



PART Nr. / NUMERO DE PARTE: 1LE21211CB114AA3

TYPE / TIPO: GP100A

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

ABB								IE3	
TYPE:	GP100A	PART Nr:	1LE21211CB114AA3	182T	IP 55	3PH	TEFC	NEMA B	
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY		
D.E.	30BC02JPP3		INSUL. CL:	F	KVA:	K	WEIGHT	68 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	1760	230/460	8.0/4.0	60	1.15	9.2/4.6	89.5	87.5
2	1.49	1475	200/400	6.6/3.3	50	1.15	7.6/3.8	85.3	--
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 [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	3.0	2.2	1760.0	8.0/4.0	6.6/3.3	5.4/2.7	4.2/2.1	66/33	89.5	89.4	87.8	78.5	71.7	59.5	9.0	235.0	360.0
200/400	YY / Y	50.0	2.0	1.5	1475.0	6.6/3.3	5.7/2.9	4.8/2.4	4/2	65.5/32.7	85.3	84.0	80.9	74.3	65.1	53.9	7.1	339.6	662.9
Frame	182T	Type of constr.:	FOOT MOUNTED			CONTINUOUS DUTY			INSUL. CL: F			WHITOUT WINDING PROTECTION			NEMA B		S.F. 1.15		
Mtr WT:	68 lbs.	Mounting:	MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			T.RISE: CLASS B			AMB. TEMP.: 40°C			KVA: K		IP 55					

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia: 0.2955 lb-ft²

Ext Load Inertia Capability: 17 lb-ft²

Safe Stall Time

Hot: 17 Sec

Cold: 29 Sec

Typical Noise Data

A-weighted Sound

Sound Pressure: 57 dB(A)

Sound Power: 67 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	42	46	54	49	43	32	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

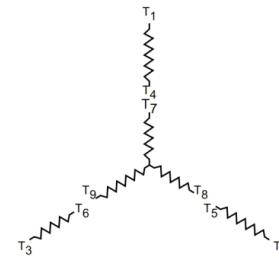
Frame material: Cast Iron

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 ₁ T ₇	T ₂ T ₈	T ₃ T ₉	T ₄ T ₅ T ₆	YY
HIGH	T ₁	T ₂	T ₃	T ₄ T ₇ -T ₅ T ₈ -T ₆ T ₉	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:	--