Issue 3, date 31.07.2012

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Aluminium

Motor type: WP-DA160MM IE3 6P 7,5kW

Motor item number:

	50 HZ data				60 HZ data		
Rated power:		7,5		kW		6,8	kW
Poles(Synch speed):		6p (1000)		r.p.m		6p (1200)	r.p.m
Full load speed:		975		r.p.m		1175	r.p.m
Voltage:	400	/	690	V		460	V
Frequency:		50		Hz		60	Hz
Connection:	Δ	/	Y			Δ	
Amps full load (FLA):	16,6	/	9,6	A		16,2	A
Amps no-load (NLA):				A			A

Enclosure:	IP55		Cable entries size:	2 x CM32
Mounting:			Winding protection:	NO
Insulation Class:	F		Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	+40	°C	Heater:	NO
Min. ambient temp.:	-20	°C	Shaft extension:	42x110 mm
Max. temp. rise:	80	°C	Weight:	88 kg
Duty type:	S1		Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)		Color:	RAL 5021
Bearing DE	6309	ZZ C3	Box position:	Top DE
Bearing NDE	6307	ZZ C3	Cable entry towards:	Right
Grease:	Esso Unirex N3		Cable type:	N/A
Regreasing facilities:	NO		Balance grade:	Normal

Efficiency class:	IE3		
Load data:	100%	75%	50%
Efficiency:	90	90,3	89,8
Power factor:	0,73	0,65	0,56

Sound pressure (1m):	59 dB(A)
Resistance R20:	1,1 PH

Full load torque (FLT):	73	Nm	Pull out torque ratio:	1,6	MK/MN
Starting torque ratio:	1,7	MA/MN	Pull up torque:	1,3	MS/MN
Starting current ratio:	5,1	IA/IN	Rotor inertia WK2:	0,1	kgm^2

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: