



PART Nr. / NUMERO DE PARTE: 1LE21211AA314GA3

TYPE / TIPO: GP100A

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

ABB										IE3	
TYPE:	GP100A	PART Nr:	1LE21211AA314GA3	145TC	IP 55	3PH	TEFC	NEMA B			
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY				
D.E.	25BC02JPP3		INSUL. CL:	F	KVA:	L	WEIGHT	44 lbs.			
O.D.E.	25BC02JPP3		AMB. TEMP.:	40°C	T.RISE:	CLASS B		EFFICIENCY			
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %		
2	1.492	3515	230/460	5.0/2.5	60	1.15	5.8/2.9	85.5	84		
2	1.12	2933	200/400	4.5/2.3	50	1.15	5.2/2.6	82.8	--		
CONNECTION											
VFD COMPATIBLE AT 1.0 S.F. 20:1 V.T., 4:1 C.T.											
			Low Voltage			High Voltage					
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]	$\Delta / Y$	f [Hz]	P			I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	$T_A/T_N$	$T_K/T_N$
			[HP]	[kW]	[rpm]	4/4	3/4	1/2	0	LRC	4/4	3/4	1/2	4/4	3/4	1/2	[lb-ft]	LRT [%]	BDT [%]
230/460	YY / Y	60.0	2.0	1.5	3515.0	5.0/2.5	4/2	3.2/1.6	2.4/1.2	46/23	85.5	85.7	84.0	87.6	81.3	69.0	2.9	250.0	420.0
200/400	YY / Y	50.0	1.5	1.1	2933.0	4.5/2.3	3.8/1.9	3.1/1.6	2.6/1.3	40.3/20.2	82.8	82.7	80.8	81.8	73.6	59.9	2.7	295.4	344.2
Frame	145TC	Type of constr.:	C - FLANGE WHITOUT FEET			CONTINUOUS DUTY			INSUL. CL: F			WHITOUT WINDING PROTECTION			NEMA B	S.F. 1.15			
Mtr WT:	44 lbs.	Mounting:	MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			T.RISE: CLASS B			AMB. TEMP.: 40°C			KVA: L	IP 55						

**Mechanical data / Datos Mecánicos**

**WK2**

Rotor Moment of Inertia: 0.0626 lb-ft<sup>2</sup>

Ext Load Inertia Capability: 2.4 lb-ft<sup>2</sup>

**Safe Stall Time**

Hot: 13 Sec

Cold: 18 Sec

**Typical Noise Data**

A-weighted Sound

Sound Pressure: 64 dB(A)

Sound Power: 76 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	44	52	62	59	54	46	dB(A)

**Bearings / Baleros**

	DE	NDE
Bearing size:	25BC02JPP3	25BC02JPP3

**Ventilation Type / Tipo de Ventilación**

Type of Cooling: TEFC Fan Material: Polypropylen

Fan Rotation: Bidirectional

**Grease / Grasa**

Type: Mobil Polyrex

Thickener: Polyurea (Standard)

**Frame / Armazón**

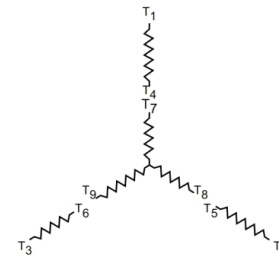
Frame material: Cast Iron

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 PHASE - 9 LEAD - WYE**

VOLTS	LINES			CONNECTED TOGETHER	CONN.
	L1	L2	L3		
LOW	T <sub>1</sub> T <sub>7</sub>	T <sub>2</sub> T <sub>8</sub>	T <sub>3</sub> T <sub>9</sub>	T <sub>4</sub> T <sub>5</sub> T <sub>6</sub>	YY
HIGH	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	T <sub>4</sub> T <sub>7</sub> -T <sub>5</sub> T <sub>8</sub> -T <sub>6</sub> T <sub>9</sub>	Y

**Wiring diagram**

**Additional information.**

VFD Operation (V.T.) :	20:1
VFD Operation (C.T.) :	4:1
Area Classification:	--
Hazardouz Classification:	--
Hazardouz Classification:	--
Temp. Code:	--