

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12706984			
Frame	:	254/6TC		Locked rotor time	:	16s (cold) 9s (hot)	
Output	:	25 HP (18.5 kW)		Temperature rise	:	80 K	
Frequency	:	60 Hz		Duty cycle	:	Cont.(S1)	
Rated voltage	:	575 V		Ambient temperature	:	-20°C to +40°C	
Poles	:	2		Altitude	:	1000 m.a.s.l.	
Rated current	:	23.3 A		Cooling method	:	IC01 - ODP	
	:	6.3x(Code G)		Mounting	:	F-1	
Rated speed	:	3530 rpm		Rotation ¹	:	Both (CW and CCW)	
Rated torque	:	5.14 kgfm		Noise level ²	:	70.0 dB(A)	
Insulation class	:	F		Starting method	:	Direct On Line	
Service factor	:	1.15		Approx. weight ³	:	88.9 kg	
Moment of inertia (J)	:	0.0386 kgm ²					
Design	:	B					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	91.0	91.7	91.7	Max. traction : 190 kgf			
Power Factor	0.73	0.83	0.87	Max. compression : 279 kgf			
Bearing type	:	Drive end 6309 Z C3		Non drive end 6208 Z C3			
Sealing	:	Without Bearing Seal		Without Bearing Seal			
Lubrication interval	:	20000 h		20000 h			
Lubricant amount	:	13 g		8 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							
Date	15/05/2026				Page	Revision	
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LOAD PERFORMANCE CURVE

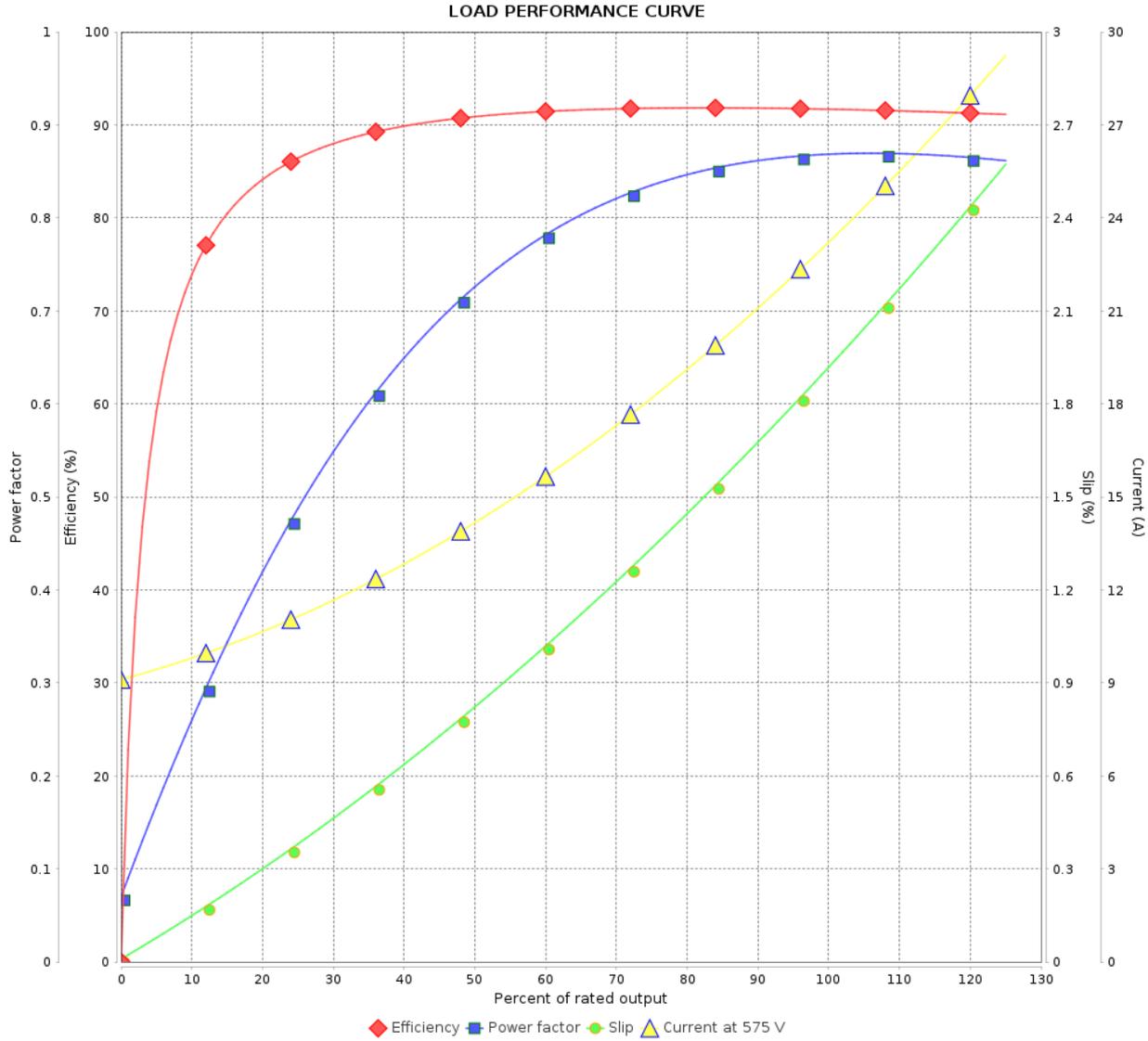
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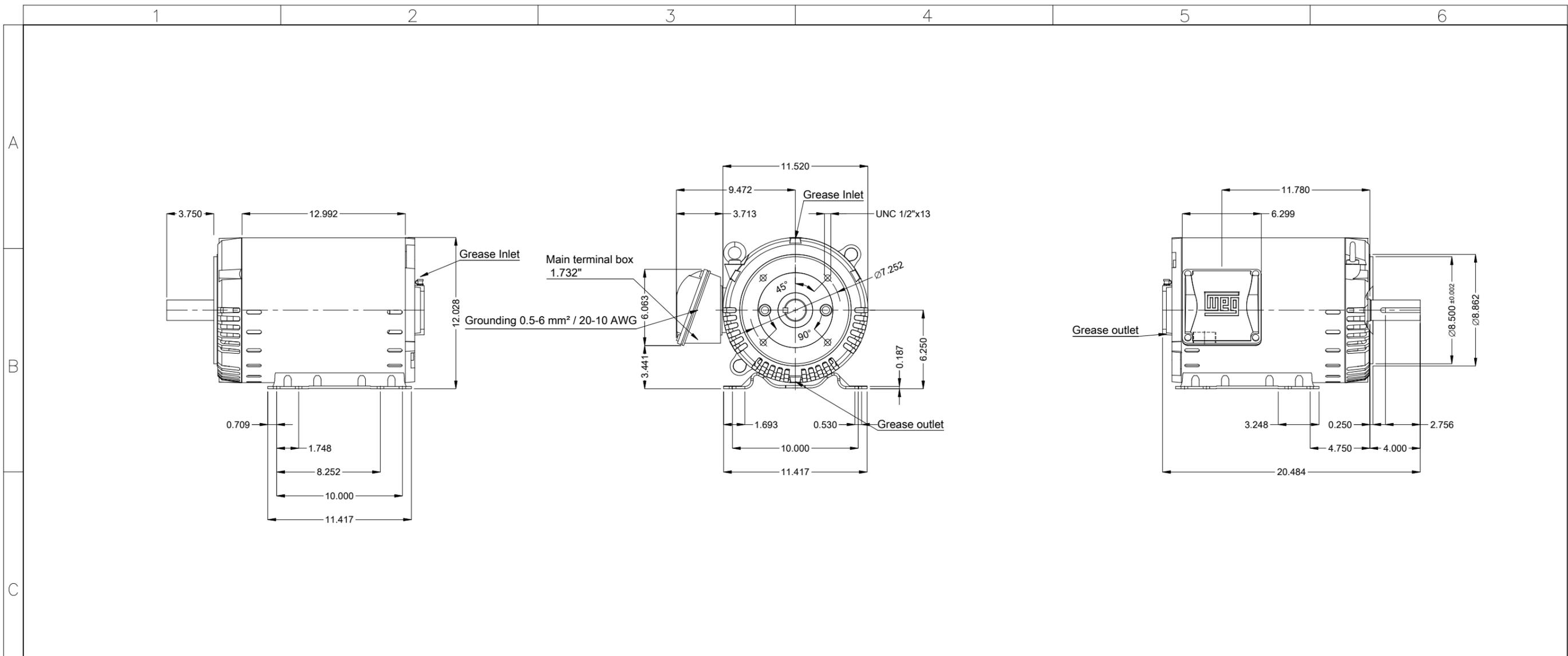
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Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

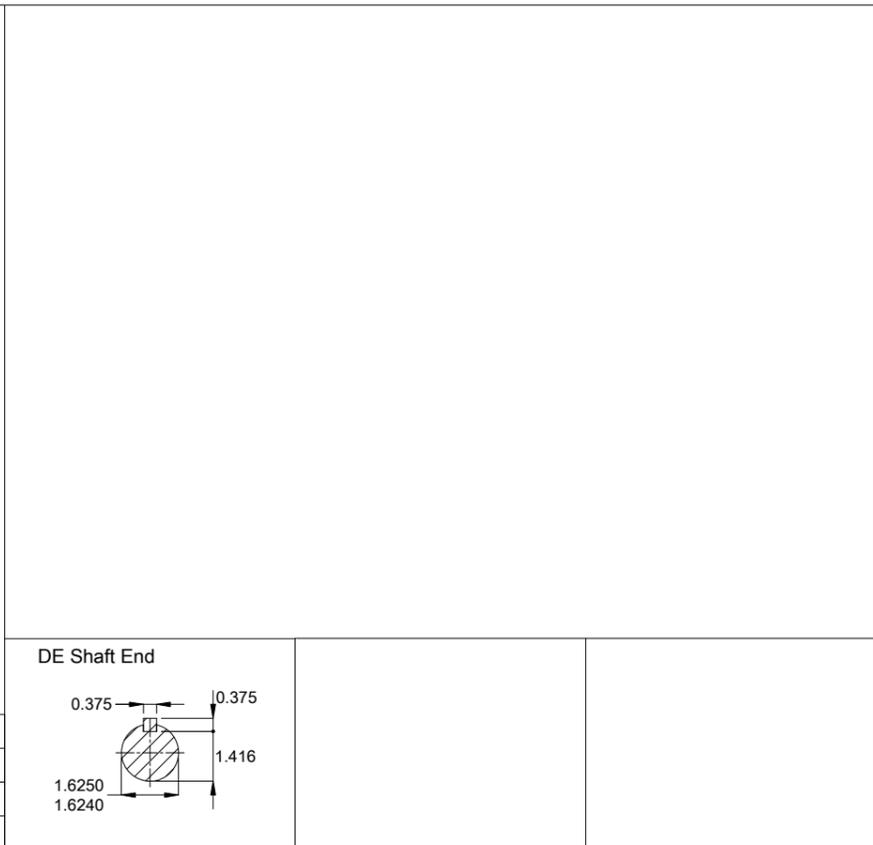
Product code : 12706984



Rev.	Changes Summary	Performed	Checked	Date
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Checked by				
Date				



Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B34R(D)
Mounting B34D



25 HP 02 Poles 60 Hz										A	
Scale 1 : 8											
HYBRISUSER										00	
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF.					PREVIEW		WDD 00		
CHECKED		FRAME 254/6TC IP21 ODP					SHEET 1 / 1				
RELEASED											
REL. DATE											