

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-DF100LMF IE3 2P 3,0kW**
Motor item number:

Rated power:	3	kW	3,45	kW
Poles(Synch speed):	2p (3000)	r.p.m	2p (3600)	r.p.m
Full load speed:	2880	r.p.m	3470	r.p.m
Voltage:	230 / 400	V	265 / 460	V
Frequency:	50	Hz	60	Hz
Connection:	Δ / Y		Δ / Y	
Amps full load (FLA):	9,7 / 5,6	A	9,1 / 5,3	A
Amps no-load (NLA):		A		A

Enclosure:	IP55	Cable entries size:	2 x CM20
Mounting:	IM B3 (IM 1001)	Winding protection:	NO
Insulation Class:	F	Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	40 °C	Heater:	NO
Min. ambient temp.:	-20 °C	Shaft extension:	28x60 mm
Max. temp. rise:	80 °C	Weight:	41,8 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6206 ZZ C3	Box position:	Top DE
Bearing NDE	6205 ZZ C3	Cable entry towards:	Right
Grease:	Esso Unirex N3	Cable type:	N/A
Regreasing facilities:	NO	Balance grade:	Normal

Efficiency class:	IE3	Sound pressure (1m):	60 dB(A)
Load data:	100% 75% 50%	Resistance R20:	1,53 PH
Efficiency:	87,1 88,7 88,7		
Power factor:	0,93 0,90 0,84		

Full load torque (FLT):	10 Nm	Pull out torque ratio:	3,3 MK/MN
Starting torque ratio:	3,0 MA/MN	Pull up torque:	2,8 MS/MN
Starting current ratio:	8,2 IA/IN	Rotor inertia WK2:	0,0058 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: