



PART Nr. / NUMERO DE PARTE: 1LE23211AA114GA3

TYPE / TIPO: SD100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

ABB										IE3	
TYPE: SD100		PART Nr: 1LE23211AA114GA3		143TC		IP 55		3PH		TEFC NEMA B	
BEARINGS			SERIAL Nr.					CONTINUOUS DUTY			
D.E.	25BC02JP3		INSUL. CL:	F	KVA:	L	WEIGHT	75	lbs.		
O.D.E.	25BC02JP3		AMB. TEMP.:	40°C	T.RISE:	CLASS B		EFFICIENCY			
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %		
1	0.746	3520	230/460	2.8/1.4	60	1.15	3.2/1.6	82.5	80		
1	0.56	2938	200/400	2.4/1.2	50	1.15	2.7/1.4	77.8	--		
CONNECTION											
VFD COMPATIBLE											
AT 1.0 S.F. 20:1 V.T., 4:1 C.T.											
Low Voltage High Voltage											
Class I Div. 2 GR A, B, C or D T3											
Class I Zone 2 GR IIA, IIB or IIC T3											
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	Δ / Y	f	P	P	n	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	T _A /T _N	T _k /T _N
[V]		[Hz]	[HP]	[kW]	[rpm]	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	1.0	0.7	3520.0	2.8/1.4	2.2/1.1	1.8/0.9	1.4/0.7	24/12	82.5	82.1	79.3	81.1	77.4	65.2	1.5	175.0	380.0
200/400	YY / Y	50.0	0.8	0.6	2938.0	2.4/1.2	2/1	1.7/0.8	1.4/0.7	23.9/12	77.8	77.0	73.7	81.8	73.9	60.8	1.3	280.6	436.3
Frame		143TC	Type of constr.: C - FLANGE WHITOUT 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: L		IP 55			

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia:	0.0479	lb-ft²
Ext Load Inertia Capability:	--	lb-ft²

Safe Stall Time

Hot:	12 Sec
Cold:	16 Sec

Typical Noise Data

A-weighted Sound	
Sound Pressure:	64 dB(A)
Sound Power:	76 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	44	52	62	59	54	46	dB(A)

Bearings / Baleros

	DE	NDE
Bearing size:	25BC02JP3	25BC02JP3

Ventilation Type / Tipo de Ventilación

Type of Cooling:	TEFC	Fan Material:	Polypropylen
Fan Rotation:	Bidirectional		

Grease / Grasa

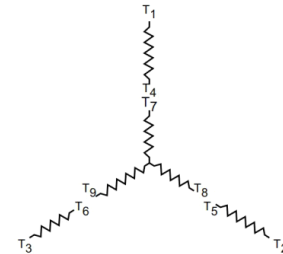
Type:	Mobil Polyrex
Thickener:	Polyurea (Standard)

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 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:	Class I Division 2 Gr. A, B, C or D
Hazardouze Classification:	Class I Zone 2 GR IIA, IIB or IIC T3
Hazardouze Classification:	Class I Zone 2 GR IIA, IIB or IIC T3
Temp. Code:	T3