

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 17370101

Frame	: 586/7TZ	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 300 HP (220 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 575 V	Ambient temperature	: -20°C to +40°C
Poles	: 6	Altitude	: 1000 m.a.s.l.
Rated current	: 307 A	Protection degree	: IP55
	: 7.0x(Code J)	Cooling method	: IC411 - TEFC
Rated speed	: 1194 rpm	Mounting	: F-1
Rated torque	: 182 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 77.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 10.4 kgm ²	Approx. weight ³	: 1753 kg
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	94.5	95.4	95.8	Max. traction	: 2369 kgf
Power Factor	0.00	0.57	0.69	0.75	Max. compression	: 4122 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	NU-324 C3	6319 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	6000 h	13000 h
Lubricant amount	:	72 g	45 g
Lubricant type	:	Mobil Polyrex EM	

Notes
W22 NEMA Premium Efficiency
Crusher Duty

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.

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Space heater information

Voltage: 200 - 240 V

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LOAD PERFORMANCE CURVE

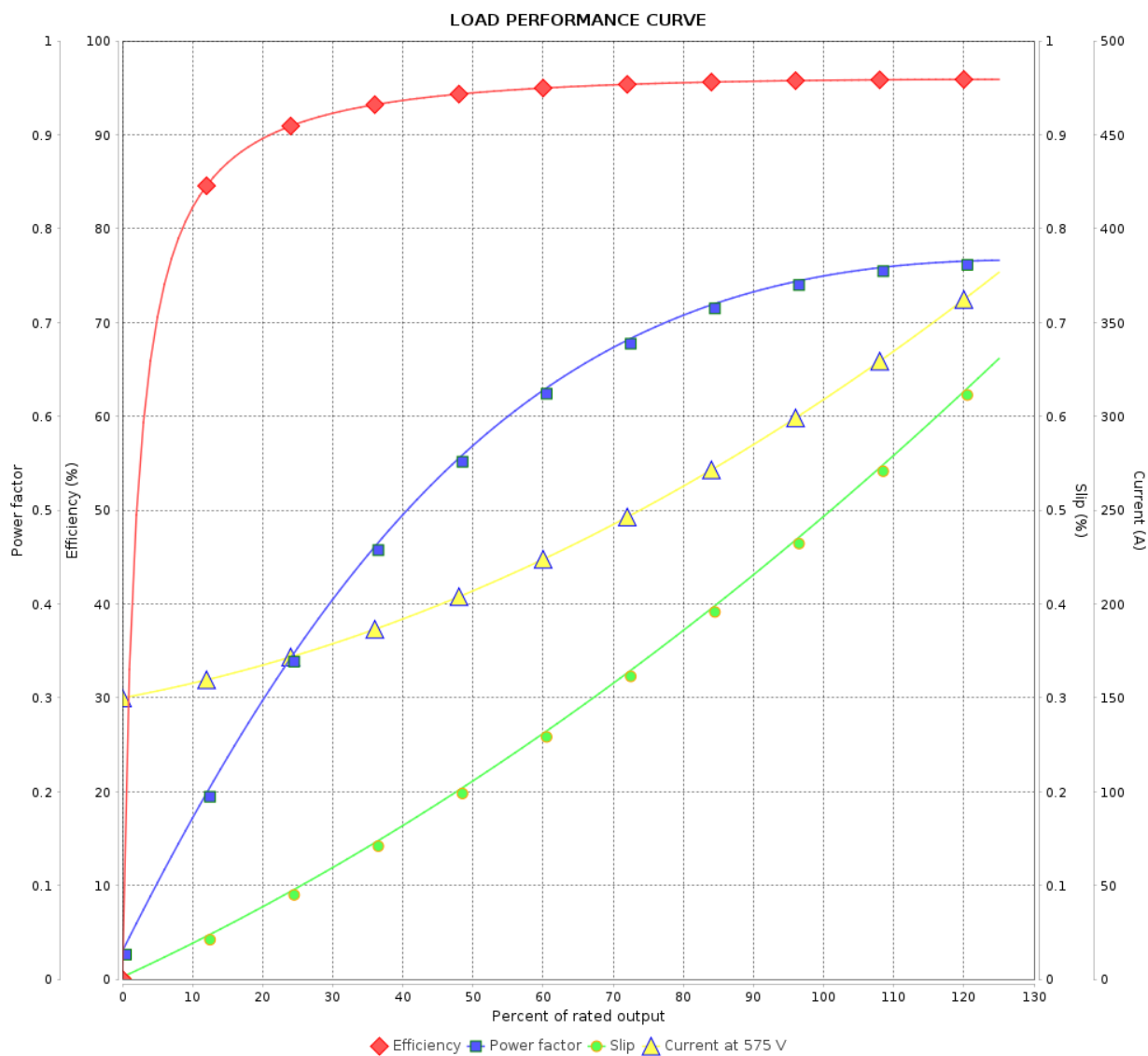
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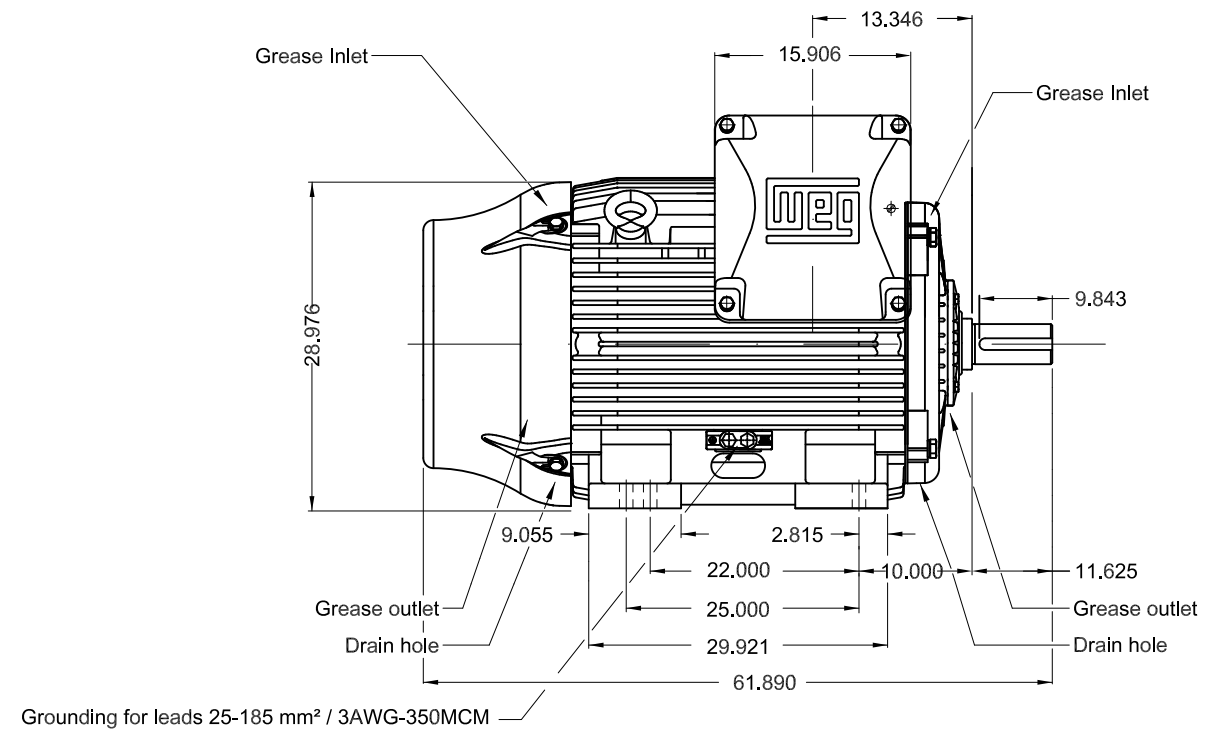
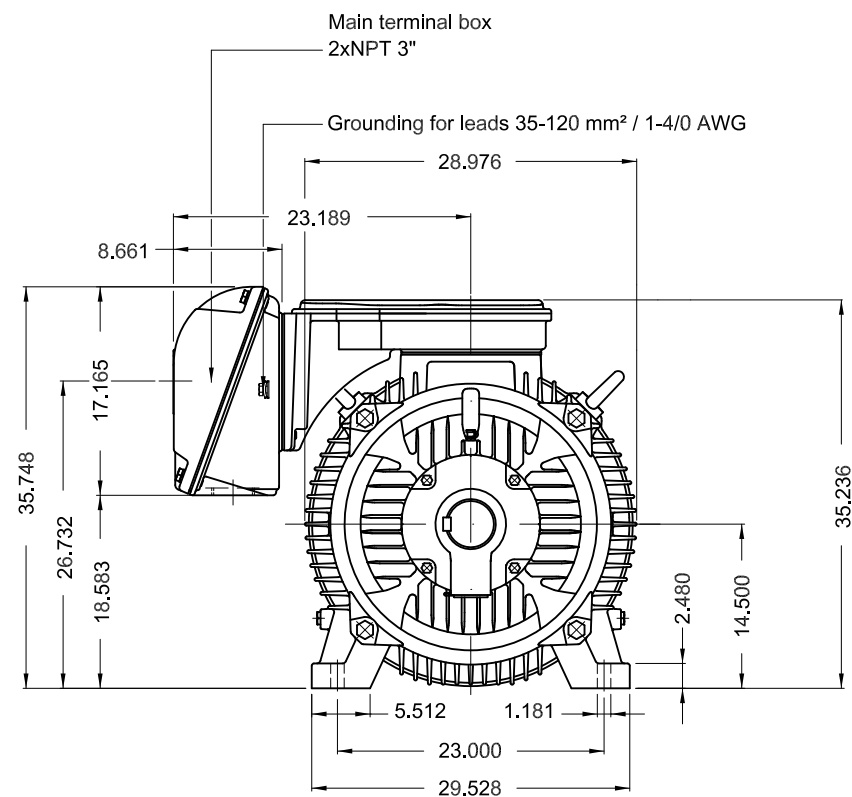
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Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 17370101



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300 HP 06 Poles 60 Hz										A	
							HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS					EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR W22 NEMA PREM. EFF. FRAME 586/7TZ IP55 TEFC					PREVIEW WDD 00			
CHECKED											
RELEASED											
REL. DATE		WMO	Jaragua do Sul		Product Engineering		SHEET	1 / 1			

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