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-DF180ME-H IE2 4P 18,5 kW B35
Motor item number: 180W477520T

	50 HZ data				60 HZ data	
Rated power:			18,5	kW		kW
Poles(Synch speed):			4p (1500)	r.p.m		r.p.m
Full load speed:			1470	r.p.m		r.p.m
Voltage:	400	/	690	V		V
Frequency:			50	Hz		Hz
Connection:	Δ		Y			
Amps full load (FLA):	35	/	20,2	A		A
Amps no-load (NLA):				A		

Enclosure:	IP55		Cable entries size:	2 x CM32
Mounting:	IM B35 (IM 2001)		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:	48x110 mm
Max. temp. rise:	80	K	Weight:	kg
Duty type:	S1		Painting:	Argus
Cooling form:	IC411 (TEFC)		Color:	RAL 5021
Bearing DE	6310	ZZ C3	Box position:	Top DE
Bearing NDE	6308	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:	91,2	91,8	90,7
Power factor:	0,84	0,77	0,66

Sound pressure (1m):	62	dB(A)
Resistance R20:	0,41	PH

Full load torque (FLT):	120,2	Nm	Pull out torque ratio:	3,2	MK/MN
Starting torque ratio:	2,8	MA/MN	Pull up torque:	2,2	MS/MN
Starting current ratio:	8,4	IA/IN	Rotor inertia WK2:	0,16	kgm^2

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: