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: W-DF250MN IE2 4P 75kW B3
Motor item number: 250W931407

	50 HZ data				60 HZ data	
Rated power:		75	kW			kW
Poles(Synch speed):		4p (1500)	r.p.m			r.p.m
Full load speed:		1480	r.p.m			r.p.m
Voltage:	400 /	690	V			V
Frequency:		50	Hz			Hz
Connection:	Δ /	Y				
Amps full load (FLA):	135 /	79	A			A
Amps no-load (NLA):			A			

Enclosure:	IP55		Cable entries size:		
Mounting:	IM B3 (IM 1001)		Winding protection:	3xPT160	
Insulation Class:	F		Max. Altitude:	1000	m.a.s.l.
Max. ambient temp.:	+40	°C	Heater:	no	
Min. ambient temp.:	-20	°C	Shaft extension:	70x140	mm
Max. temp. rise:	80	K	Weight:	570	kg
Duty type:	S1		Painting:	Argus	
Cooling form:	IC411 (TEFC)		Color:	RAL 5021	
Bearing DE	6318	C3	Box position:	Top DE	
Bearing NDE	6318	C3	Cable entry towards:	Right	
Grease:	Lithium or Polyurea Base		Cable type:	N/A	
Regreasing facilities:	YES		Balance grade:	Normal	

Efficiency class:	IE2		
Load data:	100%	75%	50%
Efficiency:	94	95,2	94,4
Power factor:	0,85	0,82	0,74

Sound pressure (1m):	69	dB(A)
Resistance R20:	0,057	PH

Full load torque (FLT):	484,0	Nm	Pull out torque ratio:	2,7	MK/MN
Starting torque ratio:	2,4	MA/MN	Pull up torque:	1,9	MS/MN
Starting current ratio:	7,4	IA/IN	Rotor inertia WK2:	1,4	kgm^2

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: