

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-DF180LM IE3 6p 15,0kW**
Motor item number:

Rated power:	15	kW	50 HZ data	1,73	kW	60 HZ data
Poles(Synch speed):	6p (1000)	r.p.m		6p (1200)	r.p.m	
Full load speed:	980	r.p.m		1175	r.p.m	
Voltage:	400 / 690	V		460	V	
Frequency:	50	Hz		60	Hz	
Connection:	Δ / Y			Δ		
Amps full load (FLA):	30,4 / 17,6	A		30,3	A	
Amps no-load (NLA):		A			A	

Enclosure:	IP55	Cable entries size:	2 x M32
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.:	°C	Shaft extension:	48x110 mm
Max. temp. rise:	80 °C	Weight:	177,5 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE		Box position:	Top DE
Bearing NDE		Cable entry towards:	Right
Grease:	Esso Unirex N3	Cable type:	N/A
Regreasing facilities:	NO	Balance grade:	Normal

Efficiency class:	IE3	Sound pressure (1m):	59 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,59 PH
Efficiency:	91,2 91,5 90,5		
Power factor:	0,78 0,72 0,61		

Full load torque (FLT):	146 Nm	Pull out torque ratio:	2,4 MK/MN
Starting torque ratio:	2,0 MA/MN	Pull up torque:	1,5 MS/MN
Starting current ratio:	6,0 IA/IN	Rotor inertia WK2:	0,24 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: