Issue 2, date 05.08.2008

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Cast Iron

a company of ATB Technology in Motion

Motor type: WU-DF100LR IE2 2P 3kW B3
Motor item number: 100W247300T

	50 HZ data				60 HZ data	
Rated power:			3	kW		kW
Poles(Synch speed):			2p (3000)	r.p.m		r.p.m
Full load speed:			2890	r.p.m		r.p.m
Voltage:	230	/	400	V		V
Frequency:			50	Hz		Hz
Connection:	Δ	/	Y			
Amps full load (FLA):	10,2	/	5,9	A		A
Amps no-load (NLA):				A		

Enclosure:	IP55		Cable entries size:	2 x CM20	
Mounting:	IM B3 (IM 1001)		Winding protection:		
Insulation Class:	F		Max. Altitude:	1000	m.a.s.l.
Max. ambient temp.:	+40	°C	Heater:	no	
Min. ambient temp.:	-20	°C	Shaft extension:	28x60	mm
Max. temp. rise:	80	K	Weight:	41,8	kg
Duty type:	S1		Painting:	Argus	
Cooling form:	IC411 (TEFC)		Color:	RAL 5021	
Bearing DE	6206	ZZ C3	Box position:	Top DE	
Bearing NDE	6205	ZZ C3	Cable entry towards:	Right	
Grease:	Lithium or Polyurea Base		Cable type:	N/A	
Regreasing facilities:	NO		Balance grade:	Normal	

Efficiency class:	IE2		
Load data:	100%	75%	50%
Efficiency:	84,6	82,7	75,2
Power factor:	0,88	0,74	0,54

Sound pressure (1m):	60	dB(A)
Resistance R20:	1,48	PH

Full load torque (FLT):	9,9	Nm	Pull out torque ratio:	3,1	MK/MN
Starting torque ratio:	3,1	MA/MN	Pull up torque:	2,4	MS/MN
Starting current ratio:	8,1	IA/IN	Rotor inertia WK2:	0,005	kgm^2

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification:		Temp. Class:	
		t_E time:	sek
Certificate number:			

Special remarks: