
CONFIGURATION OVERVIEW

Product code 3GBA221210-ADN

M2BAX 225SMA 2, 45 kW, 2 poles

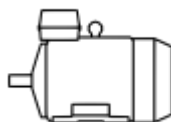
GENERAL

End user country	-	Altitude	1000 m.a.s.l.
MEPS	EU-MEPS	Ambient min / max	-20 °C / 40 °C
MEPS scope	Inside	Ex atmosphere	No
Legal marking	CE	Motor design	CENELEC
		Customs tariff number	85015290

MAIN CHARACTERISTICS

Motor type	M2BAX 225SMA 2
Product code	3GBA221210-ADN
Shaft height	225 mm
Power	45 kW
Rated voltage U_N	400 V $\pm$ 5 % (IEC 60034-1)
Rated frequency f_N	50 Hz $\pm$ 2 % (IEC 60034-1)
Number of poles	2

Frame material	Cast Iron
Insulation class	F
Temperature class	-
Mounting	IM1001 IMB3



Enclosure protection class	IP55
Cooling	IC411

By changing the product to **IE4 efficiency class motor** or **SynRM motor and drive package**, you gain annual benefits



Energy
Less power consumed
40 EUR/year
860 EUR/year



Environment
Reduction in green house gases
0.05 tons/year
1.18 tons/year

The benefits are indicative estimates that are based on many factors.

VARIANT CODES

400 (std) 4 x 90 degr turnable terminal box.

436 (std) PTC - thermistors (3 in series), 150 °C, in stator winding

OPERATING POINTS

Power [kW]	Voltage [V]	Connec- tion	Frequency [Hz]	Effic. Class	Efficiency [%]	Nominal Cur- rent [A]	Is/In	Duty	Speed [rpm]	T Rise
45.0	690.0	Y	50.0	IE4	95.0	45.0	9.5	S1	2975	B
45.0	400.0	D	50.0	IE4	95.0	78.0	9.5	S1	2976	B
45.0	660.0	Y	50.0	IE4	95.0	47.0	8.7	S1	2973	B
45.0	380.0	D	50.0	IE4	95.0	81.0	8.7	S1	2972	B

MECHANICAL

Direction of rotation	CW or CCW
Vibration	A
Paint colour	MUNSELL 8B 4.5/3.25
Paint system	C3 - Medium
Bearing, Drive end	Ball Bearing – 6313-2Z/C3
Bearing Non-drive end	Ball Bearing – 6213-2Z/C3
Lubrication style	Greased for life
Main terminal box position	D-End top
Main terminal box turnable	4 x 90 degr
Main terminal cable entry	(2xM63+1xM16)x1.5
Fan material	Plastic
Fan cover material	Steel
Sound pressure level	81 LpdBA

ACCESSORIES

No accessories selected.

MONITORING

Winding PTC, PTC 1 per phase 150 degr. C
Vibration sensing, No SPM nipples