

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: ODP High Efficiency Three-Phase	Product code :	11997217	
Frame	: 284TC	Cooling method	: IC01 - ODP		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 0.0 kg		
Protection degree	: IP23	Moment of inertia (J)	: 0.1166 kgm ²		
Design	: B				
Output [HP]	25	25	25	25	
Poles	4	4	4	4	
Frequency [Hz]	60	50	50	50	
Rated voltage [V]	230/460	380	400	415	
Rated current [A]	60.2/30.1	37.4	35.9	34.6	
L. R. Amperes [A]	361/181	168	180	187	
LRC [A]	6.0x(Code G)	4.5x(Code D)	5.0x(Code E)	5.4x(Code F)	
No load current [A]	23.0/11.5	10.8	11.8	12.7	
Rated speed [RPM]	1765	1445	1450	1455	
Slip [%]	1.94	3.67	3.33	3.00	
Rated torque [kgfm]	10.3	12.6	12.5	12.5	
Locked rotor torque [%]	220	170	190	210	
Breakdown torque [%]	250	180	200	220	
Service factor	1.15	1.15	1.15	1.15	
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	23s (cold) 13s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	23s (cold) 13s (hot)	
Noise level ²	62.0 dB(A)				
Efficiency (%)	25%				
	50%	91.0	88.5	88.5	
	75%	91.7	90.2	89.5	
	100%	91.7	88.5	89.5	
Power Factor	25%				
	50%	0.70	0.75	0.72	
	75%	0.79	0.83	0.81	
	100%	0.84	0.85	0.84	
Bearing type	: Drive end 6311 Z C3	Non drive end 6211 Z C3	Foundation loads		
Sealing	: Without	Without	Max. traction	: 392 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 392 kgf	
Lubrication interval	: 20000 h	20000 h			
Lubricant amount	: 18 g	11 g			
Lubricant type	: Mobil Polyrex EM				
Notes USABLE @208V 66.6A SF 1.15 SFA 76.6A					
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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Checked by				Page	Revision
Date	01/04/2025			1 / 5	

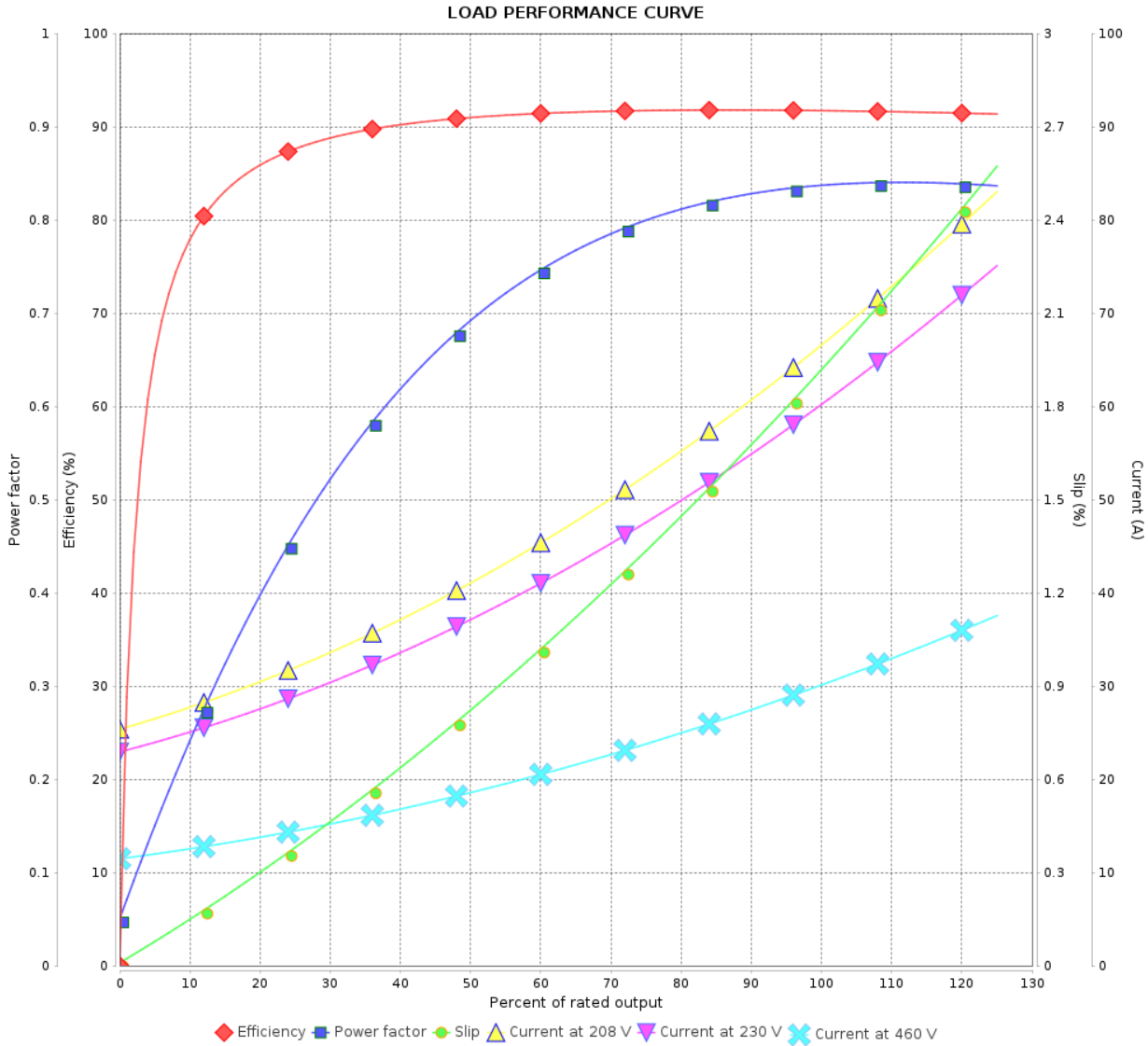
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Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11997217



Performance : 230/460 V 60 Hz 4P

Rated current : 60.2/30.1 A
 LRC : 6.0
 Rated torque : 10.3 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.1166 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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Date				

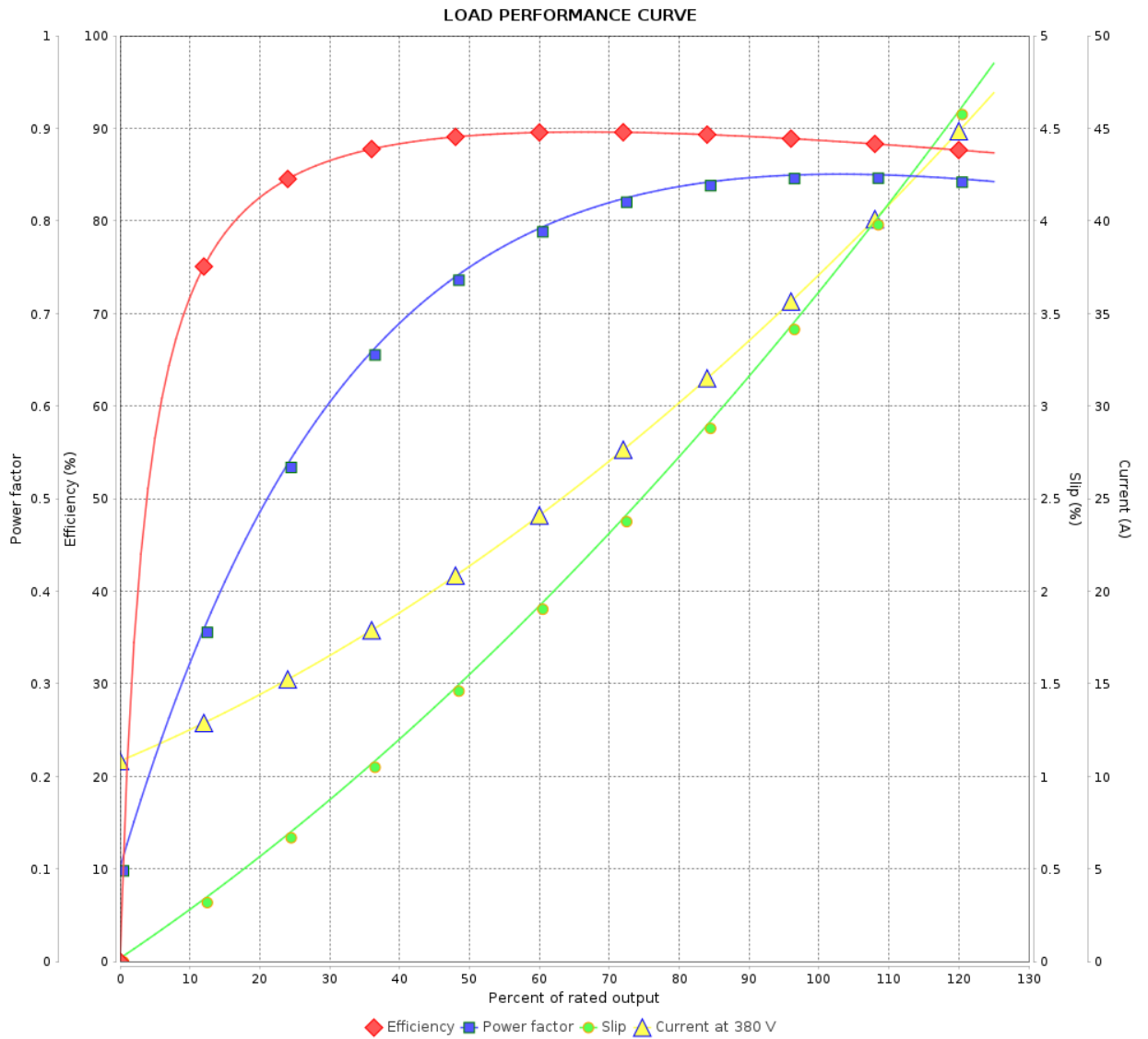
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11997217



Performance : 380 V 50 Hz 4P

Rated current : 37.4 A
 LRC : 4.5
 Rated torque : 12.6 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 180 %
 Rated speed : 1445 rpm

Moment of inertia (J) : 0.1166 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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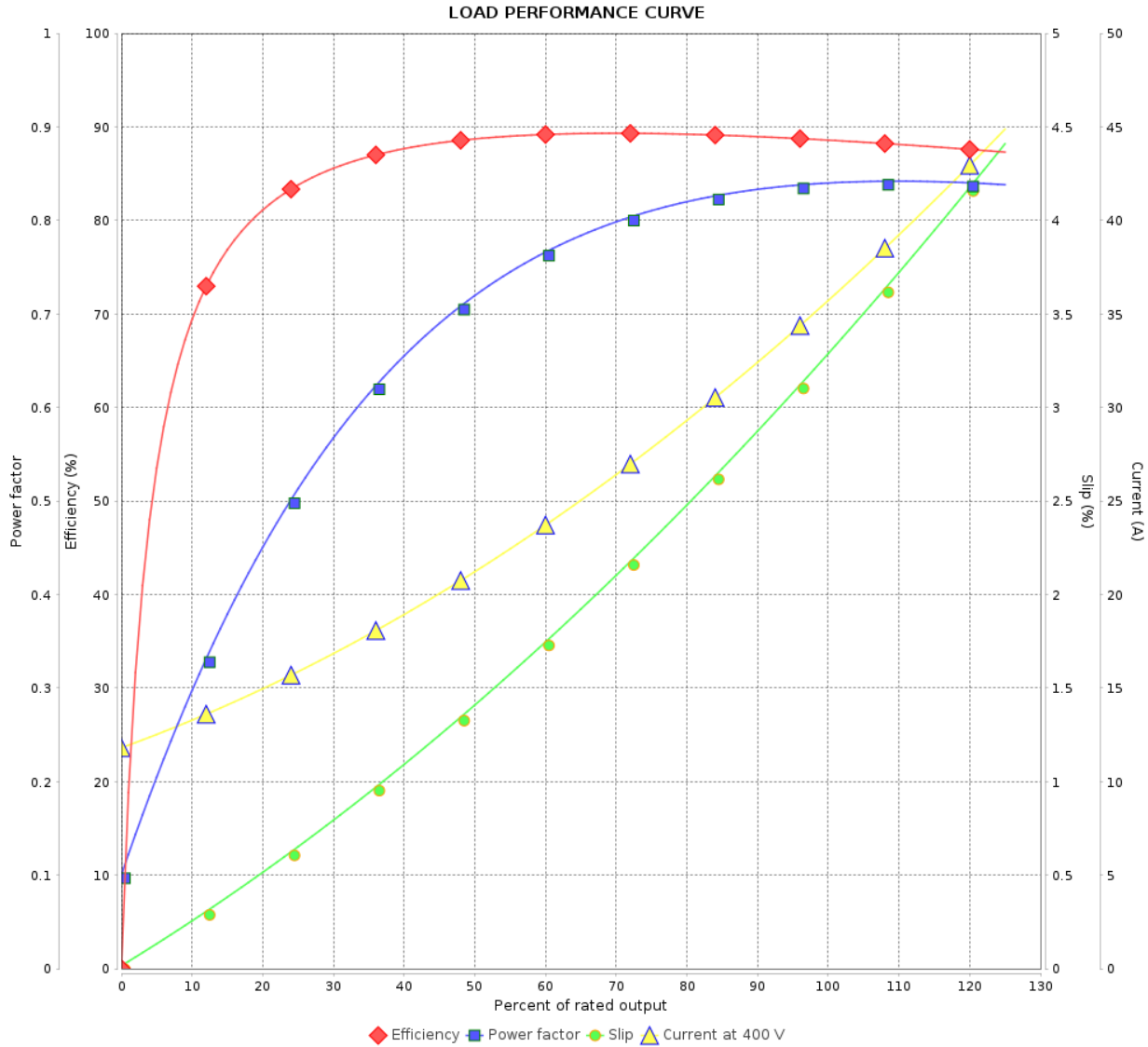
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : ODP High Efficiency Three-Phase Product code : 11997217



Performance : 400 V 50 Hz 4P

Rated current : 35.9 A
 LRC : 5.0
 Rated torque : 12.5 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 200 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.1166 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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Date	01/04/2025			

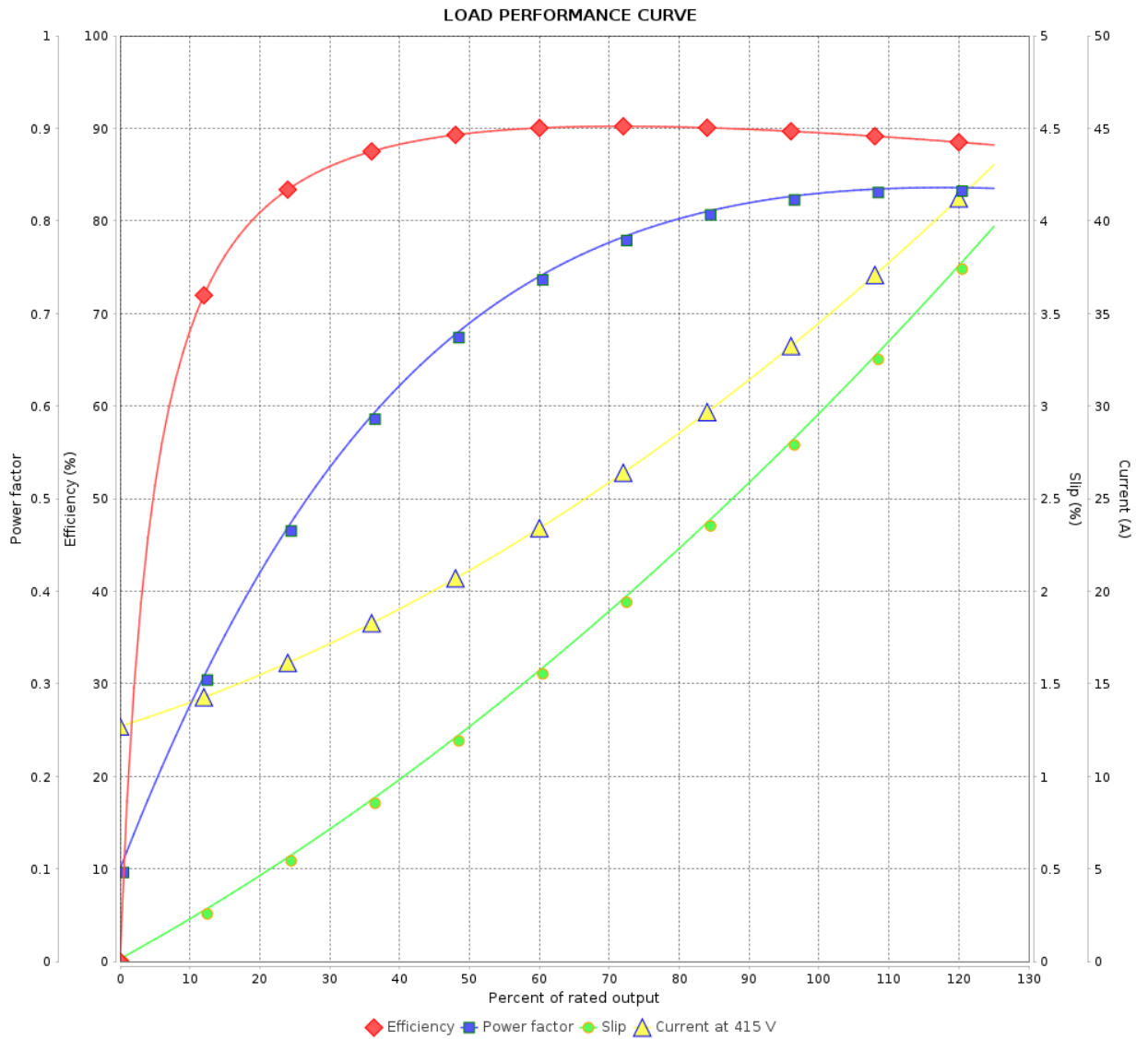
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Customer :

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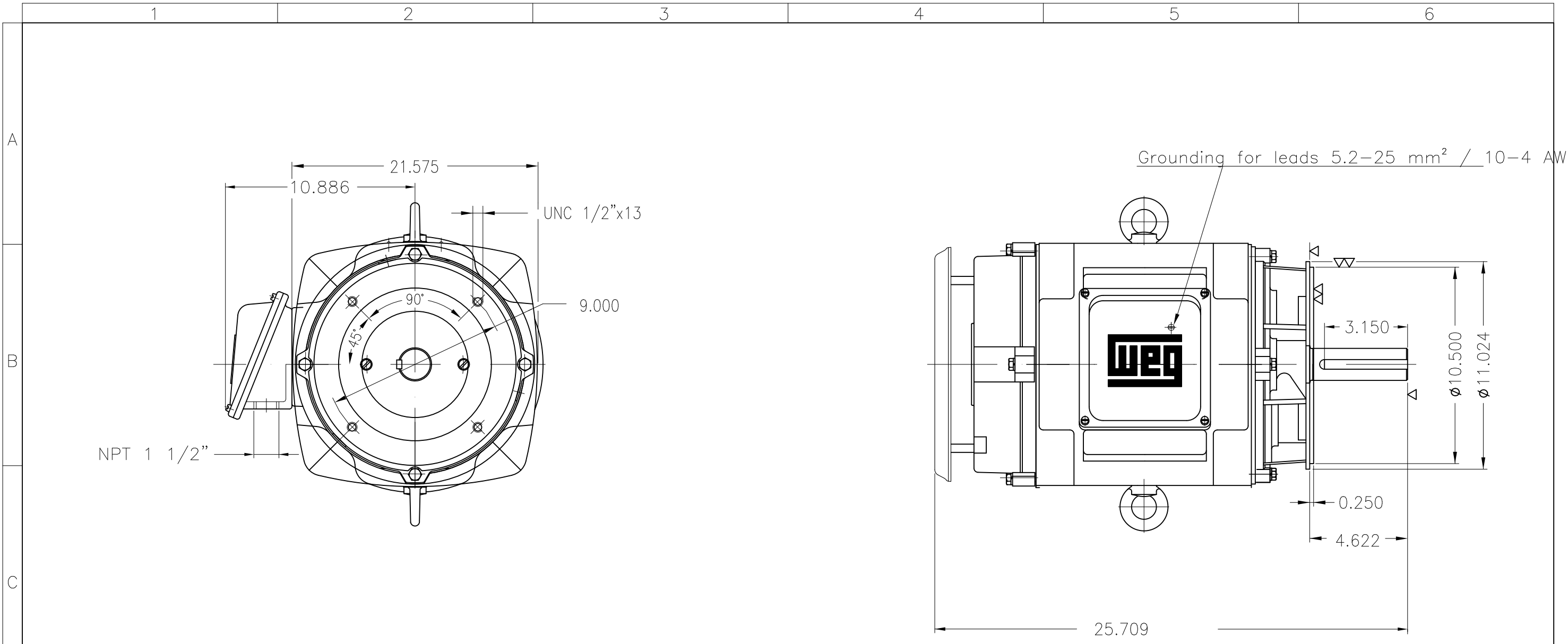


Performance : 415 V 50 Hz 4P IE1

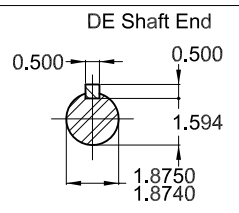
Rated current : 34.6 A
 LRC : 5.4
 Rated torque : 12.5 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 220 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.1166 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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Color RAL 5009
 Painting plan 203A
 Mounting B14R(D)



25 HP 04 Poles 60 Hz										A	
ECM	LOC	SUMMARY OF MODIFICATIONS				HYBRISUSER					00
EXECUTED	HYBRISUSER	THREE PH. MOTOR GENERAL HIGH EFF.				EXECUTED	CHECKED	RELEASED	DATE	VER	
CHECKED		FRAME 284TC IP23 ODP				PREVIEW					
RELEASED						WDD	00				
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1					