

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

www.tamel.pl

Produced by **Tamel S.A.** a company of



Motor type: **WP-DF90LMX 2P 1,5kW B3**
Motor item number: **090W225241**

50 HZ data	Rated power:	1,5 kW	60 HZ data	Rated power:	1,75 kW
	Poles(Synch speed):	2p (3000) r.p.m		Poles(Synch speed):	2p (3600) r.p.m
	Full load speed:	2850 r.p.m		Full load speed:	3420 r.p.m
	Voltage:	220-240 / 380-415 V		Voltage:	254-277 / 440-480 V
	Frequency:	50 Hz		Frequency:	60 Hz
	Connection:	Δ / Y		Connection:	Δ / Y
	Amps full load (FLA):	5,2-5,0 / 3,0-2,86 A		Amps full load (FLA):	5,2-5,0 / 3,0-2,86 A
	Amps no-load (NLA):	1,65 / 0,95 A		Amps no-load (NLA):	

Enclosure:	IP55	Cable entries size:	1x20MM
Mounting:	IM B3 (IM 1001)	Winding protection:	
Insulation Class:	F /	Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	+40 °C	Heater:	no
Min. ambient temp.:	-20 °C	Shaft extension:	25x50 mm
Max. temp. rise:	80 K	Weight:	31 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6205 ZZ CM	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:	EFF1
Load data:	100% 75% 50%
Efficiency:	84,1 85,8 85,7
Power factor:	0,90 0,87 0,79

Sound pressure (1m): **64 dB(A)**
Resistance R20: **4,07 PH**

Full load torque (FLT):	5,0 Nm	Pull out torque ratio:	3,1 MK/MN
Starting torque ratio:	2,7 MA/MN	Pull up torque:	2,4 MS/MN
Starting current ratio:	7,0 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: