

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 Brake Motor NEMA Premium Efficiency Three-Phase		Product code :		14213926
Frame	:	284/6T		Locked rotor time	:	43s (cold) 24s (hot)
Output	:	25 HP (18.5 kW)		Temperature rise	:	80 K
Frequency	:	60 Hz		Duty cycle	:	Cont.(S1)
Rated voltage	:	575 V		Ambient temperature	:	-20°C to +40°C
Poles	:	4		Altitude	:	1000 m.a.s.l.
Rated current	:	23.6 A		Protection degree	:	IP55
	:	6.2x(Code G)		Cooling method	:	IC411 - TEFC
Rated speed	:	1770 rpm		Mounting	:	F-1
Rated torque	:	10.3 kgfm		Rotation <sup>1</sup>	:	Both (CW and CCW)
Insulation class	:	F		Noise level <sup>2</sup>	:	63.0 dB(A)
Service factor	:	1.25		Starting method	:	Direct On Line
Moment of inertia (J)	:	0.2153 kgm <sup>2</sup>		Approx. weight <sup>3</sup>	:	214 kg
Design	:	B				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	92.4	93.0	93.6	Max. traction	:	289 kgf
Power Factor	0.70	0.80	0.84	Max. compression	:	502 kgf
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
6.8	5.8	5.3	3.1	2.2	1.4	1.0
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6311 C3		6211 C3		
Sealing	:	V'Ring		Lip 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
Performed by						
Checked by					Page	Revision
Date	30/03/2026				1 / 3	

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

### Brake information

Voltage: 525-575 V  
Brake Torque: 26.5 kgfm

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	30/03/2026		2 / 3	

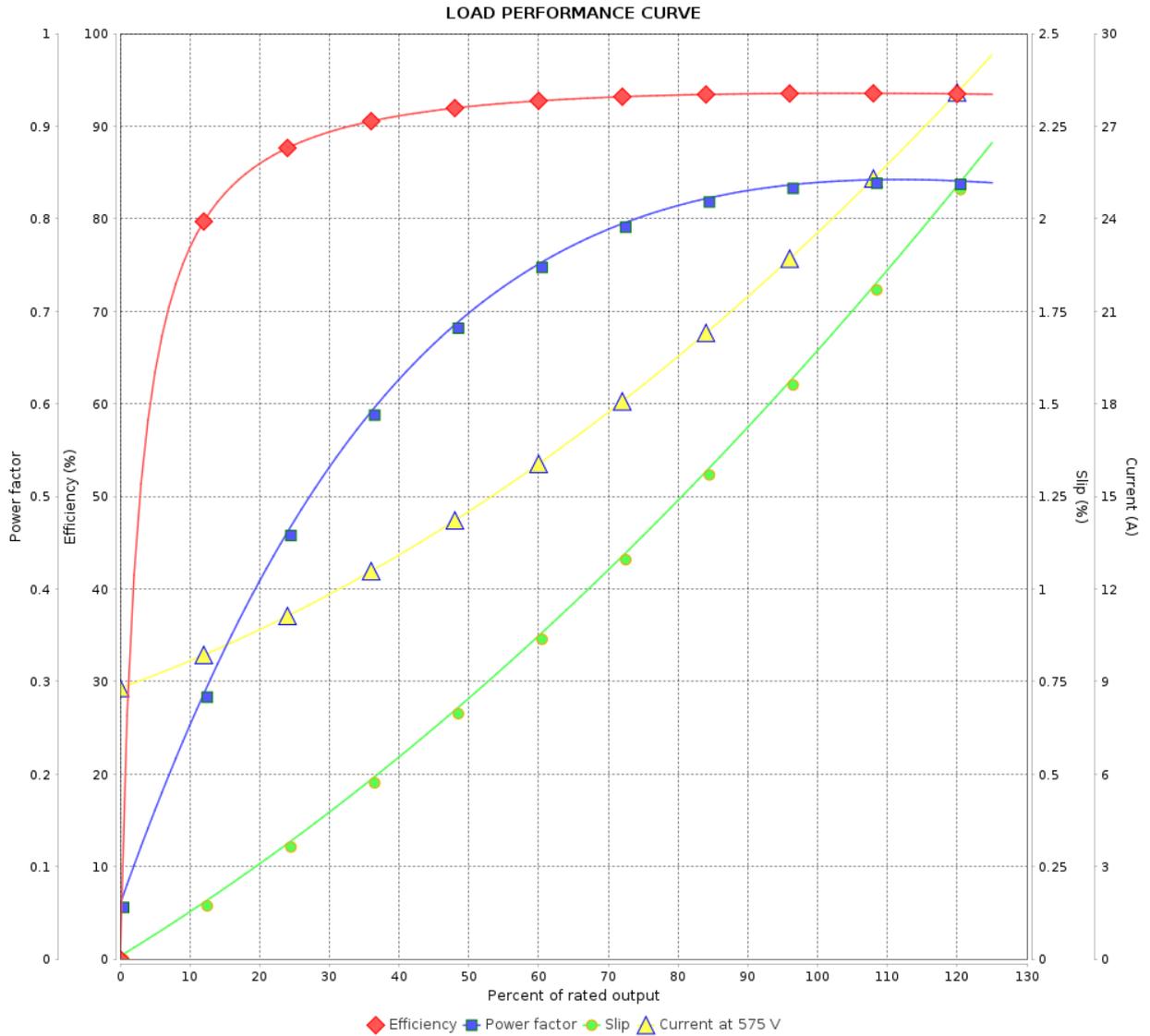
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase      Product code : 14213926



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