



PART Nr. / NUMERO DE PARTE: 1LE23212BB214AA3

TYPE / TIPO: SD100

PHASE / FASES: 3

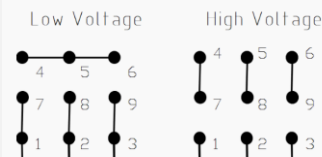
CONNECTION / CONECCIÓN: YY-Y



TYPE:	SD100	PART Nr:	1LE23212BB214AA3	256T	IP 55	3PH	TEFC	NEMA B	
BEARINGS			SERIAL Nr.					CONTINUOUS DUTY	
D.E.	45BC03JP3		INSUL. CL:	F	KVA:	G	WEIGHT	322	lbs.
O.D.E.	45BC03JP3		AMB. TEMP.:	40°C	T.RISE:	90°C @ S.F. 1.0		EFFICIENCY	
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %
20	14.92	1 770	230	50	60	1.15	57.5	93	91.7
20	14.92	1 770	460	25	60	1.15	28.8	93.0	91.7

CONNECTION

VFD COMPATIBLE AT 1.0 S.F.
AT 1.0 S.F. 20:1 V.T., 4:1 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.



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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 [%]
230.0	YY	60.0	20.0	14.9	1 770	50.0	39.7	30.8	21.0	290.0	93.0	93.4	93.1	80.5	75.9	65.3	60.0	185.0	240.0
460.0	Y	60.0	20.0	14.9	1 770	25.0	19.8	15.4	10.5	145.0	93.0	93.4	93.1	80.5	75.9	65.3	60.0	185.0	240.0
Frame		256T	Type of constr.: FOOT MOUNTED			CONTINUOUS DUTY					INSUL. CL: F		WHITOUT WINDING PROTECTION			NEMA B		S.F. 1.15	
Mtr WT:		322 lbs.	Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			T.RISE: 90°C @ S.F. 1.0					AMB. TEMP.: 40°C			KVA: G		IP 55			

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia:	2.0643	lb-ft²
Ext Load Inertia Capability:	99	lb-ft²

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 size:	45BC03JP3	45BC03JP3

Ventilation Type / Tipo de Ventilación

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

Grease / Grasa

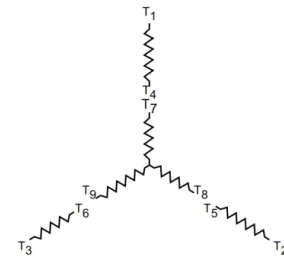
Type:	Mobil Polyrex
Thickener:	Polyurea (Standard)

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
Hazardouz Classification:	Class I Zone 2 GR IIA, IIB or IIC T3
Hazardouz Classification:	Class I Zone 2 GR IIA, IIB or IIC T3
Temp. Code:	T3