

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	13163959			
Frame	: 586/7T	Locked rotor time	: 63s (cold) 35s (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	: 575 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 341 A	Protection degree	: IP55			
L. R. Amperes	: 2181 A	Cooling method	: IC411 - TEFC			
LRC	: 6.4x(Code G)	Mounting	: F-1			
No load current	: 136 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 893 rpm	Noise level ²	: 75.0 dB(A)			
Slip	: 0.78 %	Starting method	: Direct On Line			
Rated torque	: 284 kgfm	Approx. weight ³	: 2025 kg			
Locked rotor torque	: 160 %					
Breakdown torque	: 229 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 20.4 kgm ²					
Output	50%	75%	100%			
Efficiency (%)	95.4	95.8	95.8			
Power Factor	0.64	0.75	0.80			
Foundation loads						
Max. traction			: 3466 kgf			
Max. compression			: 5491 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)
4.7	3.8	3.3	2.5	1.8	1.4	0.9
		<u>Drive end</u>			<u>Non drive end</u>	
Bearing type	:	6322 C3			6319 C3	
Sealing	:	Taconite Labyrinth			Taconite Labyrinth	
Lubrication interval	:	14000 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
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Space heater information

Voltage: 200 - 240 V

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LOAD PERFORMANCE CURVE

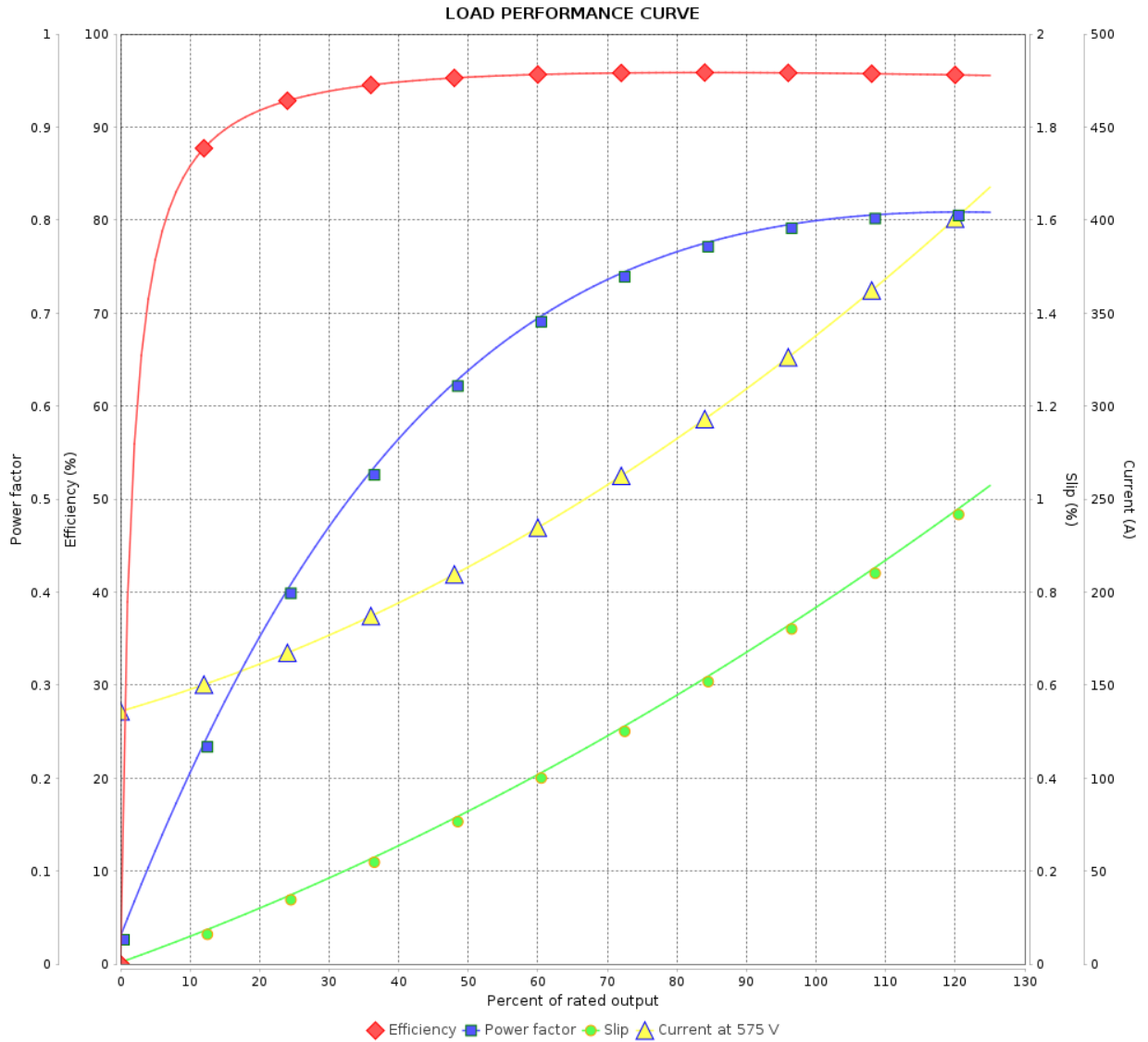
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13163959

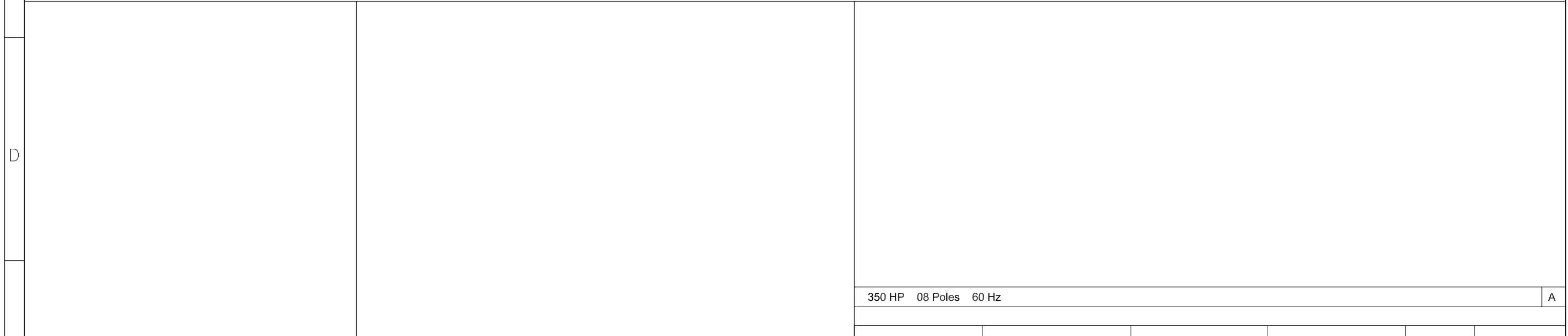
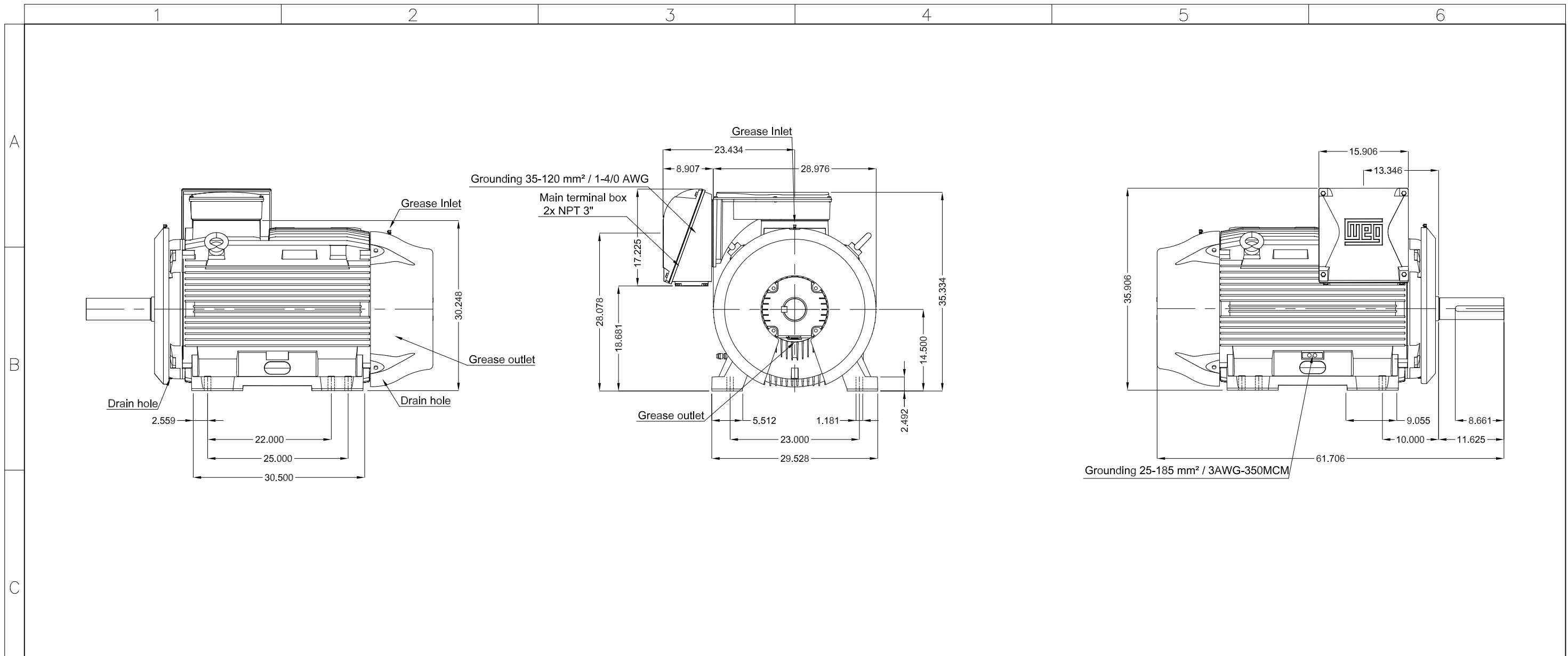


Performance : 575 V 60 Hz 8P

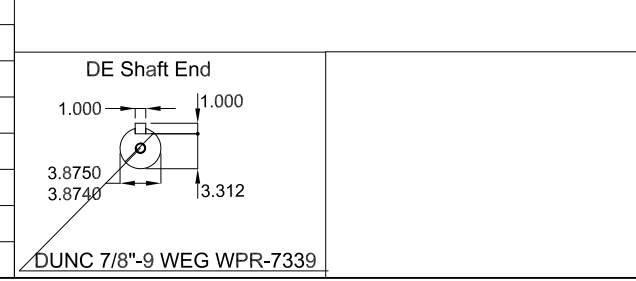
Rated current : 341 A
 LRC : 6.4
 Rated torque : 284 kgfm
 Locked rotor torque : 160 %
 Breakdown torque : 229 %
 Rated speed : 893 rpm

Moment of inertia (J) : 20.4 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K

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Date				



Without vertical jackscrews
NDE endshield with electrically insulated bearing hub
Drive-End Air Deflector
Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B3R(D)



350 HP 08 Poles 60 Hz A

						HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 NEMA PREM. EFF. FRAME 586/7T IP55 TEFC				EXECUTED				
CHECKED										
RELEASED										
REL. DATE										

PREVIEW

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