

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: W22 Brake Motor NEMA Premium Efficiency Three-Phase		Product code :		19198380	
Frame	: 213/5T	Locked rotor time	: 102s (cold) 57s (hot)	Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)	Rated voltage	: 575 V	Ambient temperature	: -20°C to +40°C
Poles	: 6	Altitude	: 1000 m.a.s.l.	Rated current	: 5.46 A	Protection degree	: IP55
Rated torque	: 3.10 kgfm	Cooling method	: IC411 - TEFC	Rated speed	: 1170 rpm	Mounting	: F-1
Insulation class	: F	Rotation <sup>1</sup>	: Both (CW and CCW)	Rated torque	: 3.10 kgfm	Noise level <sup>2</sup>	: 55.0 dB(A)
Service factor	: 1.25	Starting method	: Direct On Line	Insulation class	: F	Approx. weight <sup>3</sup>	: 88.6 kg
Moment of inertia (J)	: 0.0620 kgm <sup>2</sup>			Service factor	: 1.25		
Design	: B			Moment of inertia (J)	: 0.0620 kgm <sup>2</sup>		
Design	: B			Design	: B		
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	88.5	89.5	89.5	Max. traction	: 105 kgf		
Power Factor	0.58	0.70	0.76	Max. compression	: 193 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)	
11.1	9.1	8.8	5.8	4.0	2.9	2.1	
Bearing type			: <u>Drive end</u>	: <u>Non drive end</u>			
Sealing			: 6308 ZZ	: 6207 ZZ			
Lubrication interval			: V'Ring	: Lip Seal			
Lubricant amount			: -	: -			
Lubricant type			: -	: -			
Lubricant type			: 00088	: 00088			
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	12/05/2026				1 / 3		

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



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

### Brake information

Voltage: 525-575 V  
Brake Torque: 8.15 kgfm

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	12/05/2026		2 / 3	

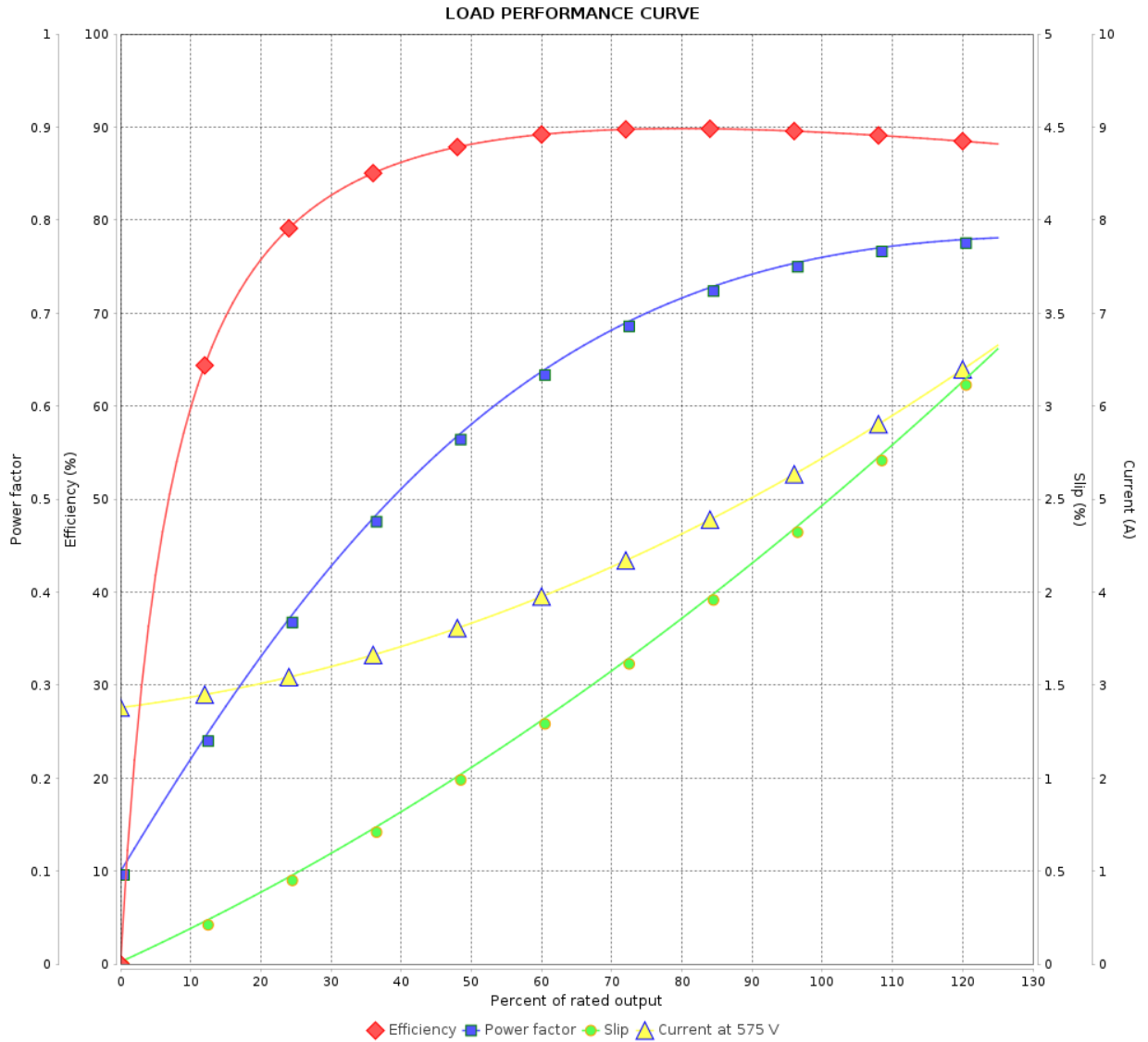
# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase      Product code : 19198380



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 3 / 3	Revision
Checked by				
Date	12/05/2026			