



PART Nr. / NUMERO DE PARTE: 1LE23231CB116GA3

TYPE / TIPO: SD100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

<b>ABB</b>										<b>IE3</b>
TYPE:	SD100	PART Nr:	1LE23231CB116GA3	182TC	IP 55	3PH	TEFC	NEMA B		
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY			
D.E.	30BC02JPP3		INSUL. CL:	F	KVA:	K	WEIGHT	121 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	--	
<b>CONNECTION</b>										
VFD COMPATIBLE			<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Low Voltage</p> </div> <div style="text-align: center;"> <p>High Voltage</p> </div> </div>				Class I Div. 2 GR A, B, C or D T3 Class I Zone 2 GR IIA, IIB or IIC T3			
AT 1.0 S.F. 20:1 V.T., 20:1 C.T.										
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.



Part Nr. 1LE23231CB116GA3

**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	$T_A/T_N$	$T_K/T_N$
						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	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 182TC			Type of constr.: C - FLANGE WHITOUT FEET			CONTINUOUS DUTY			INSUL. CL: F			WHITOUT WINDING PROTECTION			NEMA B		S.F. 1.15		
Mtr WT: 121 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-ft<sup>2</sup>

Ext Load Inertia Capability: 17 lb-ft<sup>2</sup>

**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**

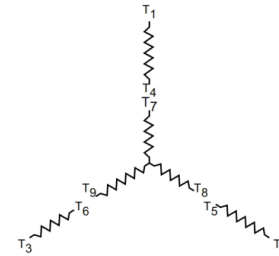
Frame material: Cast Iron

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 <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.) :	--
VFD Operation (C.T.) :	--
Area Classification:	--
Hazardouz Classification:	--
Hazardouz Classification:	--
Temp. Code:	--