



PART Nr. / NUMERO DE PARTE: 1MB21212BB214AG3

TYPE / TIPO: XP100

PHASE / FASES: 3

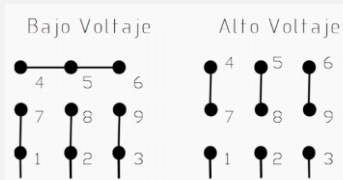
CONNECTION / CONECCIÓN: YY-Y



TIPO: XP100			No. PARTE: 1MB21212BB214AG3		256T	IP 65	3 F	TCVE	NEMA B	
BALEROS			No. SERIE.				SERVICIO CONTINUO			
L. EJE	6309 Z C3 S0		AISL.CLASE: F		L.COD.KVA: G		PESO: 155 kg.			
L. VENT	6309 Z C3 S0		TEMP.AMB: 55°C		INC.TEMP: 80°C @ F.S. 1.0				EFICIENCIA	
CP	kW	min ⁻¹	V	A	Hz	F.S.	A.F.S.	η nom. %	η min. %	
20.00	14.92	1 770	230/460	50.0/25.0	60	1.15	57.5/28.5	93.0	92.4	
15.00	11.19	1 475	200/400	42.6/21.3	50	1.15	49/24.5	91.5	--	

CONEXIÓN

PARA USO EN VDF
20:1 T.V. 4:1 T.C. A F.S. 1.0 @ 40°C
LUBRICAR SEGUN INSTRUCTIVO



Clase I División 1 Grupos C y D
Clase II División 1 Grupos F y G

NOM-016-ENER-2016

Hecho en México por 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 _R /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			
230/460	YY / Y	60.0	20.00	14.9	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	11.2	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: 342 lbs.		Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			T.RISE: 80°C @ S.F.1.0			AMB. TEMP: 55°C			kVA CODE: G		IP 65						
THERMOSTATS, KLIXON TYPE, NORMALLY CLOSED (ONE PER PHASE) T3C TEMP CODE																			

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia:	2.1	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

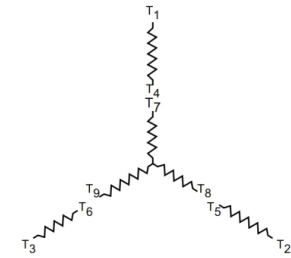
Type:	Mobil Polyrex
Thickener:	Polyurea (Standard)

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.):	4:1
Area Classification:	Class I Division 1 Groups C and D Class II Division 1 Groups F and G
Hazardouz Classification:	--
Hazardouz Classification:	--
Temp. Code:	T3C