Issue 3, date 31.07.2012

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Cast Iron

Motor type: WP-UDF225MN IE3 4P 45KW

Motor item number:

	50 HZ data				60 HZ data	
Rated power:			45	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):	80	/	46	A		A
Amps no-load (NLA):				A		A

Enclosure:	IP55		Cable entries size:	2 x M40 + 1 x M20
Mounting:			Winding protection:	3xPTC160
Insulation Class:	F		Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	40	°C	Heater:	no
Min. ambient temp.:	-20	°C	Shaft extension:	60x140 mm
Max. temp. rise:	80	°C	Weight:	375 kg
Duty type:	S1		Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)		Color:	RAL 5021 Argus
Bearing DE	6314	C3	Box position:	Top DE
Bearing NDE	6314	C3	Cable entry towards:	Right
Grease:	NSK EA6		Cable type:	EXAR 500 6mm2
Regreasing facilities:	YES		Balance grade:	Normal

Efficiency class:	IE3		
Load data:	100%	75%	50%
Efficiency:	94,2	94,3	93,5
Power factor:	0,86	0,84	0,75

Sound pressure (1m):	67 dB(A)
Resistance R20:	0,12 PH

Full load torque (FLT):	290	Nm	Pull out torque ratio:	3,2	MK/MN
Starting torque ratio:	2,7	MA/MN	Pull up torque:	1,9	MS/MN
Starting current ratio:	7,7	IA/IN	Rotor inertia WK2:	0,5	kgm^2

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: