



PART Nr. / NUMERO DE PARTE: 1MB21214CB113EG3

TYPE / TIPO: XP100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: Δ



TYPE: XP100 | PART Nr: 1MB21214CB113EG3 | 444TC | IP 65 | 3 PH | TEFC | NEMA B

BEARINGS			SERIAL Nr.					CONTINUOUS DUTY	
D.E.	90RU03M0		INSUL. CL:	F	kVA CODE:	G	WEIGHT:	1631 lbs.	
O.D.E.	80BC03JP3		AMB. TEMP:	40°C	T.RISE:	CLASS B		EFFICIENCY	
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %
125.00	93.250	1 785	575	114.0	60	1.15	131.0	95.4	95.0

CONNECTION



FOR USE ON PWM VFD
20:1 V.T. AT 1.0 S.F. @ 40°C
GREASE: POLYUREA BASE

Made in Mexico by ABB NEMA MOTORS

**Actual nameplate will include certification marks for ex: UR, DOE, CE, CSA, NEMA PREMIUM, etc.

**La placa de datos del motor incluye logos de certificación, por ejemplo: UR, DOE, CE, CSA, NEMA PREMIUM, etc.



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Data sheet for three-phase Squirrel-Cage-Motors / Hoja de datos de Motores Trifásicos Jaula de Ardilla

U [V]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T _A /T _N LRT [%]	T _R /T _N BDT [%]
						4/4	3/4	1/2	0	LRC	4/4	3/4	1/2	4/4	3/4	1/2			
575.0	Δ	60.0	125.00	93.25	1785	114.0	87.6	63.0	36.0	726.4	95.4	95.6	95.4	86.1	84.0	78.0	368.0	160.0	200.0
Frame 444TC		Type of constr.: C - FLANGE WITH FEET		CONTINUOUS DUTY			INSUL. CL: F		NEMA B		S.F. 1.15								
Mtr. WT: 1631 lbs.		Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE		T.RISE: CLASS B		AMB. TEMP: 40°C		kVA CODE: G		IP 65									
THERMOSTATS, KLIXON TYPE, NORMALLY CLOSED (ONE PER PHASE) T3C TEMP CODE																			

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia: 24.7 lb-ft²

Ext Load Inertia Capability: 542 lb-ft²

Safe Stall Time

Hot: 20 Sec

Cold: 25 Sec

Typical Noise Data

A-weighted Sound

Sound Pressure: 75 dB(A)

Sound Power: 86 dB(A)

Octave Band Center Frequencies Hertz: This values are for the standard bearing configuration.

	250	500	1000	2000	4000	8000	Hz
SPL@3 feet	64	73	68	66	61	51	dB(A)

Bearings / Baleros

Bearing (AFBMA): 90RU03M0 80BC03JP3

Bearing size STD: NU 318 6316 Z C3

Ventilation Type / Tipo de Ventilación

Type of Cooling: TEFC Fan Material: Polypropylen ESD

Fan Rotation: Bidirectional

Grease / Grasa

Type: Mobil Polyrex

Thickener: Polyurea (Standard)

Frame / Armazón

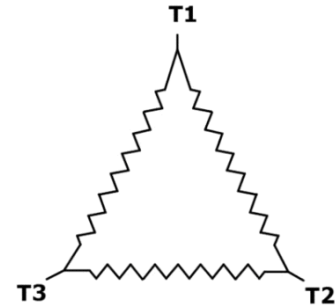
Frame material: Cast iron

Coating (paint finish): Standard Alkyed + Epoxy (C2)

Color, paint shade: Dark Charcoal Gray Metallic

Terminal box / Caja de Terminales

Terminal box position: Conduit Box (Entry from feet)



3 LEAD - DELTA

LINES			CONN.
L1	L2	L3	
T1	T2	T3	Δ

Wiring diagram

Additional information.

VFD Operation (V.T.):	20:1
VFD Operation (C.T.):	--
Area Classification:	Class I Division 1 Groups C and D Class II Division 1 Groups F and G
Hazardous Classification:	--
Hazardous Classification:	--
Temp. Code:	T3C