

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Cast Iron flameproof

www.tamel.pl

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



Motor type: **W-EF90LM 2P 2,2kW Ex d**
Motor item number:

50 HZ data	Rated power:	2,2 kW	60 HZ data	2,53 kW
	Poles(Synch speed):	2p (3000) r.p.m		2p (3600) r.p.m
	Full load speed:	2860 r.p.m		3435 r.p.m
	Voltage:	220-240 / 380-415 V		254-277 / 440-480 V
	Frequency:	50 Hz		60 Hz
	Connection:	Δ / Y		Δ / Y
	Amps full load (FLA):	8,1-7,7 / 4,7-4,5 A		8,1-7,7 / 4,7-4,5 A
	Amps no-load (NLA):	1,85 A		

Enclosure:	IP55	Cable entries size:	1xCM20
Mounting:		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:	24x50 mm
Max. temp. rise:	80 K	Weight:	34 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6205 ZZ C3	Box position:	Right Center
Bearing NDE	6205 ZZ C3	Cable entry towards:	NDE
Grease:	Esso Unirex N3	Cable type:	N/A
Regreasing facilities:	NO	Balance grade:	Normal

Efficiency class:		Sound pressure (1m):	68 dB(A)
Load data:	100% 75% 50%	Resistance R20:	2,86 PH
Efficiency:	81 81 77		
Power factor:	0,87 0,83 0,74		

Full load torque (FLT):	7,35 Nm	Pull out torque ratio:	3,3 MK/MN
Starting torque ratio:	3,0 MA/MN	Pull up torque:	2,6 MS/MN
Starting current ratio:	7,5 IA/IN	Rotor inertia WK2:	0,0028 kgm ²

Special remarks:
PTC 150 °C

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification: Ex db eb IIB	Temp. Class: T4
Certificate number: Baseefa02ATEX0014X	t _E time: sek

Special remarks:
