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 kgm²	Approx. weight[3]	: 1753 kg
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	94.5	95.4	95.8
Power Factor	0.00	0.57	0.69	0.75

Foundation loads

Max. traction	: 2369 kgf
Max. compression	: 4122 kgf

		Drive end	Non drive end
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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Three Phase Induction Motor - Squirrel Cage

Customer :

Thermal protection

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

Space heater information

Voltage: 200 - 240 V

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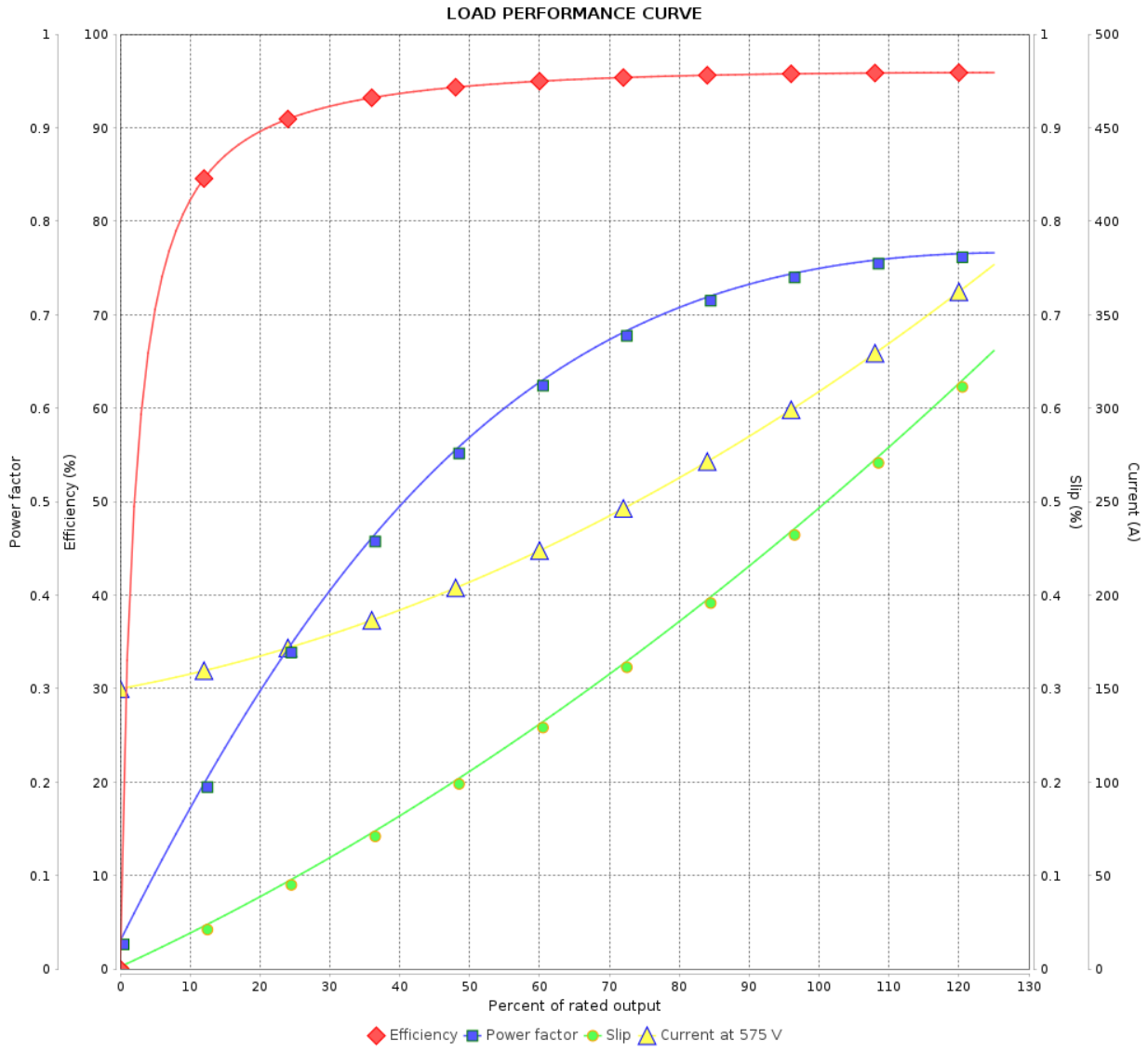
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

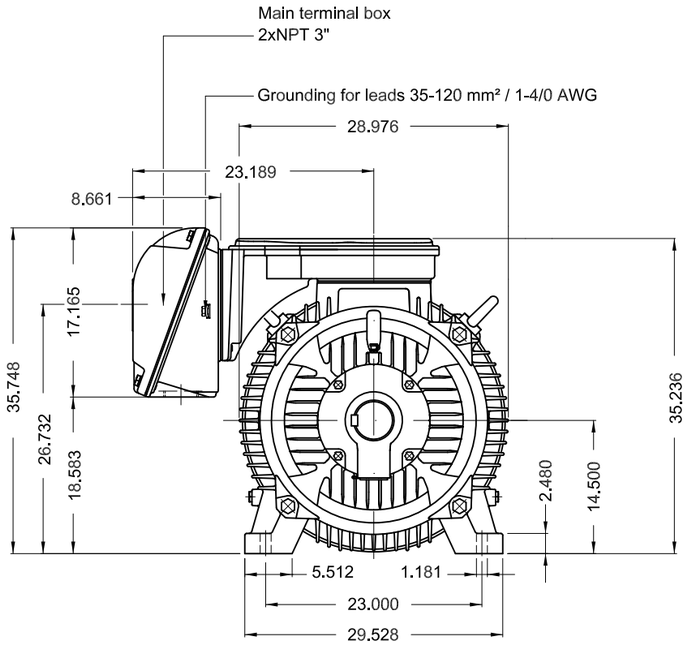
Product code : 17370101

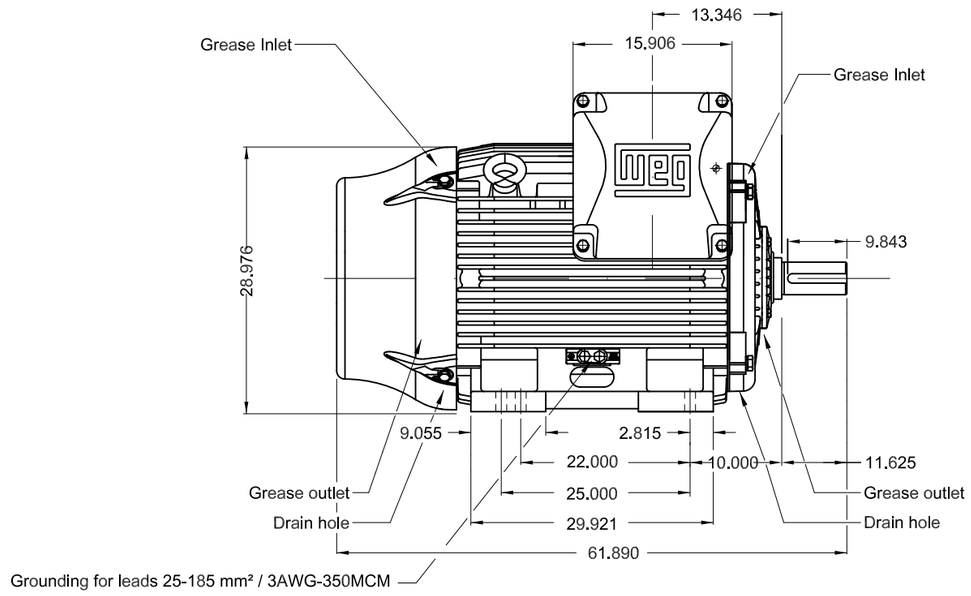


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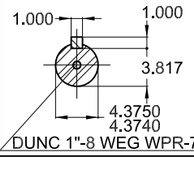
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Design A
DE roller bearing
Thermal protection to switch off - thermostat 155°C
Shaft locking device
NDE endshield with electrically insulated bearing hub
Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B3R(D)

DE Shaft End



300 HP 06 Poles 60 Hz | A

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

EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 NEMA PREM. EFF.	PREVIEW		
CHECKED		FRAME 586/7TZ IP55 TEFC	WDD	00	
RELEASED					
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET	1 / 1	

Dimensions in inches

XME A3

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