



PART Nr. / NUMERO DE PARTE: 1LE21212AB214GA3

TYPE / TIPO: GP100A

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

<b>ABB</b>										<b>IE3</b>
TYPE:	GP100A	PART Nr:	1LE21212AB214GA3	215TC	IP 55	3PH	TEFC	NEMA B		
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY			
D.E.	40BC02JPP3		INSUL. CL:	F	KVA:	H	WEIGHT	141 lbs.		
O.D.E.	40BC02JPP3		AMB. TEMP.:	40°C	T.RISE:	CLASS B		EFFICIENCY		
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %	
10	7.46	1755	230/460	25.0/12.5	60	1.15	28.8/13.8	91.7	90.2	
8	5.6	1467	200/400	24.9/12.4	50	1.15	28.6/14.3	89.6	--	
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 [HP]	P [kW]	n [rpm]	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	$T_A/T_N$ LRT [%]	$T_K/T_N$ BDT [%]
						4/4	3/4	1/2	0	LRC	4/4	3/4	1/2	4/4	3/4	1/2			
230/460	YY / Y	60.0	10.0	7.5	1755.0	25.0/12.5	20/10	16/8	12.2/6.1	162/81	91.7	92.2	91.7	81.7	76.2	63.8	30.0	270.0	410.0
200/400	YY / Y	50.0	7.5	5.6	1467.0	24.9/12.4	20.8/10.4	18.1/9	16.6/8.3	164/82	89.6	89.7	88.2	71.3	63.8	49.8	26.9	233.0	500.0
Frame	215TC	Type of constr.:	C - FLANGE WHITOUT FEET			CONTINUOUS DUTY			INSUL. CL: F			WHITOUT WINDING PROTECTION			NEMA B	S.F. 1.15			
Mtr WT:	141 lbs.	Mounting:	MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			T.RISE: CLASS B			AMB. TEMP.: 40°C			KVA: H	IP 55						

**Mechanical data / Datos Mecánicos**

**WK2**

Rotor Moment of Inertia: 0.8679 lb-ft<sup>2</sup>

Ext Load Inertia Capability: 51 lb-ft<sup>2</sup>

**Safe Stall Time**

Hot: 20 Sec

Cold: 36 Sec

**Typical Noise Data**

A-weighted Sound

Sound Pressure: 57 dB(A)

Sound Power: 69 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	37	44	54	53	44	35	dB(A)

**Bearings / Baleros**

	DE	NDE
Bearing size:	40BC02JPP3	40BC02JPP3

**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**

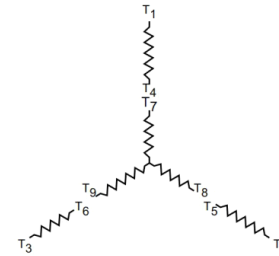
Frame material: Cast Iron

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:	--