Issue 3, date 31.07.2012

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Cast Iron

Motor type: WP-UDF355MN IE3 2p 355kW

Motor item number:

	50 HZ data				60 HZ data	
Rated power:			355	kW		kW
Poles(Synch speed):		2p (3000)		r.p.m		r.p.m
Full load speed:			2985	r.p.m		r.p.m
Voltage:	400	/	690	V		V
Frequency:			50	Hz		Hz
Connection:	Δ	/	Y			
Amps full load (FLA):	600	/	348	A		A
Amps no-load (NLA):				A		A

Enclosure:	IP55		Cable entries size:	2 x M63 + 1 x M20
Mounting:			Winding protection:	3x PTC 160 °C
Insulation Class:	F		Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	+40	°C	Heater:	NO
Min. ambient temp.:	-20	°C	Shaft extension:	100x210 mm
Max. temp. rise:	80	°C	Weight:	2300 kg
Duty type:	S1		Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)		Color:	RAL 5021 Argus
Bearing DE			Box position:	Top DE
Bearing NDE			Cable entry towards:	Right
Grease:	NSK EA6		Cable type:	
Regreasing facilities:	YES		Balance grade:	Normal

Efficiency class:	IE3		
Load data:	100%	75%	50%
Efficiency:	95,8	95,8	95
Power factor:	0,89	0,88	0,85

Sound pressure (1m):	80	dB(A)
Resistance R20:	0,006	PH

Full load torque (FLT):	1136	Nm	Pull out torque ratio:	2,7	MK/MN
Starting torque ratio:	2,0	MA/MN	Pull up torque:	1,6	MS/MN
Starting current ratio:	7,5	IA/IN	Rotor inertia WK2:	7	kgm^2

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: