

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 16500239

Frame	: 586/7T	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Poles	: 8	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1040-941/471 A	Protection degree	: IP55
L. R. Amperes	: 7904-7152/3580 A	Cooling method	: IC411 - TEFC
LRC	: 7.6x(Code K)	Mounting	: F-1
No load current	: 406-484/242 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 895 rpm	Noise level ²	: 75.0 dB(A)
Slip	: 0.56 %	Starting method	: Direct On Line
Rated torque	: 284 kgfm	Approx. weight ³	: 2034 kg
Locked rotor torque	: 210 %		
Breakdown torque	: 320 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 19.2 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	94.7	95.0	95.0	Max. traction	: 5201 kgf
Power Factor	0.00	0.54	0.67	0.73	Max. compression	: 7235 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	NU-322 C3	6319 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	13000 h	17000 h
Lubricant amount	:	60 g	45 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		Page 1 / 3 Revision		
Checked by				
Date	30/10/2024			

Customer :

Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary		Performed	Checked	Date
Performed by			Page 2 / 3		Revision
Checked by					
Date	30/10/2024				

LOAD PERFORMANCE CURVE

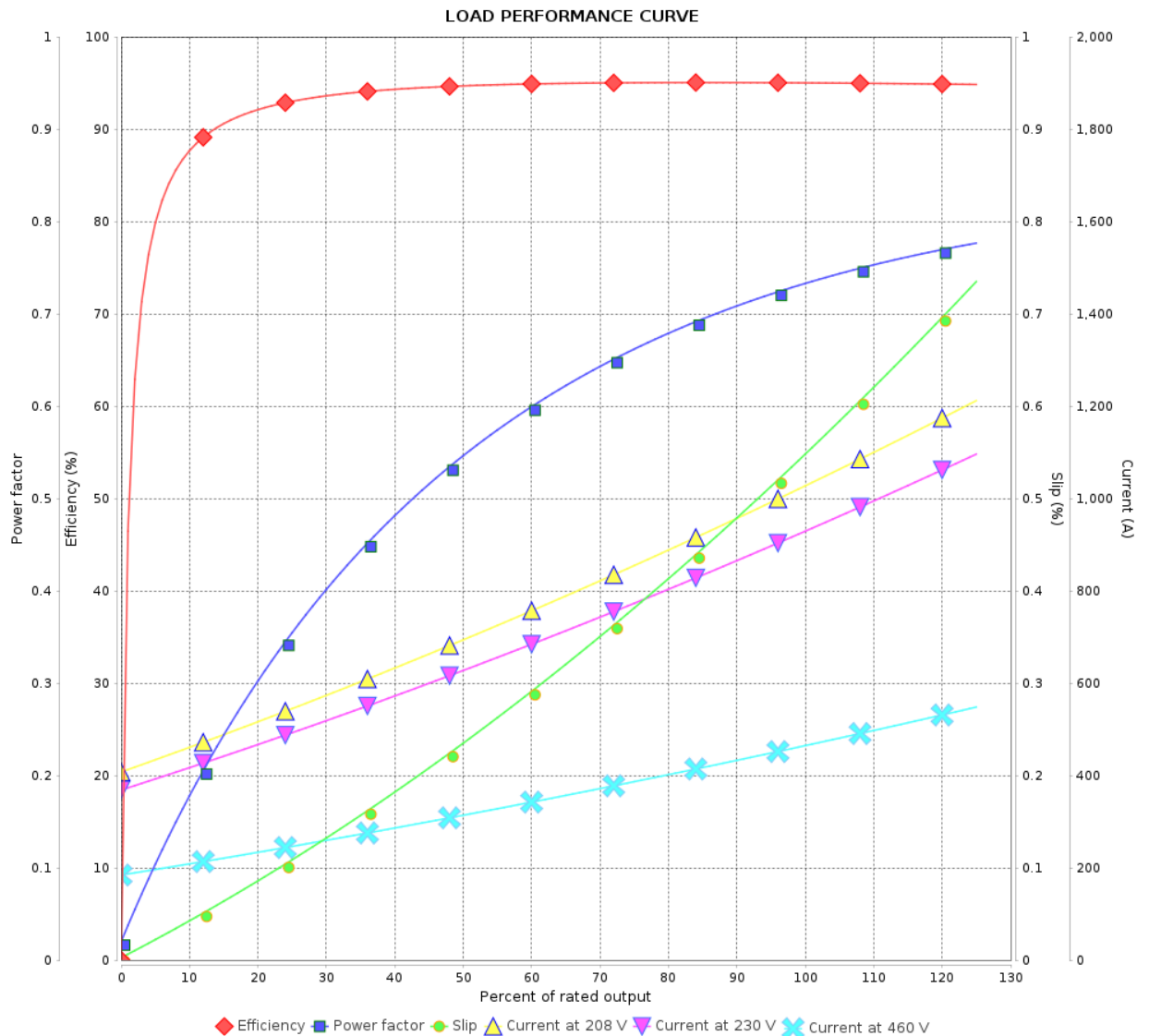
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 16500239



Performance : 208-230/460 V 60 Hz 8P

Rated current : 1040-941/471 A
LRC : 7.6
Rated torque : 284 kgfm
Locked rotor torque : 210 %
Breakdown torque : 320 %
Rated speed : 895 rpm

Moment of inertia (J) : 19.2 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				3 / 3	
Date					

