



PART Nr. / NUMERO DE PARTE: 1LE21211CC314EA3

TYPE / TIPO: GP100A

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

<b>ABB</b>										<b>IE3</b>
TYPE:	GP100A	PART Nr:	1LE21211CC314EA3	184TC	IP 55	3PH	TEFC	NEMA B		
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY			
D.E.	30BC02JPP3		INSUL. CL:	F	KVA:	J	WEIGHT	75 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. %	
2	1.492	1160	230/460	6.4/3.2	60	1.15	7.4/3.7	88.5	86.5	
2	1.119	970	200/400	6.0/3.0	50	1.15	6.9/3.5	81.1	--	
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		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>
			[HP]	[kW]		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	1160.0	6.4/3.2	5.4/2.7	4.6/2.3	3.8/1.9	40/20	88.5	88.7	87.5	66.1	58.8	46.5	9.1	240.0	310.0
200/400	YY / Y	50.0	1.5	1.1	970.0	6.0/3.0	5.2/2.6	4.6/2.3	3.9/2	35.8/17.9	81.1	80.8	78.8	61.8	53.5	41.5	8.1	260.0	377.0
Frame	184TC	Type of constr.:	C - FLANGE WHIT FEET			CONTINUOUS DUTY			INSUL. CL: F			WHITOUT WINDING PROTECTION			NEMA B	S.F. 1.15			
Mtr WT:	75 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:	0.2999	lb-ft <sup>2</sup>
Ext Load Inertia Capability:	30	lb-ft <sup>2</sup>

**Safe Stall Time**

Hot:	23 Sec
Cold:	32 Sec

**Typical Noise Data**

A-weighted Sound	
Sound Pressure:	54 dB(A)
Sound Power:	63 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	36	46	52	47	41	31	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**

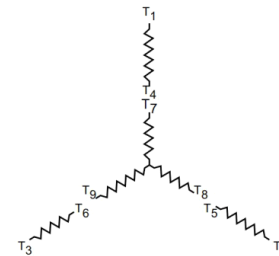
Type:	Mobil Polyrex
Thickener:	Polyurea (Standard)

**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)
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**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:	--