

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase		Product code :		12038016
Frame	: 213/5JM		Locked rotor time	: 32s (cold) 18s (hot)		
Output	: 10 HP (7.5 kW)		Temperature rise	: 80 K		
Poles	: 2		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	: 9.28 A		Protection degree	: IP55		
L. R. Amperes	: 66.8 A		Cooling method	: IC411 - TEFC		
LRC	: 7.2x(Code H)		Mounting	: F-1		
No load current	: 2.88 A		Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 3530 rpm		Noise level <sup>2</sup>	: 68.0 dB(A)		
Slip	: 1.94 %		Starting method	: Direct On Line		
Rated torque	: 2.06 kgfm		Approx. weight <sup>3</sup>	: 81.1 kg		
Locked rotor torque	: 220 %					
Breakdown torque	: 290 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0268 kgm <sup>2</sup>					
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	89.5	90.2	90.2	Max. traction	: 69 kgf	
Power Factor	0.79	0.87	0.90	Max. compression	: 151 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)
10.7	8.7	7.8	5.2	3.3	2.1	1.3
Bearing type			Drive end	Non drive end		
: 6309 Z C3			6309 Z C3	6207 ZZ		
Sealing			V'Ring	V'Ring		
: 19000 h			19000 h	40000 h		
Lubrication interval			Lubricant amount	Lubricant type		
: 13 g			13 g	0 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	23/10/2024				1 / 2	

# LOAD PERFORMANCE CURVE

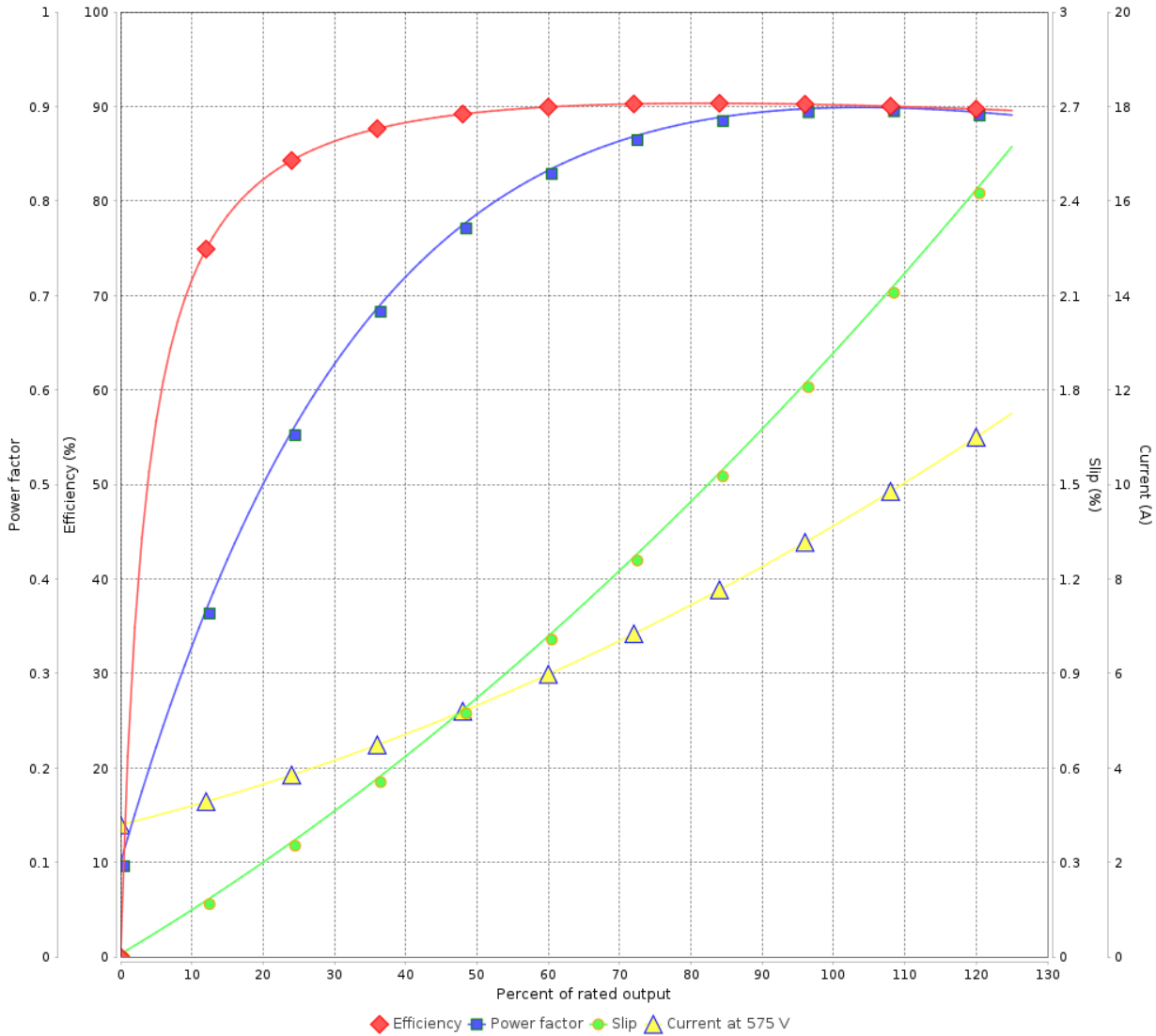
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JM  
 NEMA Premium Efficiency Three-Phase  
 Product code : 12038016

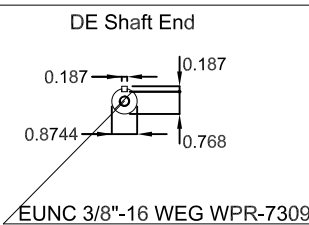
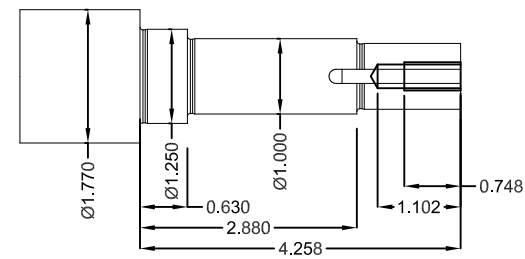
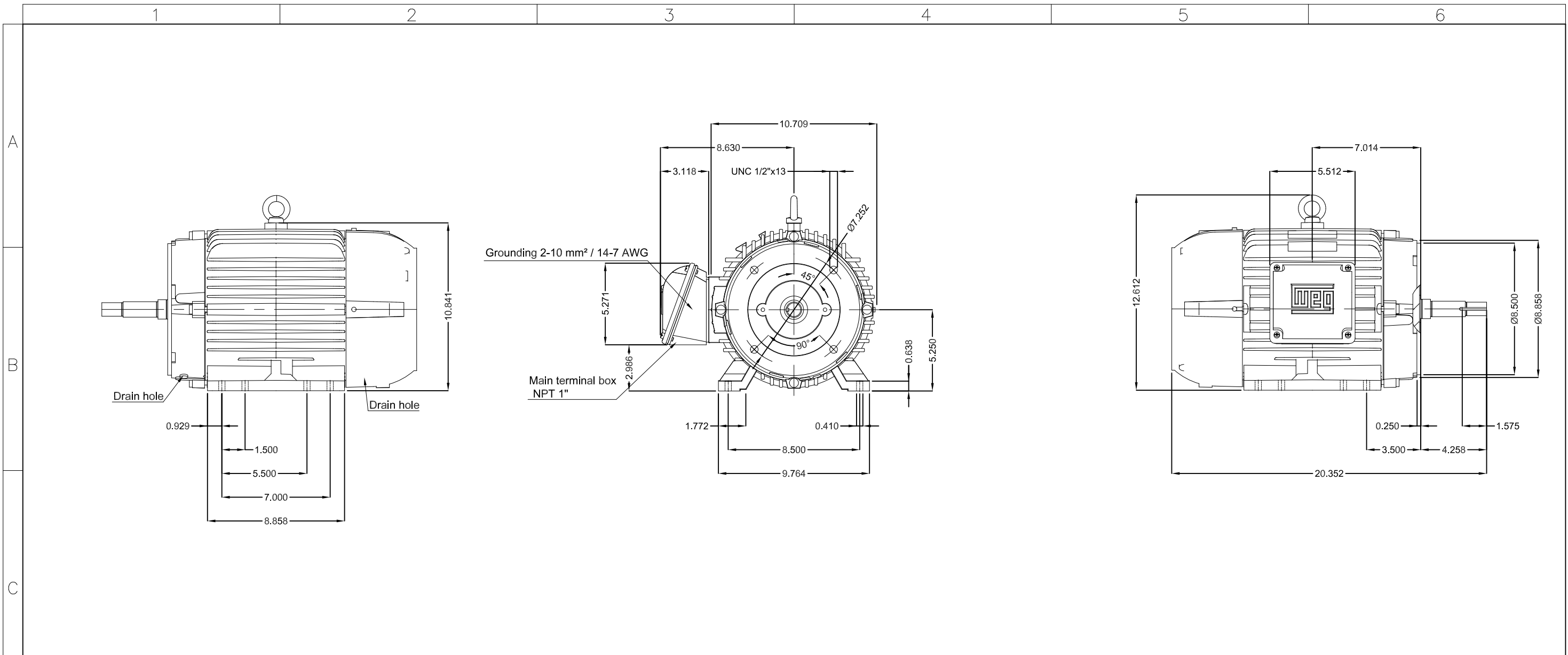
LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current	: 9.28 A	Moment of inertia (J)	: 0.0268 kgm <sup>2</sup>
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 2.06 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
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Date	23/10/2024			



Color RAL 5009  
 Painting plan 207A  
 Mounting B34R(D)

EUNC 3/8"-16 WEG WPR-7309

10 HP 02 Poles 60 Hz										A	
HYBRISUSER										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR JM/JP/JET PUMP W22 NEMA PREM. EFF. FRAME 213/5JM IP55 TEFC					EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED							EXECUTED	CHECKED	RELEASED	DATE	VER
RELEASED							EXECUTED	CHECKED	RELEASED	DATE	VER
REL. DATE							EXECUTED	CHECKED	RELEASED	DATE	VER
						PREVIEW		WDD 00		SHEET /	

