

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11165765

Frame	: 586/7T	Locked rotor time	: 52s (cold) 29s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 337 A	Protection degree	: IP55
L. R. Amperes	: 2021 A	Cooling method	: IC411 - TEFC
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 136 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1192 rpm	Noise level ²	: 77.0 dB(A)
Slip	: 0.67 %	Starting method	: Direct On Line
Rated torque	: 213 kgfm	Approx. weight ³	: 1835 kg
Locked rotor torque	: 190 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 13.8 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	95.4	95.8	95.8	Max. traction	: 2146 kgf
Power Factor	0.67	0.77	0.81	Max. compression	: 3981 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)
5.0	3.7	3.0	3.0	2.0	1.6	0.9

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	NU-322 C3	6319 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	7000 h	13000 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
Checked by				
Date	21/10/2024			
				Revision

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Space heater information

Voltage: 200 - 240 V

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	21/10/2024		2 / 3	

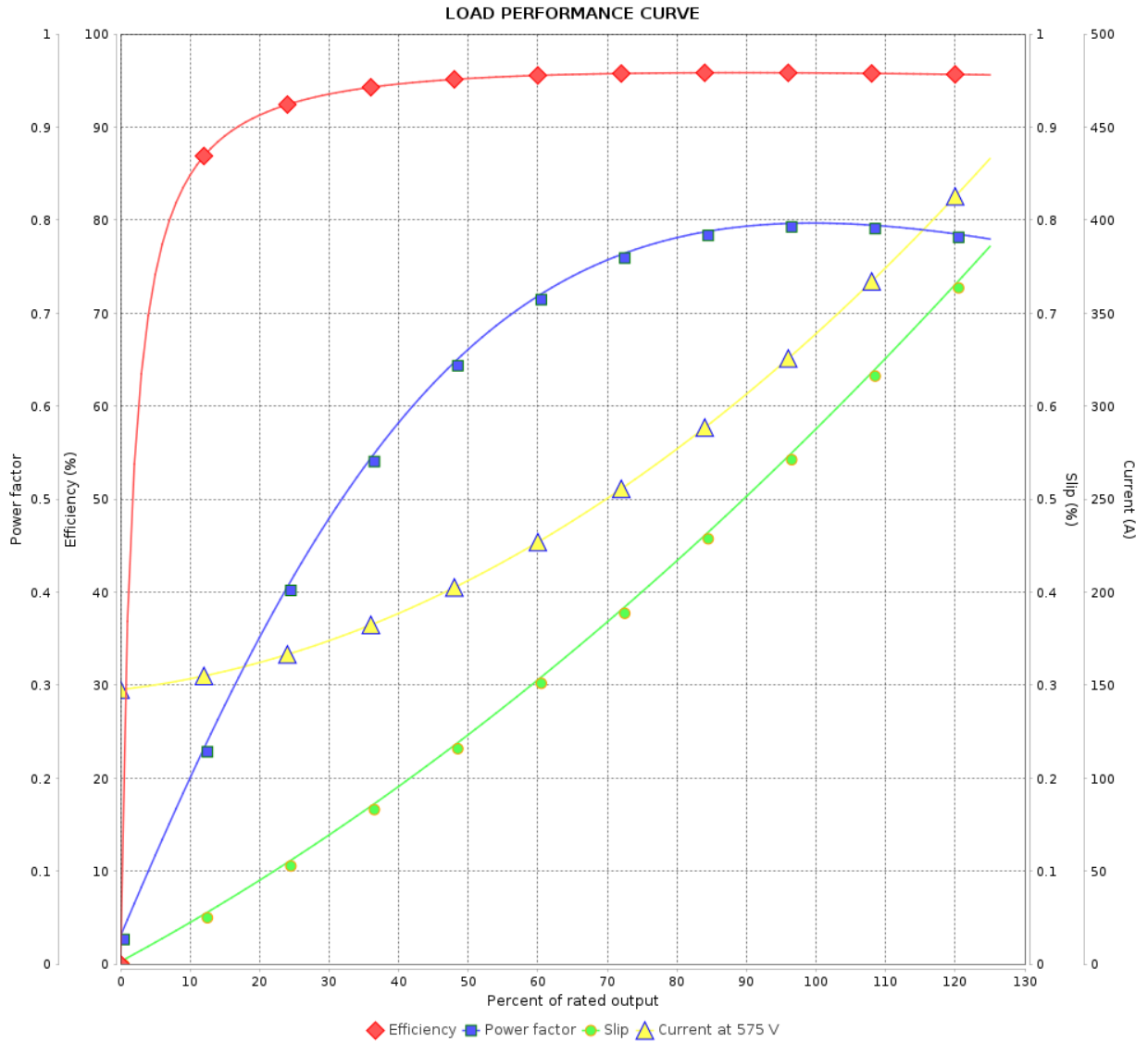
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11165765

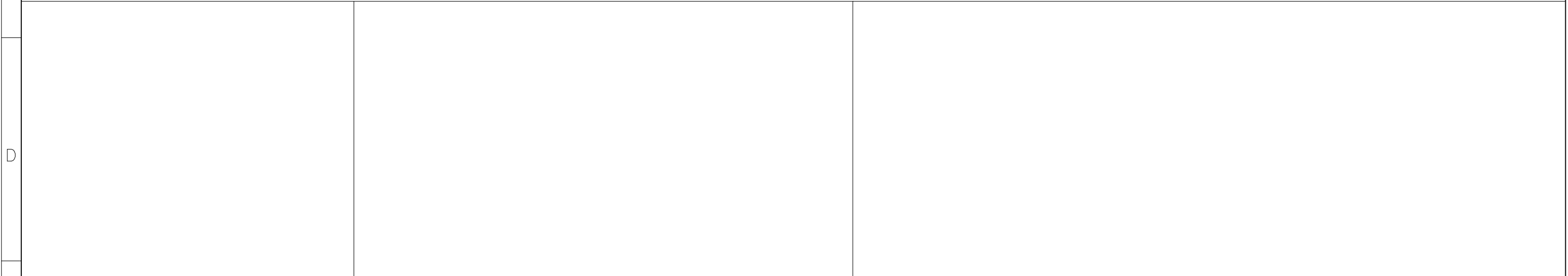
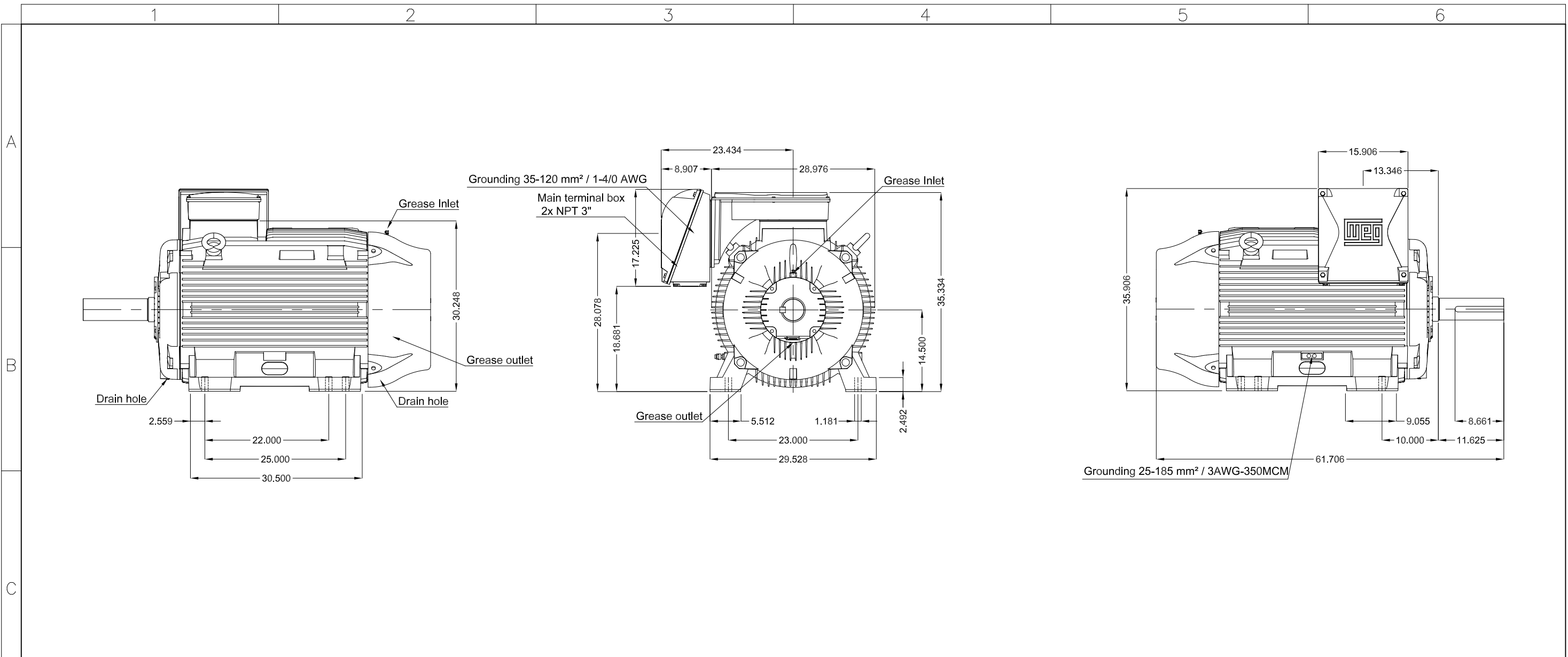


Performance : 575 V 60 Hz 6P

Rated current : 337 A
 LRC : 6.0
 Rated torque : 213 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 210 %
 Rated speed : 1192 rpm

Moment of inertia (J) : 13.8 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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



Without vertical jackscrews		DE Shaft End		350 HP 06 Poles 60 Hz		A	
DE roller bearing						HYBRISUSER 00	
Shaft locking device						ECM LOC SUMMARY OF MODIFICATIONS EXECUTED CHECKED RELEASED DATE VER	
NDE endshield with electrically insulated bearing hub						THREE PH. MOTOR W22 NEMA PREM. EFF.	
Color RAL 5009						FRAME 586/7T IP55 TEFC	
Painting plan 203A						<p>PREVIEW</p> <p>WDD 00</p>	
Mounting B3R(D)		DUNC 7/8"-9 WEG WPR-7339				SHEET /	

