DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 Single-Phase	Product code :	15268028

Frame	: 213/5TC	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 208-230/460 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 32.0-30.0/15.0 A	Protection degree	: IP55
	: 7.7x(Code H)	Cooling method	: IC411 - TEFC
Rated speed	: 1750 rpm	Mounting	: F-1
Rated torque	: 3.11 kgfm	Rotation¹	: Both (CW and CCW)
Insulation class	: F	Noise level²	: 63.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0457 kgm²	Approx. weight³	: 82.5 kg

Output	50%	75%	100%
Efficiency (%)	75.6	81.0	83.0
Power Factor	0.91	0.94	0.96

Foundation loads

Max. traction	: 102 kgf
Max. compression	: 185 kgf

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	00088	

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	29/05/2026		1 / 2	

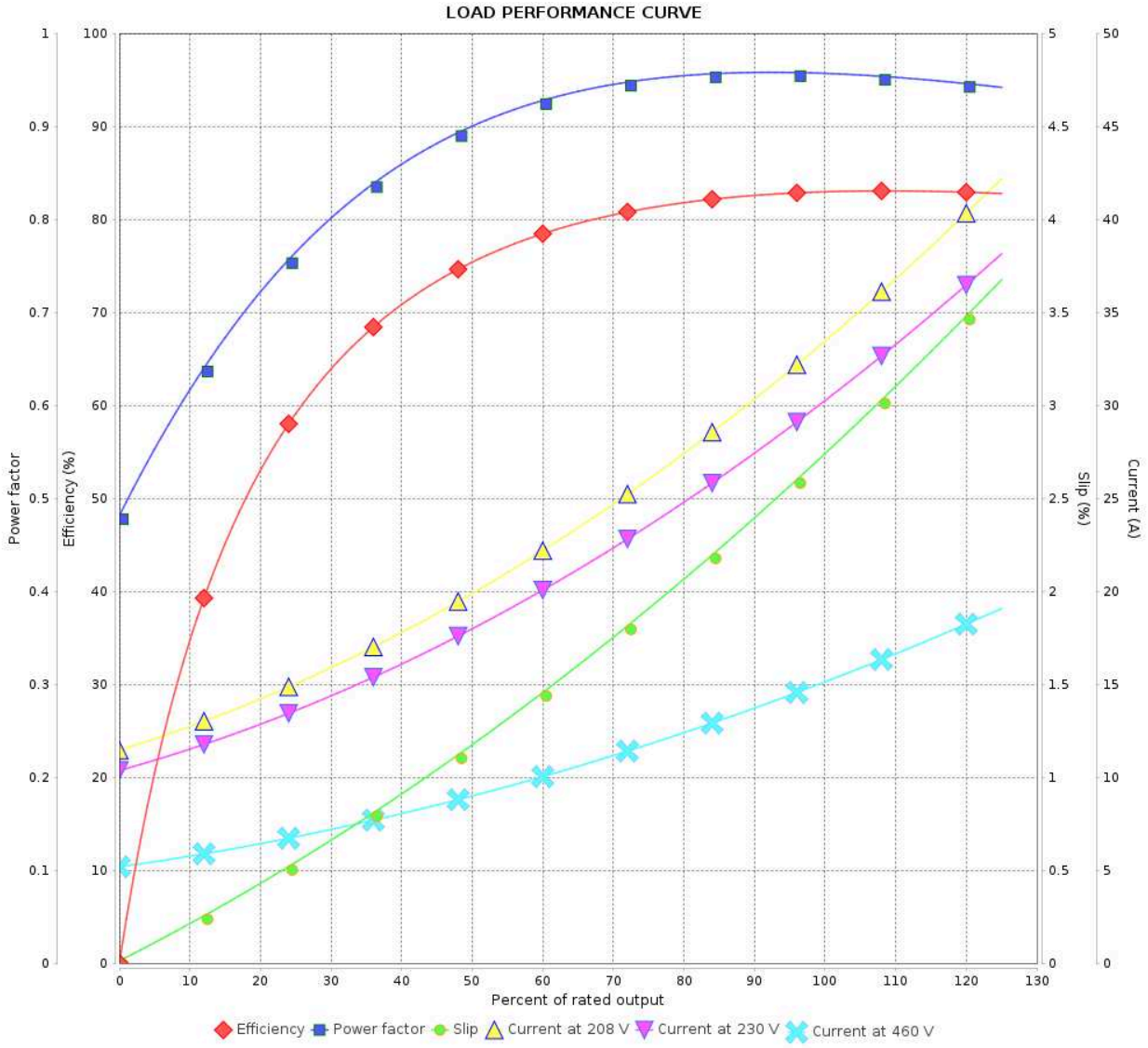
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

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Product line : W22 Single-Phase Product code : 15268028



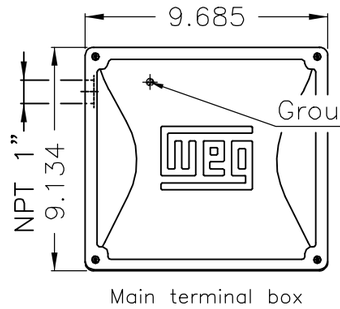
Rev.	Changes Summary	Performed	Checked	Date

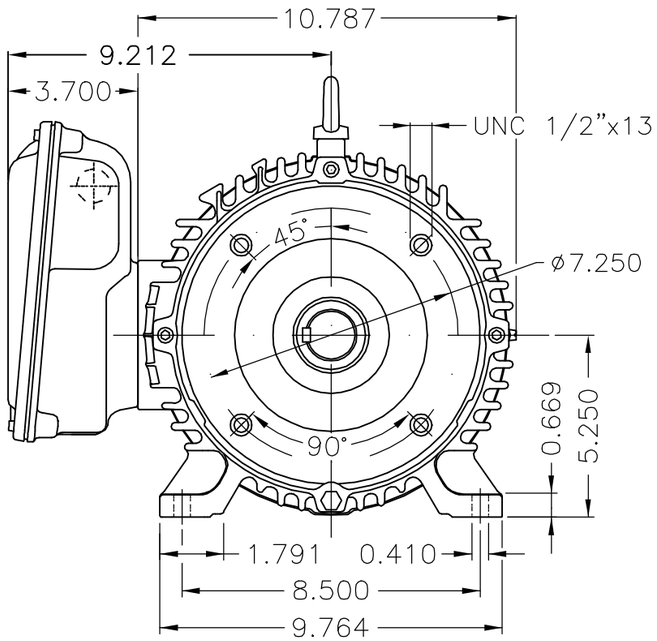
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Checked by			Page	Revision
Date	29/05/2026		2 / 2	

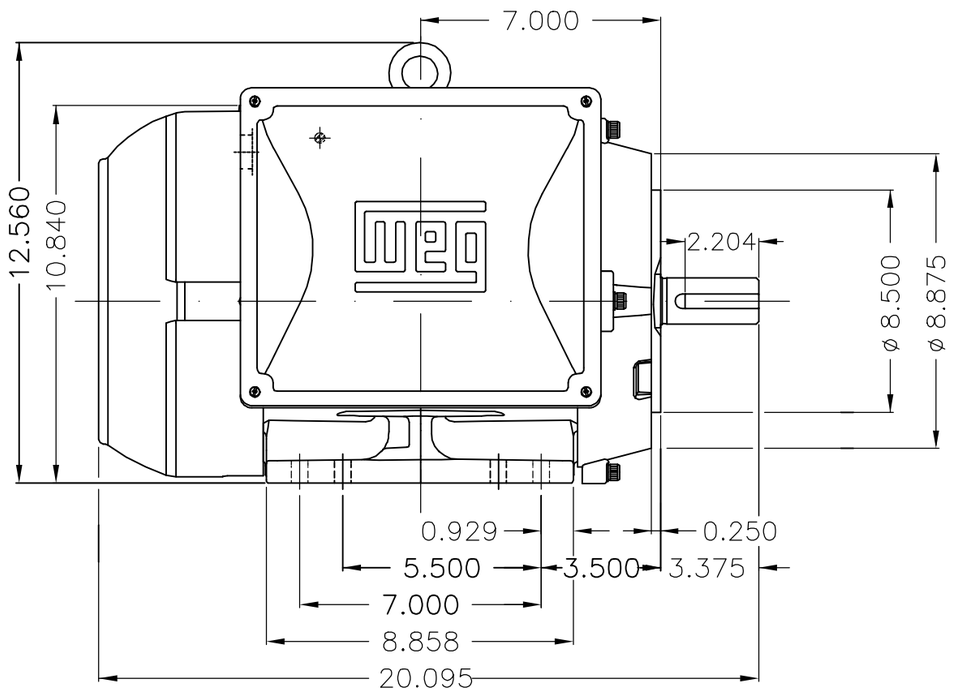
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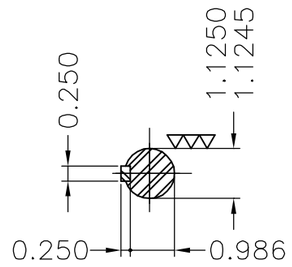
EIXO/SHAFT		Dimensões em polegadas Dimensions in inches
PADRÃO/STANDARD		
OPCIONAL/OPTIONAL		
ESPECIAL/SPECIAL	X	

THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.









De Shaft End

Forma construtiva B34D / Mounting B34R(D)

WEG EQUIPAMENTOS ELETRICOS S/A

500001329649		DOCUMENTO NOVO	JOHNLENONN		RUBENSFM	10.07.2017	00
ECM *ECM*	LOC *LOC*	RESUMO MODIFICAÇÃO *SUMMARY OF MODIFICATIONS*	EXECUTADO *EXECUTED*	VERIFICADO *CHECKED*	LIBERADO *RELEASED*	DATA *DATE*	VER *VER*

EXEC. /*EXECUTED*	JOHNLENONN	SINGLE PHASE MOTOR W22 NEMA	10005036256	
VERIF. /*CHECKED*		FRAME 213/5TC IP55 TEFC	000 | 00	
LIBER. /*RELEASED*	RUBENSFM			
DATA LB /*REL DT*	10.07.2017	WMO Jaragua do Sul Product Engineering	FOLHA/*SHEET* 1 / 1	

7.5 HP 04 Poles 60Hz 414708848 A

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