

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code :		11165766
Frame	:	586/7T		Locked rotor time	:	52s (cold) 29s (hot)
Output	:	400 HP (300 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	:	386 A		Protection degree	:	IP55
L. R. Amperes	:	2318 A		Cooling method	:	IC411 - TEFC
LRC	:	6.0x(Code G)		Mounting	:	F-1
No load current	:	152 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	:	243 kgfm		Approx. weight ³	:	1988 kg
Locked rotor torque	:	200 %				
Breakdown torque	:	210 %				
Insulation class	:	F				
Service factor	:	1.15				
Moment of inertia (J)	:	15.5 kgm ²				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	95.4	95.8	96.2	Max. traction : 2507 kgf		
Power Factor	0.67	0.77	0.81	Max. compression : 4495 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)
4.6	3.4	2.7	2.8	1.8	1.5	0.8
Bearing type		Drive end		Non drive end		
:		NU-322 C3		6319 C3		
Sealing		Taconite Labyrinth		Taconite Labyrinth		
:		7000 h		13000 h		
Lubrication interval		60 g		45 g		
:		Mobil Polyrex EM				
Lubricant amount						
:						
Lubricant type						
:						
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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Checked by			Page	Revision
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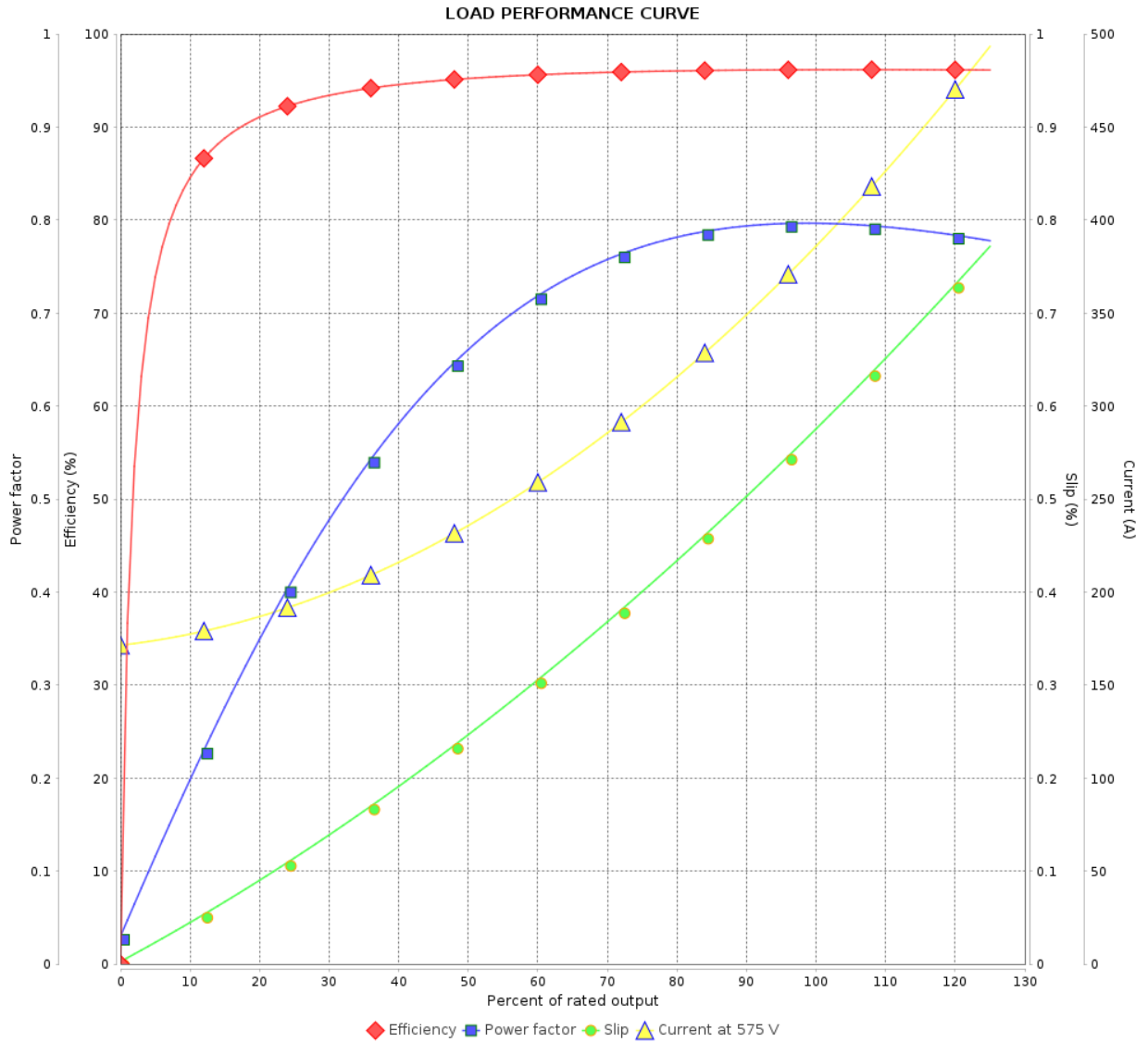
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11165766

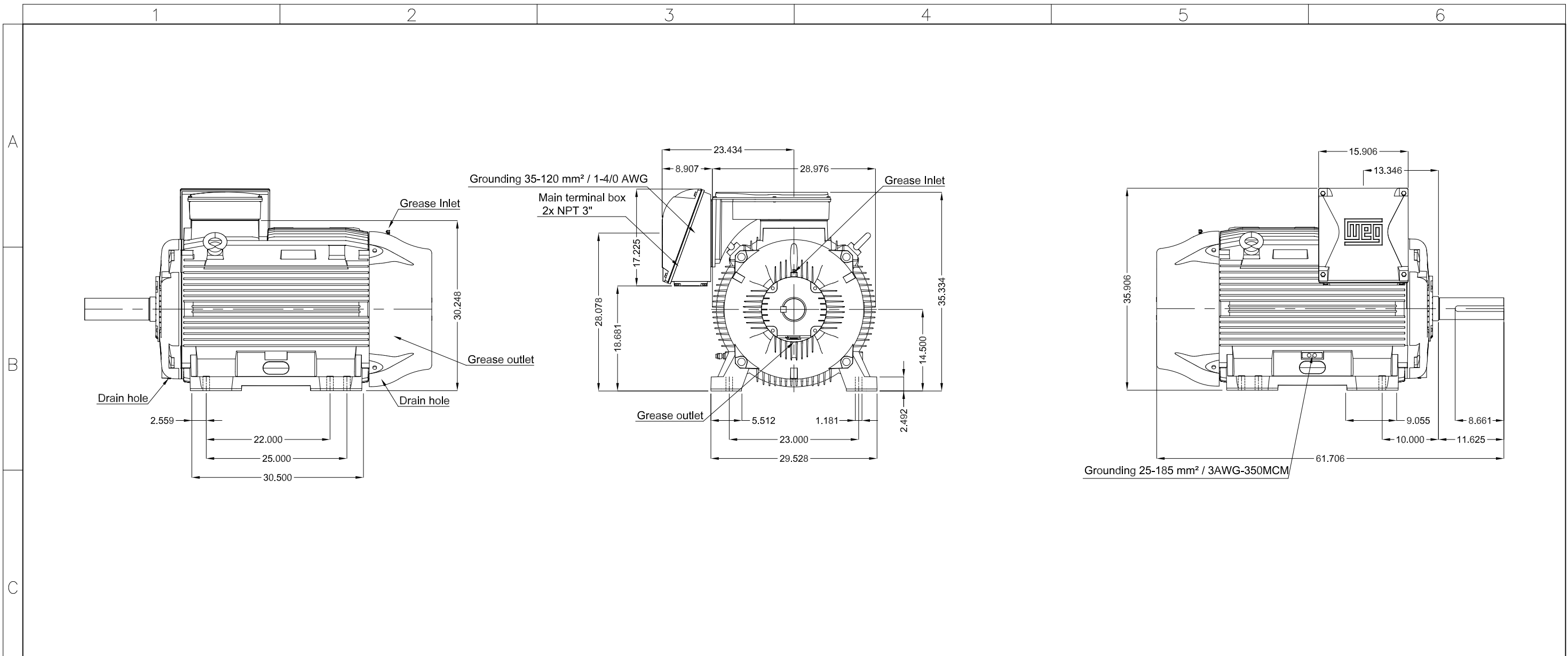


Performance : 575 V 60 Hz 6P

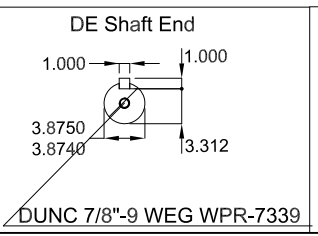
Rated current : 386 A
 LRC : 6.0
 Rated torque : 243 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 210 %
 Rated speed : 1192 rpm

Moment of inertia (J) : 15.5 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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Without vertical jackscrews				400 HP 06 Poles 60 Hz		A
DE roller bearing						
Shaft locking device						
NDE endshield with electrically insulated bearing hub						
Color RAL 5009						
Painting plan 203A						
Mounting B3R(D)						



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

PREVIEW
WDD 00
SHEET /