



PART Nr. / NUMERO DE PARTE: 1LE23212AB214AA3

TYPE / TIPO: SD100

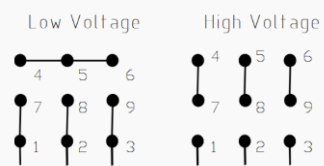
PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y



TYPE:	SD100	PART Nr:	1LE23212AB214AA3	215T	IP 55	3PH	TEFC	NEMA B	
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY		
D.E.	40BC02JP3		INSUL. CL:	F	KVA:	H	WEIGHT	190 lbs.	
O.D.E.	40BC02JP3		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. %
10	7,46	1 755	230	25	60	1,15	28.75	91,7	90,2
10	7,46	1 755	460	12.5	60	1.15	14.4	91,7	90,2

CONNECTION



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	T _A /T _N	T _K /T _N
						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	10.0	7,46	1755	25.0	20.0	16.0	12.2	162.0	91.7	92.2	91.7	81.7	76.2	63.8	30.0	270.0	410.0
460.0	Y	60.0	10.0	7,46	1755	12.5	10.0	8.0	6.1	81.0	91.7	92.2	91.7	81.7	76.2	63.8	30.0	270.0	410.0
Frame		215T	Type of constr.:		FOOT MOUNTED		CONTINUOUS DUTY			INSUL. CL: F		WHITOUT WINDING PROTECTION			NEMA B		S.F. 1,15		
Mtr WT:		190 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: H		IP 55			

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia: 0.8679 lb-ft²

Ext Load Inertia Capability: 51 lb-ft²

Safe Stall Time

Hot: 20 Sec

Cold: 36 Sec

Typical Noise Data

A-weighted Sound

Sound Pressure: 57 dB(A)

Sound Power: 69 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	37	44	54	53	44	35	dB(A)

Bearings / Baleros

	DE	NDE
Bearing size:	40BC02JP3	40BC02JP3

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

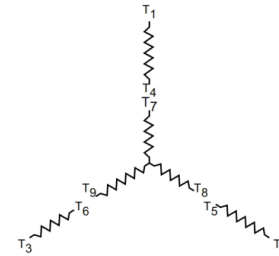
Frame material: Cast Iron

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 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