

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-DF180MF IE3 2P 22 kW**
Motor item number:

Rated power:	22	kW	50 HZ data	25,3	kW	60 HZ data
Poles(Synch speed):	2p (3000)	r.p.m		2p (3600)	r.p.m	
Full load speed:	2950	r.p.m			r.p.m	
Voltage:	400 / 690	V		460	V	
Frequency:	50	Hz		60	Hz	
Connection:	Δ / Y			Δ		
Amps full load (FLA):	38,1 / 22,1	A			A	
Amps no-load (NLA):		A			A	

Enclosure:	IP55	Cable entries size:	2 x CM32
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:	48x110 mm
Max. temp. rise:	80 °C	Weight:	162 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6310 ZZ C3	Box position:	Top DE
Bearing NDE	6308 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):	68 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,292 PH
Efficiency:	93,6 93,6 93,1		
Power factor:	0,89 0,85 0,77		

Full load torque (FLT):	71 Nm	Pull out torque ratio:	4,0 MK/MN
Starting torque ratio:	2,4 MA/MN	Pull up torque:	2,1 MS/MN
Starting current ratio:	9,5 IA/IN	Rotor inertia WK2:	0,089 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: