BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Cast Iron

Motor type: WP-UDF315MNE IE3 6P 90kW
Motor item number:

	50 HZ data				60 HZ data	
Rated power:		90	kW			kW
Poles(Synch speed):		6p (1000)	r.p.m			r.p.m
Full load speed:		990	r.p.m			r.p.m
Voltage:	400 /	690	V			V
Frequency:		50	Hz			Hz
Connection:	Δ /	Y				
Amps full load (FLA):	165 /	95	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:	80x170 mm
Max. temp. rise:	80 °C	Weight:	1000 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021 Argus
Bearing DE	6319	Box position:	Top DE
Bearing NDE	6319	Cable entry towards:	Right
Grease:	NSK EA6	Cable type:	ZYRAD500 16 mm^2
Regreasing facilities:	YES	Balance grade:	Normal

Efficiency class:	IE3		
Load data:	100%	75%	50%
Efficiency:	94,9	94,9	93,5
Power factor:	0,83	0,77	0,67

Sound pressure (1m):	68 dB(A)
Resistance R20:	0,048 PH

Full load torque (FLT):	869	Nm	Pull out torque ratio:	2,6	MK/MN
Starting torque ratio:	3,0	MA/MN	Pull up torque:	2,1	MS/MN
Starting current ratio:	7,0	IA/IN	Rotor inertia WK2:	6	kgm^2

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: