

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type:

WP-UDF225MN IE3 2P 45kW

Motor item number:

Rated power:	45	kW	52 kW
Poles(Synch speed):	2p (3000)	r.p.m	2p (3600) r.p.m
Full load speed:	2955	r.p.m	3560 r.p.m
Voltage:	400 / 690	V	460 V
Frequency:	50	Hz	60 Hz
Connection:	Δ / Y		Δ
Amps full load (FLA):	77 / 44,5	A	77 A
Amps no-load (NLA):		A	A

Enclosure:	IP55	Cable entries size:	2 x M40 + 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:	55x110 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 6 mm ²
Regreasing facilities:	YES	Balance grade:	Normal

Efficiency class:	IE3
Load data:	100% 75% 50%
Efficiency:	94,3 94,3 93,3
Power factor:	0,90 0,88 0,83

Sound pressure (1m): **75 dB(A)**
Resistance R20: **0,103 PH**

Full load torque (FLT):	145 Nm	Pull out torque ratio:	2,8 MK/MN
Starting torque ratio:	2,3 MA/MN	Pull up torque:	1,9 MS/MN
Starting current ratio:	7,8 IA/IN	Rotor inertia WK2:	0,38 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: