

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : GETECH AUTOMATION SRL

Product line : W22Xeb Increased Safety (EN) - High Efficiency
IE2

Frame	: 80	Time tE	: T1 = 20.0s T2 = 20.0s T3 = 20.0s
Output	: 0.55 kW	Temperature rise	: 70 K
Poles	: 4	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 218-242/380-420 V	Altitude	: 1000 m.a.s.l
Rated current	: 2.33-2.10/1.34-1.21 A	Protection degree	: IP55
L. R. Amperes	: 15.4-13.9/8.82-7.98 A	Cooling method	: IC411 - TEFC
LRC	: 6.6	Mounting	: B14T
No load current	: 1.28-1.16/0.737-0.667 A	Rotation ¹	: Both
Rated speed	: 1420 rpm	Noise level ²	: 44.0 dB(A)
Slip	: 5.33 %	Vibration class	: A
Rated torque	: 3.70 Nm	Starting method	: Direct On Line
Locked rotor torque	: 260 %	Coupling	: Direct
Pull up torque	: 220 %	Approx. weight ³	: 16.2 kg
Breakdown torque	: 300 %	Painting plan	: 207A
Insulation class	: F	Color	: RAL 5010
Service factor	: 1.00	Design	: N
Moment of inertia (J)	: 0.0027 kgm ²		

Output	50%	75%	100%
Efficiency (%)	74.5	76.5	78.3
Power Factor	0.61	0.74	0.80

Load type	: -
Load torque	: -
Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type #1	6204-ZZ	6203-ZZ
Lubrication interval	-	-
Lubricant amount #1	-	-
Lubricant type	POLYUREA BASED GREASE	

Foundation loads	
Max. traction	: 276 N
Max. compression	: 435 N

Notes

See notes on page 2.

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)
34.2	31.4	28.7	17.4	12.4	8.8	6.3

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 be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	rpellosi				
Checked by	AUTOMATICO				
Date	31/08/2026				
			1894519476		
			Page	Rev.	
			1 / 2	0	

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Notes

Customer information
ATEX
Baseefa 15ATEX0237X
BAS21UKEX0290X
II 2G Ex eb IIC T3 Gb

IECEX
IECEX BAS 15.0132X
Ex eb IIC T3 Gb

Standards	Specification	: IEC 60034-1	Vibration	: IEC 60034-14
	Test	: IEC 60034-2	Tolerance	: IEC 60034-1
	Noise	: IEC 60034-9		

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(1) Looking the motor from the shaft end.

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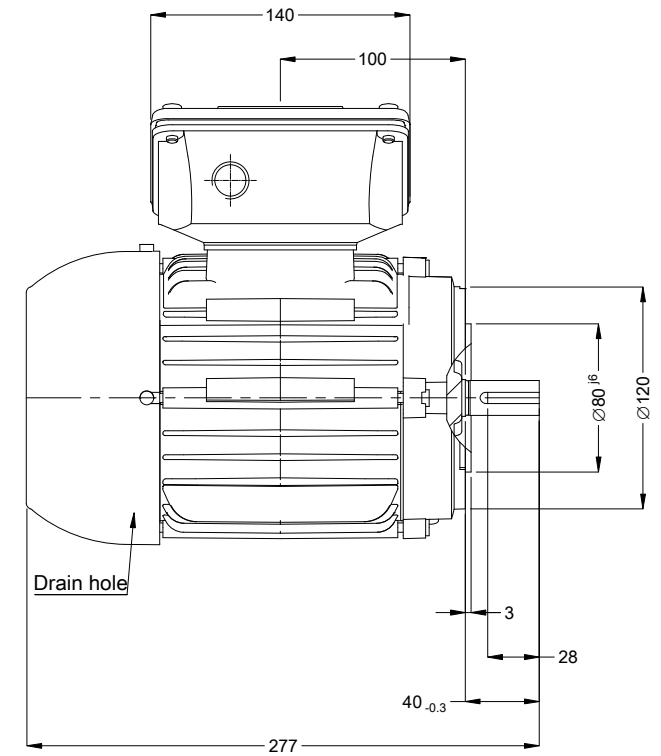
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FOR APPROVAL

- () Approved
- () Approved with comments
- () Not approved



0.55 kW 04 Poles 50 Hz										A
GETECH AUTOMATION SRL										
						Scale			1 : 4	
						PIRWUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWUSER		THREE PH. MOTOR W22Xeb INCR SAFETY (W22 Ex e) IE2				PREVIEW WDD 00			
CHECKED			FRAME 80 IP55 TEFC							
RELEASED										
REL. DATE		WEG	KRIENS			[DIR Managing]	SHEET	1 / 1		