DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12737211

Frame	: 445/7TSD
Output	: 150 HP (110 kW)
Poles	: 6
Frequency	: 60 Hz
Rated voltage	: 460 V
Rated current	: 176 A
L. R. Amperes	: 1091 A
LRC	: 6.2x(Code G)
No load current	: 70.0 A
Rated speed	: 1187 rpm
Slip	: 1.08 %
Rated torque	: 91.6 kgfm
Locked rotor torque	: 240 %
Breakdown torque	: 250 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 5.63 kgm²
Design	: B

Locked rotor time	: 36s (cold) 20s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP55
Cooling method	: IC411 - TEFC
Mounting	: W-6
Rotation¹	: Both (CW and CCW)
Noise level²	: 69.0 dB(A)
Starting method	: Direct On Line
Approx. weight³	: 1058 kg

Output	50%	75%	100%
Efficiency (%)	95.0	95.4	95.8
Power Factor	0.67	0.78	0.82

Foundation loads

Max. traction	: 1885 kgf
Max. compression	: 2943 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
4.7	3.8	3.4	2.4	1.7	1.2	0.7

		Drive end	Non drive end
Bearing type	:	6314 C3	6314 C3
Sealing	:	Viton Oil Seal	Viton Oil Seal
Lubrication interval	:	8000 h	8000 h
Lubricant amount	:	27 g	27 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			Page	Revision
Date	30/10/2024		1 / 3	

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DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Space heater information

Voltage: 110 - 127 V

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	30/10/2024		2 / 3	

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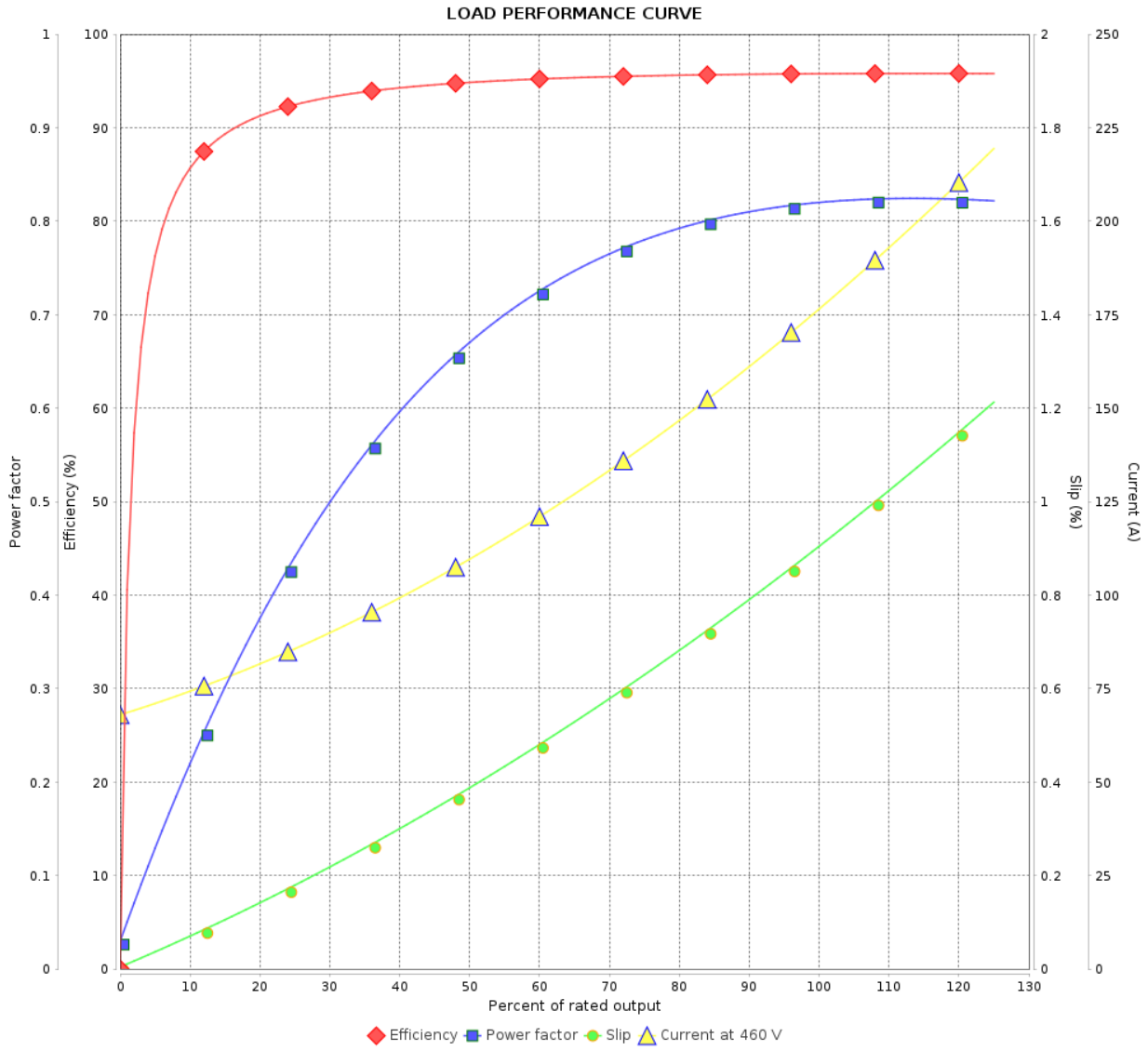
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12737211

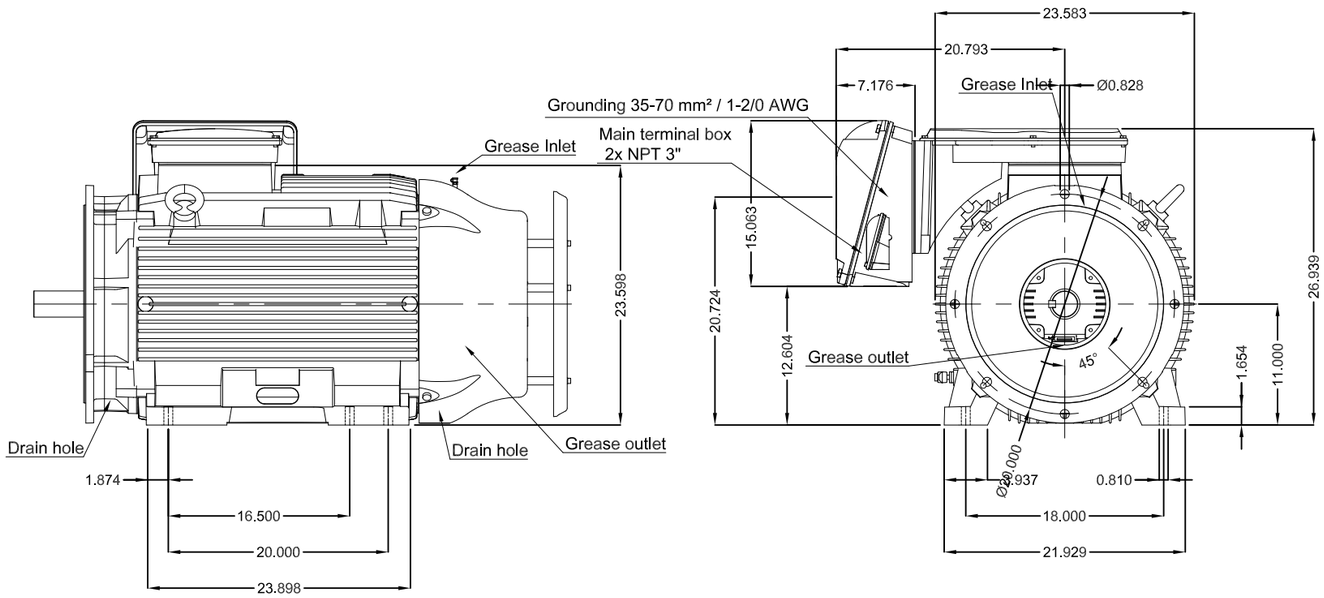


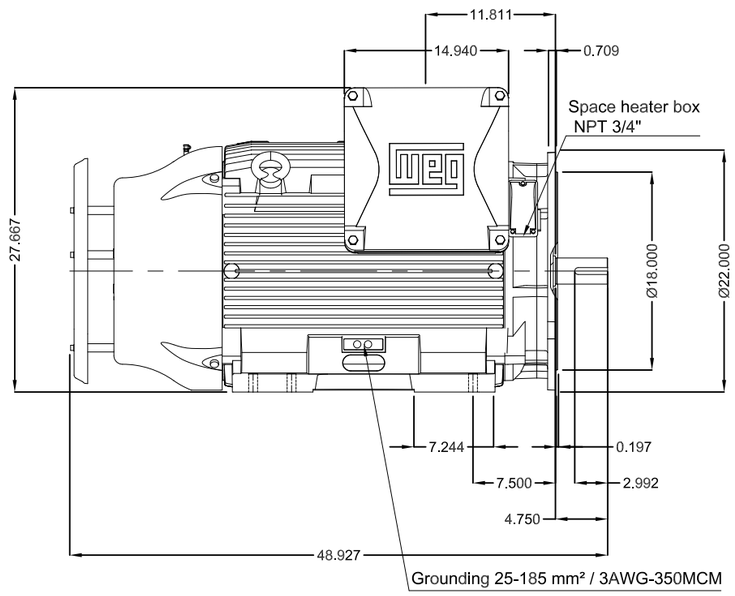
Performance	: 460 V 60 Hz 6P		
Rated current	: 176 A	Moment of inertia (J)	: 5.63 kgm²
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 91.6 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1187 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
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Date	30/10/2024		3 / 3	

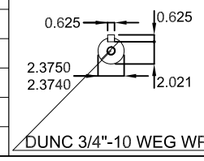
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Outlet leads directed to down when looking at shaft end
Without vertical jackscrews
TS shaft end
Space heaters 110 to 127 V
Sealing - Viton oil seal ring
Color RAL 5009
Painting plan 222E
Mounting NEMA W-6
Mounting V15R(D)

DE Shaft End



DUNC 3/4"-10 WEG WPR-7339

150 HP 06 Poles 60 Hz | A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR W22 NEMA PREM. EFF.
FRAME 445/7TSD IP55 TEFC

PREVIEW
WDD 00
SHEET /

Dimensions in inches

A3

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