

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	25
Poles	4	4	4	4	4
Frequency [Hz]	60	50	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	89.5
	75%	91.7	90.2	89.5	90.2
	100%	91.7	88.5	88.5	89.5
Power Factor	25%				
	50%	0.70	0.75	0.72	0.69
	75%	0.79	0.83	0.81	0.79
	100%	0.84	0.85	0.84	0.83
Bearing type		Drive end	Non drive end	Foundation loads	
Sealing		: 6311 Z C3	6211 Z C3	Max. traction	: 392 kgf
Lubrication interval		: Without	Without	Max. compression	: 392 kgf
Lubricant amount		Bearing Seal	Bearing Seal		
Lubricant type		20000 h	20000 h		
		18 g	11 g		
		Mobil Polyrex EM			

Notes

USABIE @208V 66 6A SF 1 15 SFA 76 6A

This revision replaces and cancel the previous one, which must be eliminated.

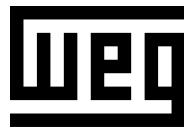
- must be eliminated.
 - (1) Looking the motor from the shaft end.
 - (2) Measured at 1m and with tolerance of +3dB(A).
 - (3) Approximate weight subject to changes after manufacturing process.
 - (4) At 100% of full load.

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	13/11/2025		1 / 5	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



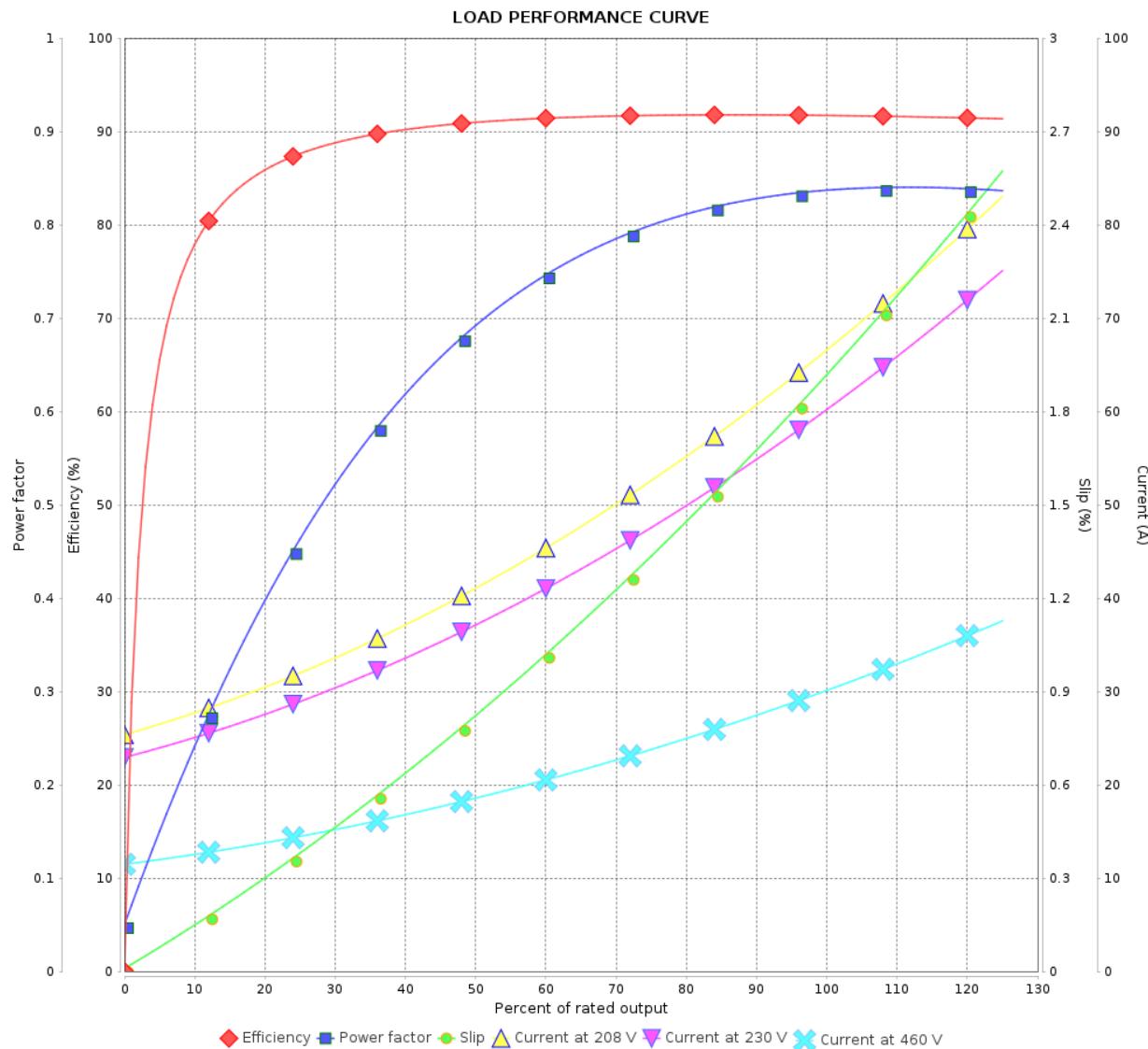
Customer :

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

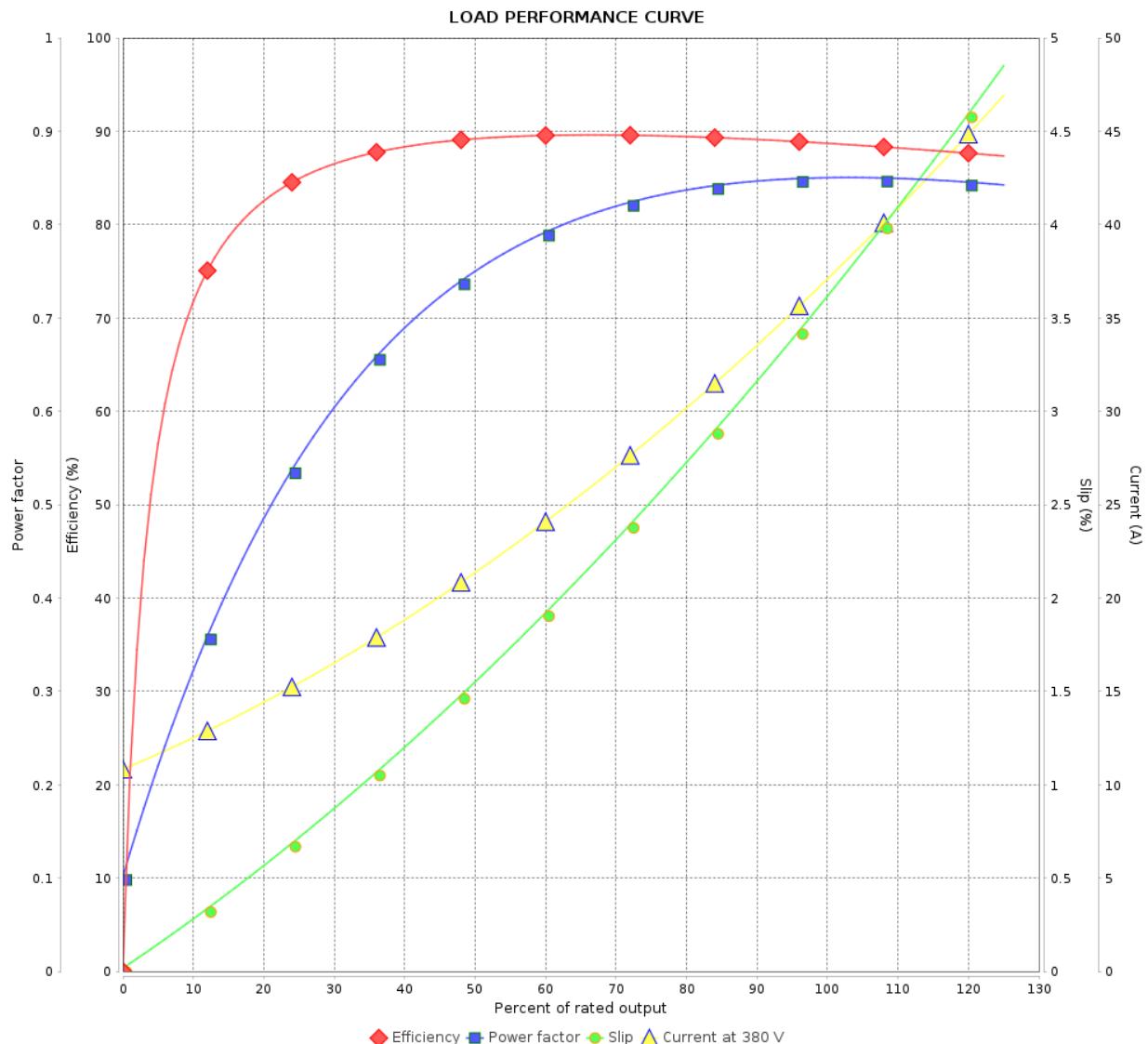
LOAD PERFORMANCE CURVE

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				Page
Checked by				Revision
Date	13/11/2025			3 / 5

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



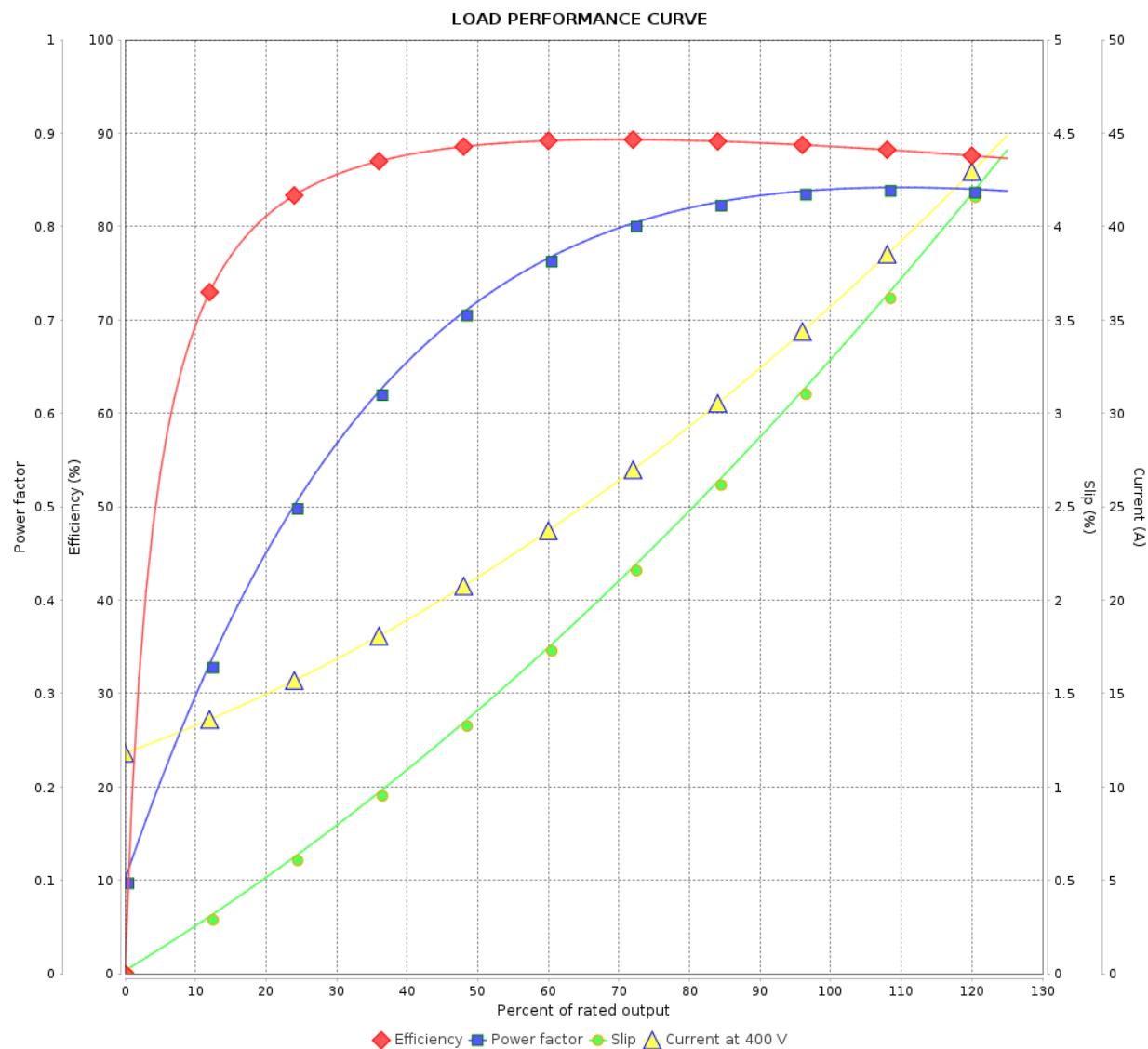
Customer :

Product line

: ODP High Efficiency Three-Phase

Product code :

11997217



Performance

: 400 V 50 Hz 4P

Rated current

: 35.9 A

Moment of inertia (J)

: 0.1166 kgm²

LRC

: 5.0

Duty cycle

: Cont.(S1)

Rated torque

: 12.5 kgfm

Insulation class

: F

Locked rotor torque

: 190 %

Service factor

: 1.15

Breakdown torque

: 200 %

Temperature rise

: 80 K

Rated speed

: 1450 rpm

Design

: B

Rev.

Changes Summary

Performed

Checked

Date

Performed by

Checked by

Date

13/11/2025

Page

4 / 5

Revision

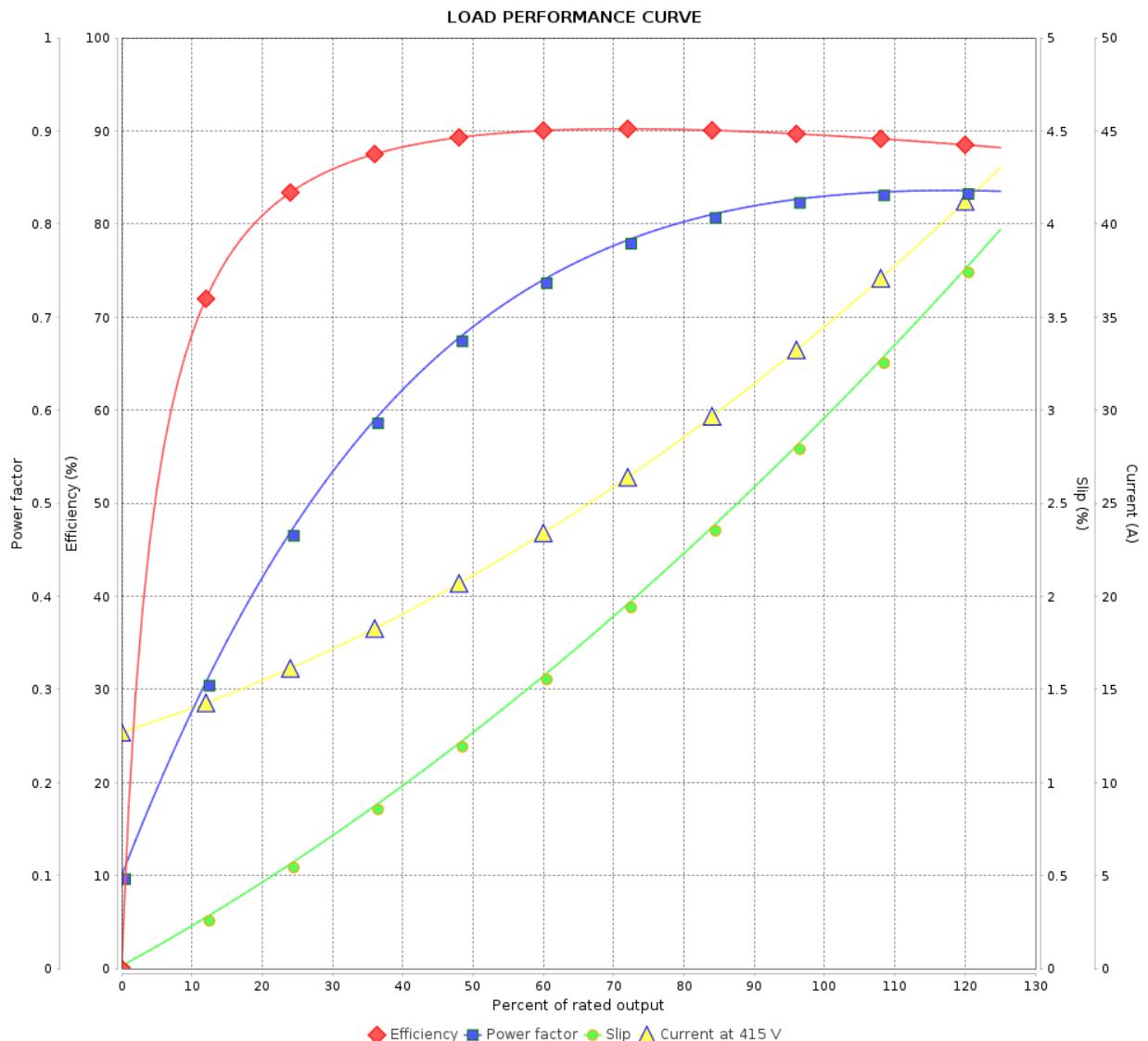
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

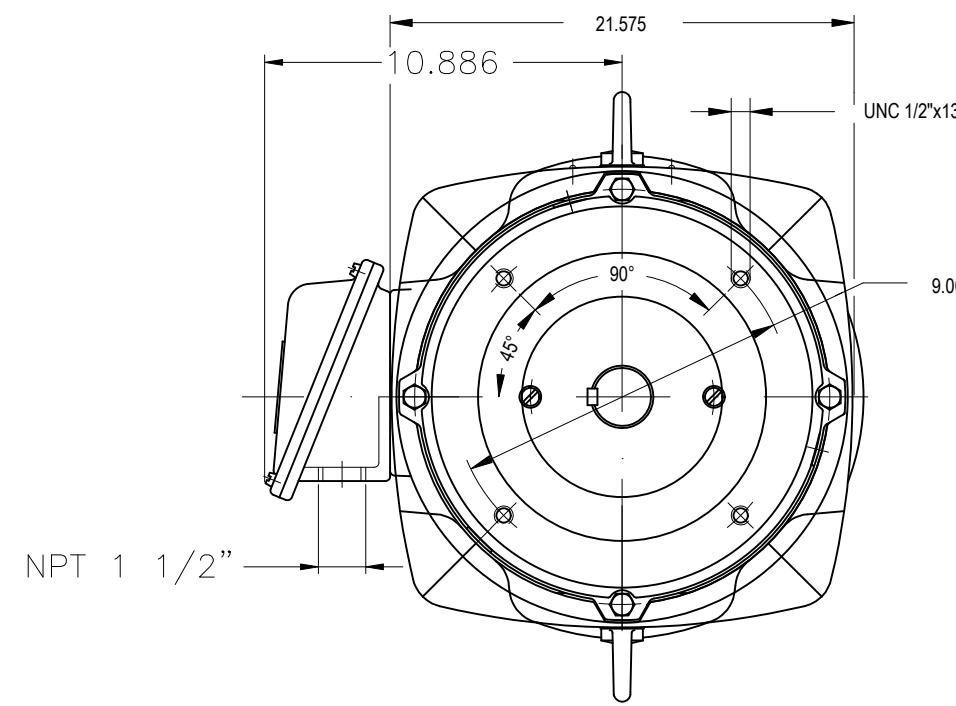
Product line : ODP High Efficiency Three-Phase Product code : 11997217



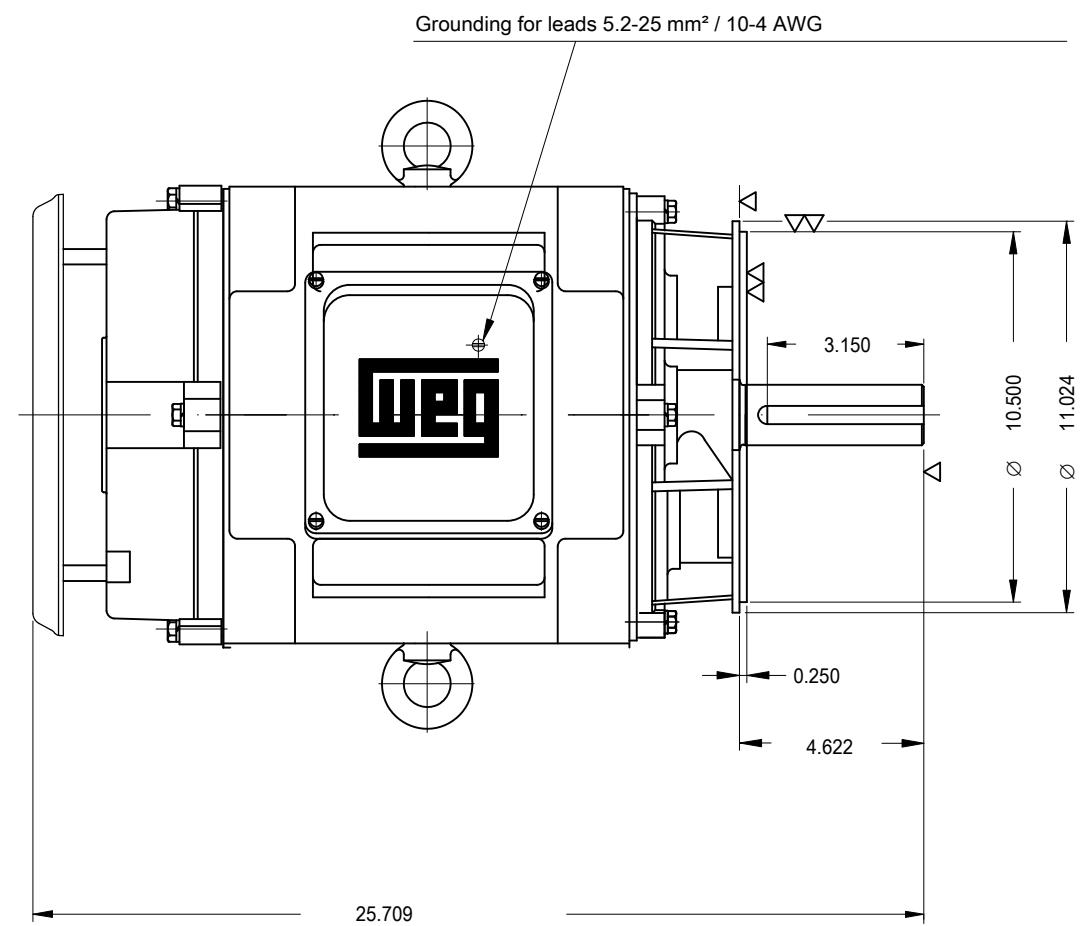
Performance		: 415 V 50 Hz 4P IE1		
Rated current	: 34.6 A	Moment of inertia (J)	: 0.1166 kgm ²	
LRC	: 5.4	Duty cycle	: Cont.(S1)	
Rated torque	: 12.5 kgfm	Insulation class	: F	
Locked rotor torque	: 210 %	Service factor	: 1.15	
Breakdown torque	: 220 %	Temperature rise	: 80 K	
Rated speed	: 1455 rpm	Design	: B	
Rev.	Changes Summary		Performed	Checked
Performed by				Page
Checked by				Revision
Date	13/11/2025			5 / 5

1 2 3 4 5 6

A



B



C

D

D

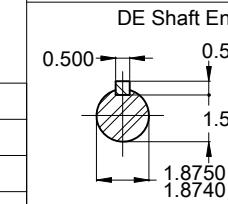
E

With drip cover

Color RAL 5009

Painting plan 203A

Mounting B14R(D)



25 HP 04 Poles 60 Hz

Dimensions in inches

EXECUTED	HYBRISUSER	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED		THREE PH. MOTOR GENERAL HIGH EFF.							00
RELEASED		FRAME 284TC IP23 ODP							
REL. DATE		WMO Jaragua do Sul			Product Engineering	SHEET	1 / 1		

WEG