



PART Nr. / NUMERO DE PARTE: 1LE21211CA114AA3

TYPE / TIPO: GP100A

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

ABB								IE3	
TYPE:	GP100A	PART Nr:	1LE21211CA114AA3	182T	IP 55	3PH	TEFC	NEMA B	
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY		
D.E.	30BC02JPP3		INSUL. CL:	F	KVA:	J	WEIGHT	57 lbs.	
O.D.E.	30BC02JPP3		AMB. TEMP.:	40°C	T.RISE:	CLASS B		EFFICIENCY	
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %
3	2.238	3520	230/460	7.6/3.8	60	1.15	8.7/4.4	86.5	84
2	1.49	2949	200/400	6.1/3	50	1.15	7/3.5	84.2	--
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]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	T <sub>A</sub> /T <sub>N</sub>	T <sub>K</sub> /T <sub>N</sub>
						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	3.0	2.2	3520.0	7.6/3.8	6.1/3.1	4.8/2.4	3.4/1.7	60/30	86.5	86.3	84.2	85.5	79.8	69.5	4.4	185.0	380.0
200/400	YY / Y	50.0	2.0	1.5	2949.0	6.1/3	5/2.5	4.2/2.1	3.2/1.6	65.3/32.7	84.2	83.6	81.3	79.2	72.3	59.9	3.6	321.3	573.5
Frame 182T			Type of constr.: FOOT MOUNTED			CONTINUOUS DUTY			INSUL. CL: F			WHITOUT WINDING PROTECTION			NEMA B		S.F. 1.15		
Mtr WT: 57 lbs.			Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			T.RISE: CLASS B			AMB. TEMP.: 40°C			KVA: J		IP 55					

**Mechanical data / Datos Mecánicos**

**WK2**

Rotor Moment of Inertia: 0.1347 lb-ft<sup>2</sup>

Ext Load Inertia Capability: 3.5 lb-ft<sup>2</sup>

**Safe Stall Time**

Hot: 20 Sec

Cold: 30 Sec

**Typical Noise Data**

A-weighted Sound

Sound Pressure: 69 dB(A)

Sound Power: 81 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	49	61	66	64	60	50	dB(A)

**Bearings / Baleros**

	DE	NDE
Bearing size:	30BC02JPP3	30BC02JPP3

**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**

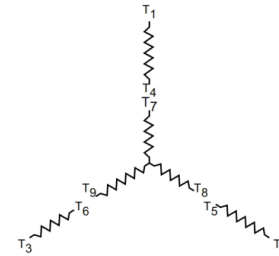
Frame material: Cast Iron

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:	--