NEMA MOTORS

Electrical Motor Datasheet
Hoja de datos del Motor Eléctrico

PART Nr. / NUMERO DE PARTE: 1PC65254TC112AA1

TYPE / TIPO: DP200 CRUSH+

PHASE / FASES: 3

CONECTION / CONECCIÓN: ΔΔ

ABB

IE3

TYPE: DP200 CRUSH+	PART Nr:	1PC65254TC112AA1	R447T	IP 65	3PH	TEFC	NEMA A
BEARINGS		SERIAL Nr.				CONTINUOUS DUTY	
D.E.	100RU03M0	INSUL. CL:	H	KVA:	J	WEIGHT	1913 lbs.
O.D.E.	75BC03JP3	AMB. TEMP.:	40˚C	T.RISE:	80°C @ S.F. 1.0	EFFICIENCY	

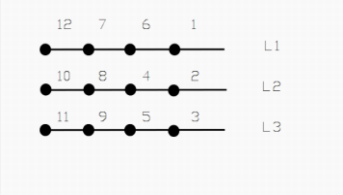
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %
150	111.9	1190	460	198.0	60	1.15	228	95.8	95.4
-	90.0	991	400	186.5	50	1.15	214.5	94.9	94.4

CONNECTION

VFD COMPATIBLE

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

GREASE: POLYUREA BASE



Class I Div. 2 GR A, B, C or D T3

Class I Zone 2 GR IIA, IIB or IIC T3

Class II Div. 2 GR F OR G T3C

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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TYPE / TIPO: DP200 CRUSH+

PHASE / FASES: 3

CONECTION / CONECCIÓN: ΔΔ

ABB

TIPO: DP200 CRUSH+		No. PARTE: 1PC65254TC112AA1		R447T	IP 65	3PH	TCVE	NEMA A
BALEROS		No. SERIE:					SERVICIO CONTINUO	
L. EJE	NU320	AISL.CLASE:	H	L.COD.KVA: J		PESO: 868 kg		
L. VENT	6315 Z C3 S0	TEMP. AMB.:	40˚C	INC.TEMP: 80 @ F.S. 1.0			EFICIENCIA	

CP	kW	min^{-1}	V	A	Hz	F.S.	A.F.S.	η nom %	η min %
150	111.9	1 190	460	198.0	60	1.15	228	95.8	95.4
-	90.0	991	400	186.5	50	1.15	214.5	94.9	94.4

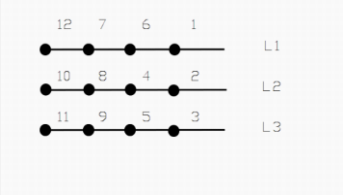
CONEXÍON

COMPATIBLE USO VDF

A 1.0 F.S. 20:1 T.V., 4:1 T.C.

LUBRICAR SEGÚN INSTRUCTIVO

NOM-016-ENER-2016



Clase I Div. 2 Gpo A, B, C o D T3

Clase I Zona 2 Gpo IIA, IIB o IIC T3

Clase II Div. 2 Gpo F O G T3C

Hecho en México por ABB NEMA MOTORS

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NEMA MOTORS

Electrical Motor Datasheet
Hoja de datos del Motor Eléctrico

Part Nr. 1PC65254TC112AA1

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] 4/4	3/4	1/2	0	LRC	Nom. Eff Load [%] 4/4	3/4	1/2	Pwr. Factor Load [%] 4/4	3/4	1/2	Torque [lb-ft]	T_A/T_N LRT [%]	T_k/T_N BDT [%]
460.0	ΔΔ	60.0	150.0	111.9	1190.0	198.0	166.0	139.0	110.0	1330.0	95.8	95.6	94.9	74.5	66.6	53.3	662.0	200.0	300.0
400.0	ΔΔ	50.0	-	90.0	991.0	186.5	156.4	131.6	108.2	1366.5	94.9	94.8	93.9	73.0	65.3	52.3	639.5	240.0	520.0

Frame	R447T	Type of constr.:	FOOT MOUNTED (HORIZONTAL IMB3 - FI / F2 / F3)	CONTINUOUS DUTY	INSUL. CL: H	WHITOUT WINDING PROTECTION	*NEMA A* S.F. 1.15
Mtr WT:	1913 lbs.	Mounting:	LHS MOUNT - VIEW FROM DE (F 1) - MOUNTED ON DRIVE END OR CENTER OF MOTOR	T.RISE: 80°C @ S.F. 1.0		AMB. TEMP.: 40˚C	KVA: J IP 65

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia:	55	lb-ft²
Ext Load Inertia Capability:	1720	lb-ft²

Safe Stall Time

Hot:	28	Sec
Cold:	43	Sec

Typical Noise Data

A-weighted Sound

Sound Pressure:	74	dB(A)
Sound Power:	86	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	65	69	70	65	61	52	dB(A)

Bearings / Baleros

	DE	NDE
Bearing size:	100RU03M0	75BC03JP3

Ventilation Type / Tipo de Ventilación

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

Grease / Grasa

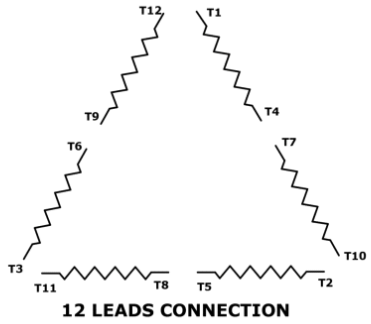
Type:	Mobil Polyrex
Thickener:	Polyurea (Standard)

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)



12 LEADS CONNECTION

LINES	CONNECT TOGETHER	CONN.
L1	T12 - T7 - T6 - T1	△
L2	T10 - T8 - T4 - T2	△
L3	T11 - T9 - T5 - T3	

Wiring diagram

Additional information.	
VFD Operation (V.T.) :	20:1
VFD Operation (C.T.) :	4:1
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