



PART Nr. / NUMERO DE PARTE: 1LE23212BB214AA3

TYPE / TIPO: SD100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

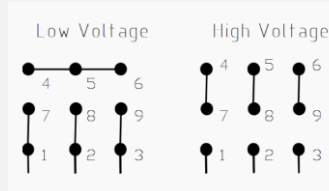
ABB

IE3

TYPE: SD100			PART Nr: 1LE23212BB214AA3		256T	IP 55	3 PH	TEFC	NEMA B
BEARINGS			SERIAL Nr.					CONTINUOUS DUTY	
D.E.	45BC03JP3		INSUL. CL:	F	kVA CODE:	G	WEIGHT:	322	lbs.
O.D.E.	45BC03JP3		AMB. TEMP:	40°C	T.RISE:	CLASS B	EFFICIENCY		
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %
20.00	14.920	1 770	230/460	50.0/25.0	60	1.15	57.5/28.8	93.0	91.7
15.00	11.190	1 475	200/400	42.6/21.3	50	1.15	49/24.5	91.5	--

CONNECTION

VFD COMPATIBLE
AT 1.0 S.F. 20:1 V.T., 20:1 C.T.
GREASE: POLYUREA BASE



Class I Division 2 Gr. A, B, C or D
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.



Part Nr. 1LE23212BB214AA3

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	20.00	14.92	1 770	50.0/25.0	39.7/19.8	30.8/15.4	21/10.5	290/145	93.0	93.4	93.1	80.5	75.9	65.3	60.0	185.0	240.0
200/400	YY/Y	50.0	15.00	11.19	1 475	42.6/21.3	37.2/18.6	31/15.5	25.2/12.6	337/168.5	91.5	91.3	90.3	81.4	70.2	56.8	53.4	299.2	347.5
Frame 256T		Type of constr.: FOOT MOUNTED									CONTINUOUS DUTY			INSUL. CL: F			NEMA B	S.F. 1.15	
Mtr. WT: 322 lbs.		Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE									T.RISE: CLASS B			AMB. TEMP: 40°C			kVA CODE: G	IP 55	
WITHOUT WINDING PROTECTION																			

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia:	2.0643	lb-ft ²
Ext Load Inertia Capability:	99	lb-ft ²

Safe Stall Time

Hot:	15 Sec
Cold:	33 Sec

Typical Noise Data

A-weighted Sound

Sound Pressure:	61 dB(A)
Sound Power:	73 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	47	53	59	56	47	38	dB(A)

Bearings / Baleros

DE

NDE

Bearing (AFBMA):	45BC03JP3	45BC03JP3
Bearing size STD:	6309 Z C3 S0	6309 Z C3 S0

Ventilation Type / Tipo de Ventilación

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

Grease / Grasa

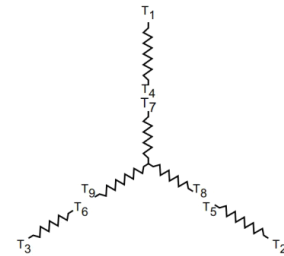
Type:	Mobil Polyrex
Thickener:	Polyurea (Standard)

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.) :	20:1
Area Classification:	Class I Division 2 Gr. A, B, C or D
Hazardouuz Classification:	Class I Zone 2 GR IIA, IIB or IIC T3
Hazardouuz Classification:	--
Temp. Code:	T3