



PART Nr. / NUMERO DE PARTE: 1LE22251AB414EA3

TYPE / TIPO: GP100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

ABB										
TIPO:	GP100	No. PARTE:	1LE22251AB414EA3	145TC	IP 55	3PH	TCVE	NEMA B		
BALEROS			No. SERIE:				SERVICIO CONTINUO			
L. EJE	6205 ZZ C3		AI SL. CLASE:	F	L. COD. KVA:	L	PESO:	30 kg		
L. VENT	6205 ZZ C3		TEMP. AMB.:	40°C	INC. TEMP:	90°C @ F.S. 1.0		EFICIENCIA		
CP	kW	min <sup>-1</sup>	V	A	Hz	F.S.	A.F.S.	η nom %	η min %	
2	1.5	1 740	230/460	5.6/2.8	60	1.15	6.4/3.2	86.5	84	
<b>CONEXIÓN</b>										
COMPATIBLE USO VDF A 1.0 F.S.			Bajo Voltaje			Alto Voltaje				
20:1 T.V., 4:1 T.C.										
LUBRICAR SEGUN INSTRUCTIVO									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]	$\Delta / Y$	f [Hz]	P			n [rpm]	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	$T_A/T_N$	$T_K/T_N$
			[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 [%]
230/460	YY / Y	60.0	2.0	1.5	1740	5.6/2.8	4.6/2.3	3.8/1.9	3/1.5	48/24	86.5	87.2	86.0	77.3	70.8	57.8	6.0	320.0	390.0	
Frame 145TC		Type of constr.: C - FLANGE WHIT FEET			SERVICIO CONTINUO		AISL.CLASE: F		WHITOUT WINDING PROTECTION			NEMA B		F.S. 1.15						
Mtr WT: 30 kg		Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			INC.TEMP: 90°C @ F.S. 1.0		TEMP. AMB.: 40°C			L.COD.K VA: L		IP 55								

**Mechanical data / Datos Mecánicos**

**WK2**

Rotor Moment of Inertia: 0.1781 lb-ft<sup>2</sup>

Ext Load Inertia Capability: 11 lb-ft<sup>2</sup>

**Safe Stall Time**

Hot: 14 Sec

Cold: 22 Sec

**Typical Noise Data**

**A-weighted Sound**

Sound Pressure: 50 dB(A)

Sound Power: 62 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	40	49	45	37	31	dB(A)

**Bearings / Baleros**

	DE	NDE
Bearing size:	6205 ZZ C3	6205 ZZ C3

**Ventilation Type / Tipo de Ventilación**

Type of Cooling: TCVE Fan Material: Polypropylen

Fan Rotation: Bidirectional

**Grease / Grasa**

Type: Mobil Polyrex

Thickener: Polyurea (Standard)

**Frame / Armazón**

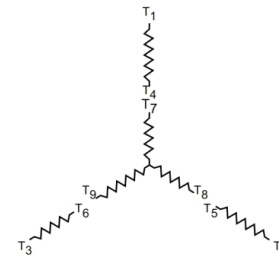
Frame material: Cast Iron

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 <sub>1</sub> T <sub>7</sub>	T <sub>2</sub> T <sub>8</sub>	T <sub>3</sub> T <sub>9</sub>	T <sub>4</sub> T <sub>5</sub> T <sub>6</sub>	YY
HIGH	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	T <sub>4</sub> T <sub>7</sub> -T <sub>5</sub> T <sub>8</sub> -T <sub>6</sub> T <sub>9</sub>	Y

**Wiring diagram**

**Additional information.**

VFD Operation (V.T.) :	20:1
VFD Operation (C.T.) :	4:1
Area Classification:	--
Hazardouz Classification:	--
Hazardouz Classification:	--
Temp. Code:	--