

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-DF90LMX IE3 2P 1.5kW**
Motor item number:

Rated power:	1,5	kW				1,73	kW
Poles(Synch speed):	2p (3000)	r.p.m				2p (3600)	r.p.m
Full load speed:	2880	r.p.m				3480	r.p.m
Voltage:	230 / 400	V				265 / 460	V
Frequency:	50	Hz				60	Hz
Connection:	Δ / Y					Δ / Y	
Amps full load (FLA):	5,25 / 3	A				5,1 / 2,9	A
Amps no-load (NLA):		A					A

Enclosure:	IP55					Cable entries size:	1 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:	24x50 mm
Max. temp. rise:	80	°C				Weight:	30,5 kg
Duty type:	S1					Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)					Color:	RAL 5021
Bearing DE	6205 ZZ C3					Box position:	Top DE
Bearing NDE	6203 ZZ CM					Cable entry towards:	Right
Grease:	Esso Unirex N3					Cable type:	N/A
Regreasing facilities:	NO					Balance grade:	Normal

Efficiency class:	IE3					Sound pressure (1m):	66 dB(A)
Load data:	100%	75%	50%			Resistance R20:	3,23 PH
Efficiency:	84,2	84,5	82				
Power factor:	0,86	0,81	0,70				

Full load torque (FLT):	5	Nm				Pull out torque ratio:	3,6	MK/MN
Starting torque ratio:	3,4	MA/MN				Pull up torque:	2,8	MS/MN
Starting current ratio:	8,2	IA/IN				Rotor inertia WK2:	0,0014	kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: