0	Dan	i-tech
	-all	I - LCCII

## Data Sheet 080BA-3-4P-B14A-R

Project: Doc. No.: Electrical Motor

 Package no.:
 Date of issue:
 Rev.:
 Page:

 01-07-2015
 0
 1

	01-01-2010			
No.	Definition	Data	Unit	Remarks
1	Manufacturer	Dani-tech A/S		
2	Product	electric motor		
3	Product code	2800		
4	Type/Frame	IEC80		
5	Serial no.			
6	Mounting	B14A		
7	Degree of Protection	55	IP	
8		160°C	IF	
	Winding temp. sensors	160 C	Ot/D - It -	
	Winding Connection		Star/Delta	
	Rated output P <sub>N</sub>	1,1	kW	
11	Rated voltage U <sub>N</sub>	3 x 230/400	V	Plus/Minus 5% acc to IEC60034
12	Allowable starting voltage		%Un	
13	Rated frequency f <sub>N</sub>	50	Hz	
	Rated current I <sub>N</sub>	230V 4,8 400v 2,8	Α	
	No-load current	2007 1,0 1007 2,0	A	
16	Service factor		Α	
		S2		
17	Type of duty			
	Rated speed n <sub>N</sub>	1400	rpm	
19	Nominal torque T <sub>N</sub>		Nm	
20	Locked rotor torque T <sub>S</sub> /T <sub>N</sub>		Nm	
	Maximum torque T <sub>max</sub> /T <sub>N</sub>		Nm	
	Minimum torque T <sub>min</sub> /T <sub>N</sub>		Nm	
23	Speed at minimum torque	1 10/	rpm	F
	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency % Power factor
24	PLL determined from residual loss	100		
25		75		
26		50		
27		Start		
28	Maximum starting time from hot & cold		s/s	
29	Insulation class / Temperature class	F		
30	Ambient temperature	40	°C	
31	Altitude	1000	m.a.s.l.	
32	Cooling Method	411	IC	FAN
33		411		
		411	m³/hr	
34	Cooling Water Flow Rate		m³/hr	
	Cooling Water Flow Rate Bearing DE/NDE	6204 ZZ		
35	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings		m³/hr I/min	
35 36	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease		I/min	at load
35 36 37	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A)		l/min dB(A)	at load
35 36 37 38	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2		I/min	at load
35 36 37 38 39	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = 1/4 GD2 Balancing		l/min dB(A)	at load
35 36 37 38 39 40	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors	6204 ZZ	l/min dB(A)	at load
35 36 37 38 39 40 41	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box	6204 ZZ TOP	l/min dB(A)	at load
35 36 37 38 39 40 41 42	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material	6204 ZZ  TOP PLASTIC	l/min dB(A)	at load
35 36 37 38 39 40 41 42 43	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens.	TOP PLASTIC No.1 M20	l/min dB(A)	at load
35 36 37 38 39 40 41 42 43	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals	6204 ZZ  TOP PLASTIC	l/min dB(A)	at load
35 36 37 38 39 40 41 42 43 44	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation	TOP PLASTIC No.1 M20	l/min dB(A) kgm²	at load
35 36 37 38 39 40 41 42 43 44 45	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	at load
35 36 37 38 39 40 41 42 43 44 45 46	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor	TOP PLASTIC No.1 M20	l/min dB(A) kgm²	at load
35 36 37 38 39 40 41 42 43 44 45 46 47	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no.	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no.	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no.	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no. Painting specification	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Ex-mo	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no. Painting specification	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Ex-mo	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ¼ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no. Painting specification  tors Ex Certificat issued by	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Ex-mo 52 53	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no. Painting specification  tors Ex Certificat issued by Ex Certificat number	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Ex-mo	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ¼ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no. Painting specification  tors Ex Certificat issued by	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 Ex-mo 52 53	Cooling Water Flow Rate Bearing DE/NDE Oil Quantity for bearings Type of Grease Sound pressure level at 1 meter LP dB(A) Moment of inertia J = ½ GD2 Balancing Make/Type of vibration detectors Position of terminal box Terminal box material Terminal box entries; no, dimens. Number of power terminals Direction of rotation Weight of rotor Total weight of motor Dimension drawing no. Painting specification  tors Ex Certificat issued by Ex Certificat number	6204 ZZ  TOP PLASTIC No.1 M20 6	l/min  dB(A) kgm²	

Option Variant Codes / Definition

55

Remarks

## Declaration of conformity

The Company Dani-tech A/S with headquarters Bredholm 4, DK6100 Haderslev, Denmark.

## Declares

under its own responsibility that the asinchronous electricmotors, threephase and singlephase with **Dani-tech Name label**, conform to safety requirements prescribed by Directive 2006/95/CE (low tension) relative to electrical material destined to be used in tension from 50 volt to 1000 volt in alternating current.

## 2004-108-CE (electromagnetic compability)

Motors are manufacured in observance of the norms CEI2-3 file 1110(rotating electric machined), conforming to document of harmonization CENELEC HD 53.1.S2 Corresponding to the norm IEC34-1, and the norm CEI 2 16 (classification ofgrade of covering protections) which confirms to the document of Harmonization CENELEC HD60034.5, corresponding to the norm IEC34-5.