

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	89.5
	75%	91.7	90.2	90.2
	100%	91.7	88.5	89.5
Power Factor	25%			
	50%	0.70	0.75	0.69
	75%	0.79	0.83	0.79
	100%	0.84	0.85	0.83

		<u>Drive end</u>	<u>Non drive end</u>	Foundation loads	
Bearing type	:	6311 Z C3	6211 Z C3	Max. traction	: 392 kgf
Sealing	:	Without	Without	Max. compression	: 392 kgf
		Bearing Seal	Bearing Seal		
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
Performed by				
Checked by				
Date	13/11/2025			

Page 1 / 5
Revision

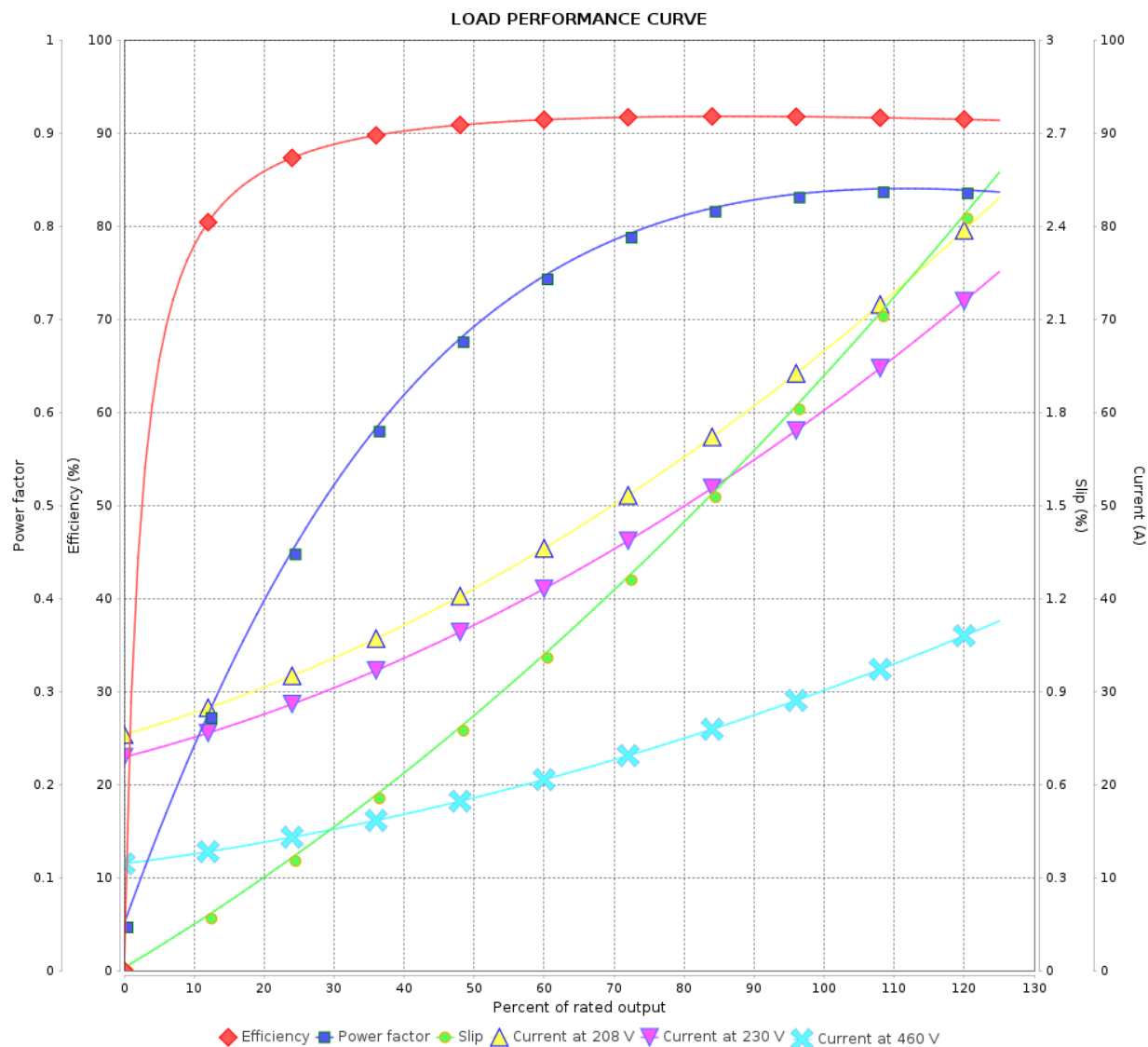
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Customer :

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
Performed by				Page 2 / 5	Revision
Checked by					
Date	13/11/2025				

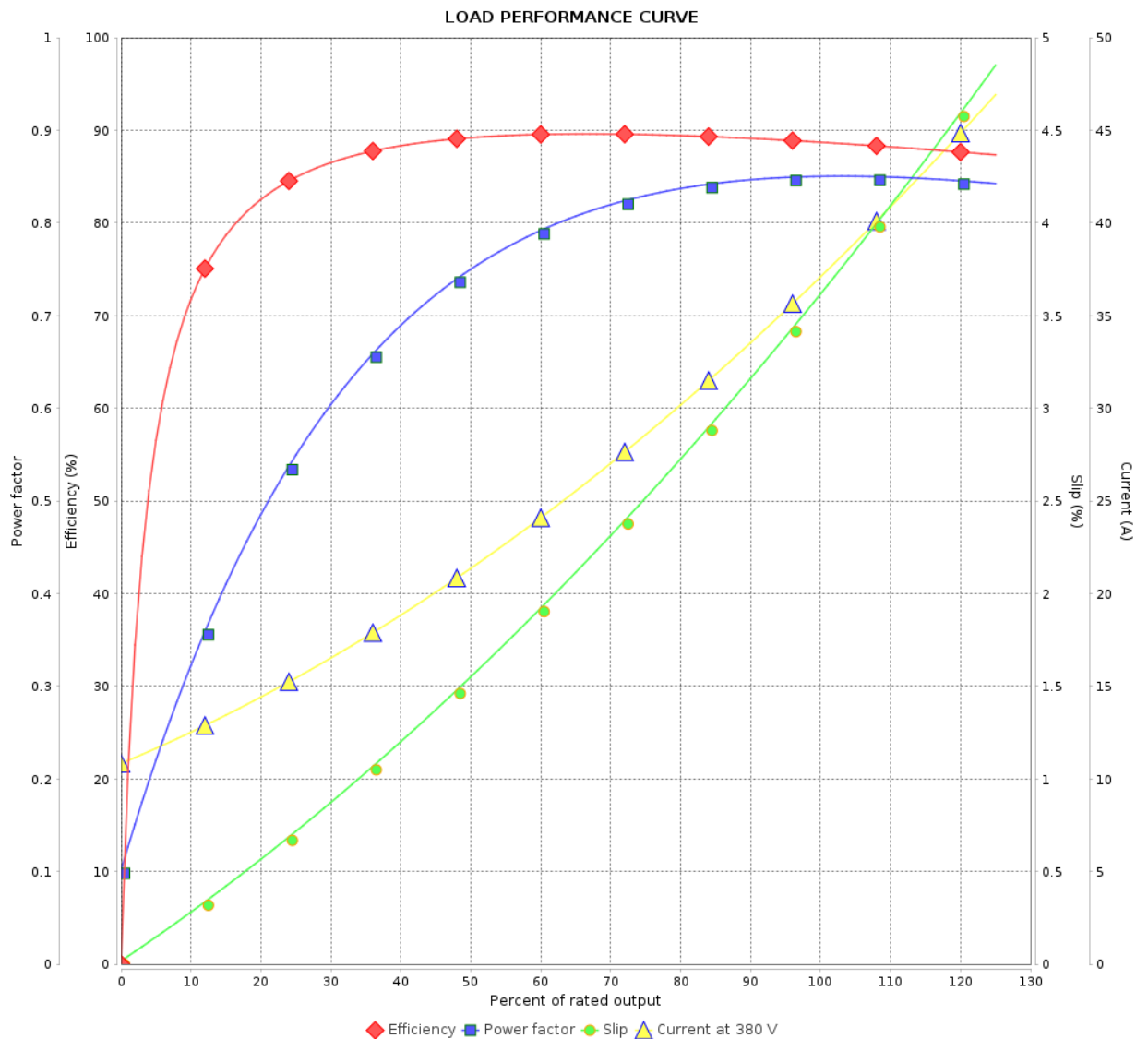
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Three Phase Induction Motor - Squirrel Cage



Customer :

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



Performance : 380 V 50 Hz 4P

Rated current	: 37.4 A	Moment of inertia (J)	: 0.1166 kgm ²
LRC	: 4.5	Duty cycle	: Cont.(S1)
Rated torque	: 12.6 kgfm	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.15
Breakdown torque	: 180 %	Temperature rise	: 80 K
Rated speed	: 1445 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	13/11/2025		Page 3 / 5	Revision

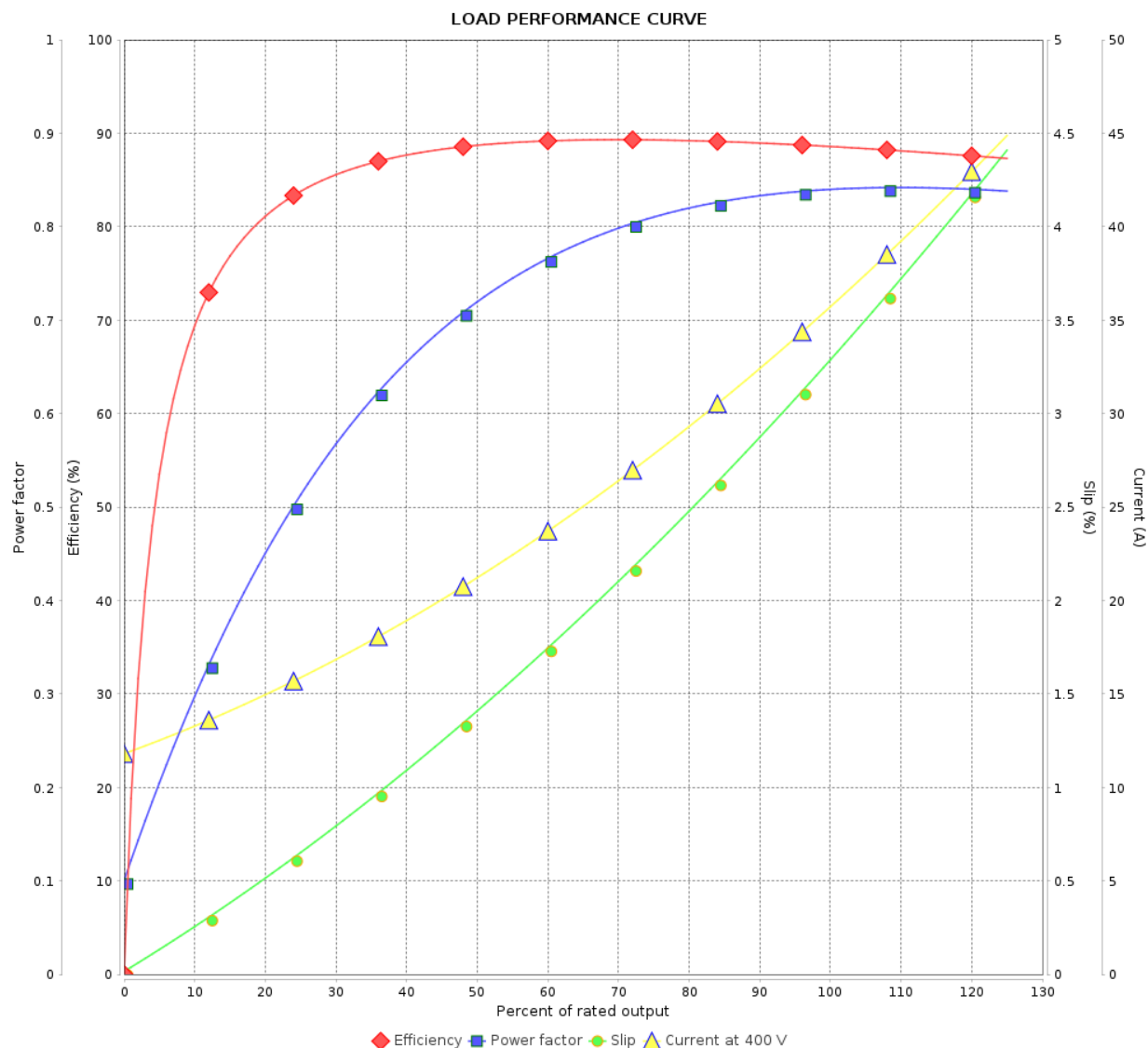
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Three Phase Induction Motor - Squirrel Cage



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

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 4 / 5Revision		
Checked by				
Date	13/11/2025			

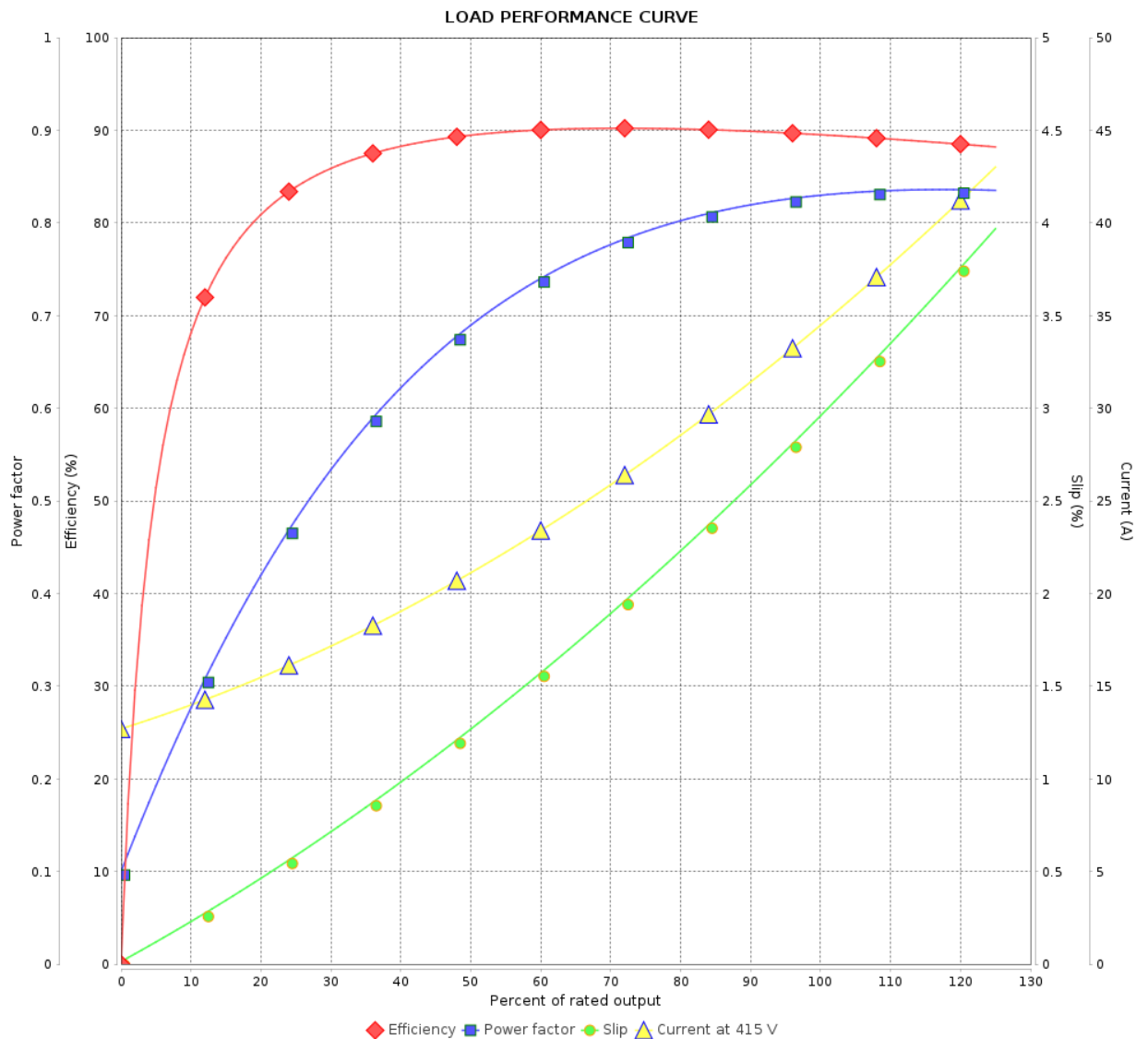
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Three Phase Induction Motor - Squirrel Cage



Customer :

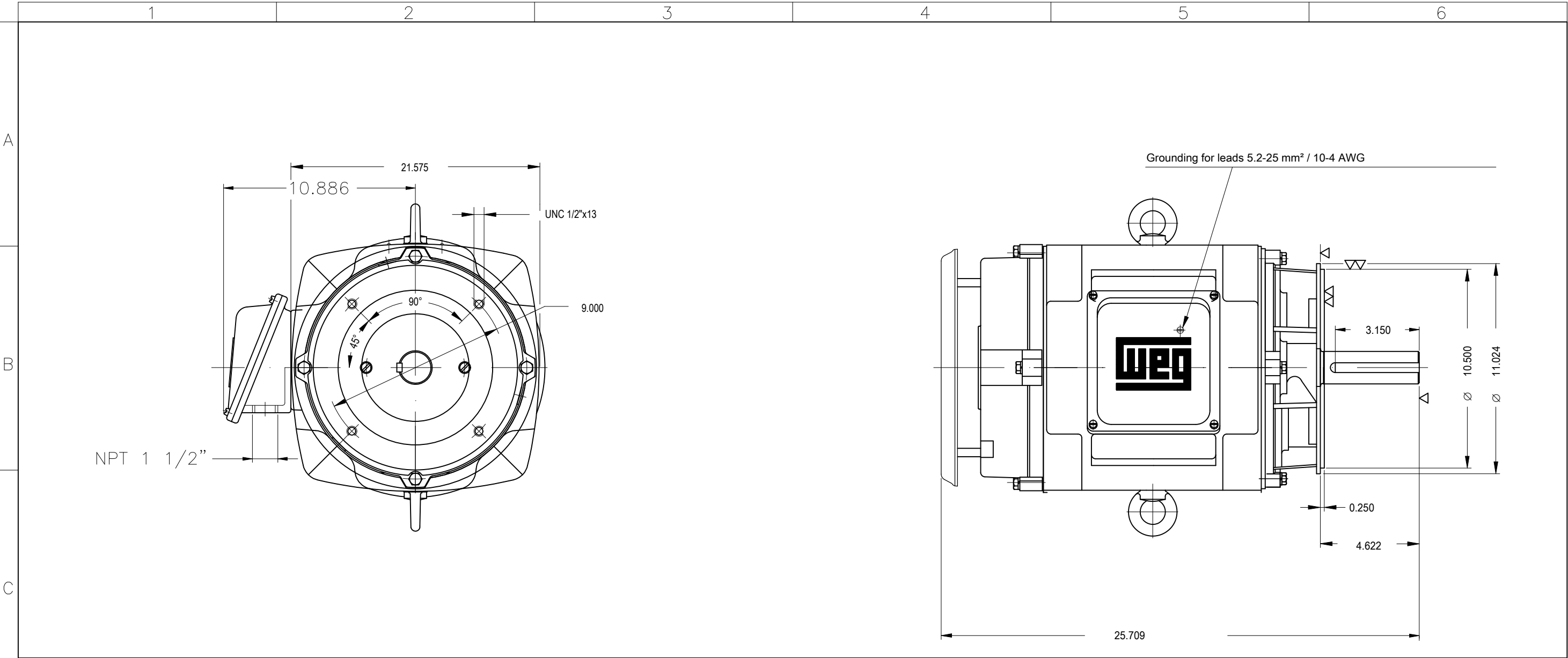
Product line : ODP High Efficiency Three-Phase Product code : 11997217



Performance : 415 V 50 Hz 4P IE1

Rated current	: 34.6 A	Moment of inertia (J)	: 0.1166 kgm ²
LRC	: 5.4	Duty cycle	: Cont.(S1)
Rated torque	: 12.5 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 1455 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 5 / 5 Revision		
Checked by				
Date	13/11/2025			



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

E	<div>With drip cover</div> <div>Color RAL 5009</div> <div>Painting plan 203A</div> <div>Mounting B14R(D)</div>	<div>DE Shaft End</div>		
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