



PART Nr. / NUMERO DE PARTE: 1LE23212CB212AA3

TYPE / TIPO: SD100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: Δ

ABB									
TYPE:	SD100	PART Nr:	1LE23212CB212AA3	286T	IP 55	3PH	TEFC	NEMA B	
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY		
D.E.	50BC03JP3		INSUL. CL:	F	KVA:	G	WEIGHT	470 lbs.	
O.D.E.	50BC03JP3		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. %
30	22.38	1 775	460	35	60	1.15	40	93.6	93
CONNECTION									
VFD COMPATIBLE AT 1.0 S.F. AT 1.0 S.F. 20:1 V.T., 20:1 C.T. GREASE: POLYUREA BASE							TEMP. CODE: T3 CLASS I, DIVISION 2 GR. A, B, C o D TEMP. CODE: T3C CLASS II, DIVISION 2 GR. F o G		
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_A/T_N LRT [%]	T_K/T_N BDT [%]
						4/4	3/4	1/2	0	LRC	4/4	3/4	1/2	4/4	3/4	1/2			
460.0	Δ	60.0	30.0	22.4	1 775	35.0	27.3	20.5	12.0	218.0	93.6	94.1	93.9	85.0	82.0	73.0	89.0	180.0	250.0
Frame 286T		Type of constr.: FOOT MOUNTED		CONTINUOUS DUTY		INSUL. CL: F		WHITOUT WINDING PROTECTION		NEMA B		S.F. 1.15							
Mtr WT: 470 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: 4.8 lb-ft²

Ext Load Inertia Capability: 144 lb-ft²

Safe Stall Time

Hot: 24 Sec

Cold: 44 Sec

Typical Noise Data

A-weighted Sound

Sound Pressure: 65 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	51	55	55	62	59	51	dB(A)

Bearings / Baleros

	DE	NDE
Bearing size:	50BC03JP3	50BC03JP3

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

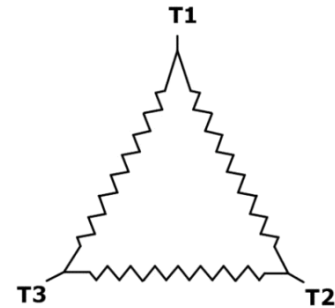
Frame material: Cast Iron

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 - DELTA

LINES			CONN.
L1	L2	L3	
T1	T2	T3	

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