



PART Nr. / NUMERO DE PARTE: 1LE23212BB213EA3

TYPE / TIPO: SD100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: Y

**ABB**

**IE3**

TYPE: SD100 | PART Nr: 1LE23212BB213EA3 | 256TC | IP 55 | 3 PH | TEFC | NEMA B

BEARINGS			SERIAL Nr.					CONTINUOUS DUTY	
D.E.	45BC03JP3		INSUL. CL:	F	kVA CODE:	G	WEIGHT:	319 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	575	20.0	60	1.15	23.0	93.0	91.7

CONNECTION

VFD COMPATIBLE

AT 1.0 S.F. 20:1 V.T., 20:1 C.T.



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 [V]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T <sub>A</sub> /T <sub>N</sub> LRT [%]	T <sub>R</sub> /T <sub>N</sub> BDT [%]
						4/4	3/4	1/2	0	LRC	4/4	3/4	1/2	4/4	3/4	1/2			
575.0	Y	60.0	20.00	14.92	1770	20.0	15.9	12.3	8.4	116.0	93.0	93.4	93.1	80.5	75.9	65.3	60.0	185.0	240.0
Frame 256TC		Type of constr.: C - FLANGE WHIT FEET				CONTINUOUS DUTY			INSUL. CL: F			NEMA B	S.F. 1.15						
Mtr. WT: 319 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						
WHITOUT WINDING PROTECTION																			

**Mechanical data / Datos Mecánicos**

**WK2**

Rotor Moment of Inertia: 2.0643 lb-ft<sup>2</sup>

Ext Load Inertia Capability: 99 lb-ft<sup>2</sup>

**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**

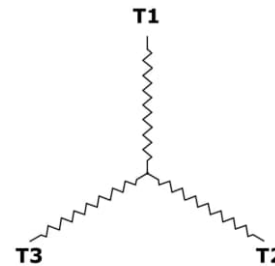
Frame material: Cast iron

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)



**3 LEAD - WYE**

LINES			CONN.
L1	L2	L3	
T1	T2	T3	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
Hazardouz Classification:	Class I Zone 2 GR IIA, IIB or IIC T3
Hazardouz Classification:	--
Temp. Code:	T3