BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Cast Iron

Motor type: WSP-UDF280MN-4 90KW 400/690V IE4

Motor item number:

	50 HZ data				60 HZ data	
Rated power:			90	kW		kW
Poles(Synch speed):			4p (1500)	r.p.m		r.p.m
Full load speed:			1485	r.p.m		r.p.m
Voltage:	400	/	690	V		V
Frequency:			50	Hz		Hz
Connection:	Δ	/	Y			
Amps full load (FLA):	157	/	91	A		A

Enclosure:	IP55			Cable entries size:	2xM62 + 1xM20
Mounting:				Winding protection:	3xPTC160
Insulation Class:	F			Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	40	°C		Heater:	N/A
Min. ambient temp.:	-20	°C		Shaft extension:	80x170 mm
Max. temp. rise:	80	°C		Weight:	800 kg
Duty type:	S1			Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)			Color:	RAL 5021
Bearing DE	6319	C3	FAG	Box position:	Top DE
Bearing NDE	6319	C3	FAG	Cable entry towards:	Right
Grease:	Esso Unirex N3			Cable type:	N/A
Regreasing facilities:	YES			Balance grade:	Normal

Efficiency class:	IE4			
Load data:	100%		Sound pressure (1m):	69 dB(A)
Efficiency:	96,1		Resistance PH R20:	0,035 Ω
Power factor:	0,86			

Full load torque (FLT):	579	Nm	Pull out torque ratio:	2,9	MK/MN
Starting torque ratio:	2,6	MA/MN			
Starting current ratio:	8,4	IA/IN			

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: