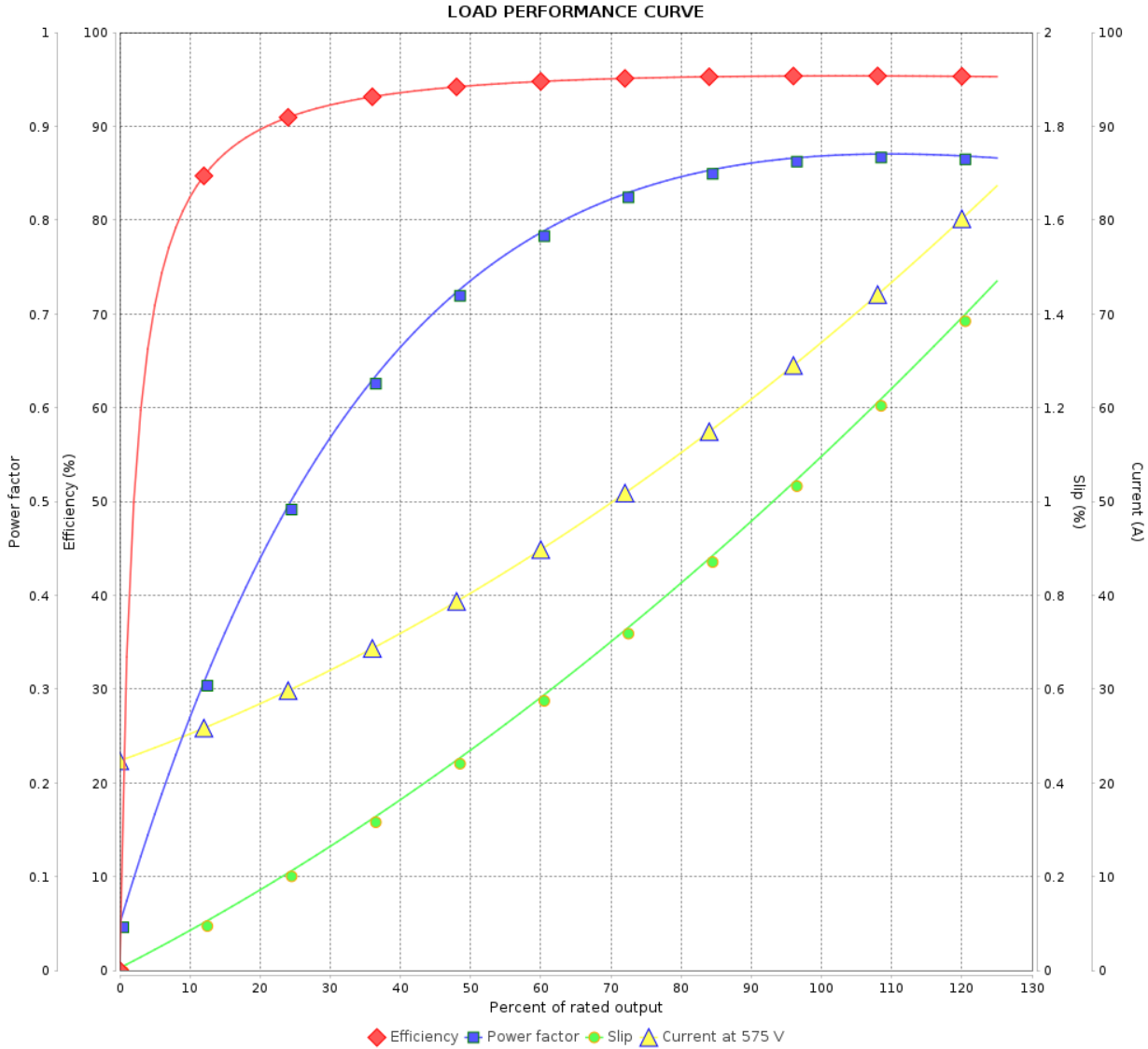
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Product code : 15037011
 Efficiency Three-Phase



Performance : 575 V 60 Hz 4P

Rated current	: 66.5 A	Moment of inertia (J)	: 0.9798 kgm ²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 30.6 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.25
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 1780 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				