

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-UDF280MNE IE3 2P 90kW**
Motor item number:

50 HZ data	Rated power:	90	kW	60 HZ data	103	kW
	Poles(Synch speed):	2p (3000)	r.p.m		2p (3600)	r.p.m
	Full load speed:	2960	r.p.m		3555	r.p.m
	Voltage:	400 / 690	V		460	V
	Frequency:	50	Hz		60	Hz
	Connection:	Δ / Y			Δ	
	Amps full load (FLA):	150 / 87	A		150	A
	Amps no-load (NLA):		A			A

Enclosure:	IP55	Cable entries size:	2 x M50 + 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:	65x140 mm
Max. temp. rise:	80 °C	Weight:	660 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 16 mm ²
Regreasing facilities:	YES	Balance grade:	Normal

Efficiency class:	IE3	Sound pressure (1m):	77 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,051 PH
Efficiency:	95,5 95,5 95,3		
Power factor:	0,91 0,88 0,82		

Full load torque (FLT):	290 Nm	Pull out torque ratio:	3,0 MK/MN
Starting torque ratio:	2,2 MA/MN	Pull up torque:	2,0 MS/MN
Starting current ratio:	7,8 IA/IN	Rotor inertia WK2:	0,8 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification:	Temp. Class:
Certificate number:	t _E time: sek

Special remarks: