

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-DF180ME IE3 4P 18,5kW**
Motor item number:

Rated power:	18,5	kW			21,3	kW
Poles(Synch speed):	4p (1500)	r.p.m			4p (1800)	r.p.m
Full load speed:	1475	r.p.m			1770	r.p.m
Voltage:	400 / 690	V			460	V
Frequency:	50	Hz			60	Hz
Connection:	Δ / Y				Δ	
Amps full load (FLA):	34,7 / 20,1	A			34,8	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):	62 dB(A)
Load data:	100%	75%	50%		Resistance R20:	0,415 PH
Efficiency:	92,6	92,8	92			
Power factor:	0,83	0,74	0,60			

Full load torque (FLT):	120	Nm			Pull out torque ratio:	3,0	MK/MN
Starting torque ratio:	2,8	MA/MN			Pull up torque:	2,0	MS/MN
Starting current ratio:	8,4	IA/IN			Rotor inertia WK2:	0,16	kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: