

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-EF180ML 2P 22,0kW Ex d**

Motor item number:

50 HZ data	Rated power:	22 kW	60 HZ data	25,3 kW
	Poles(Synch speed):	2p (3000) r.p.m		2p (3600) r.p.m
	Full load speed:	2945 r.p.m		3530 r.p.m
	Voltage:	380-415 / 660-720 V		440-480 V
	Frequency:	50 Hz		60 Hz
	Connection:	Δ / Y		Y / Δ
	Amps full load (FLA):	39,0-37,0 / 3,4-3,2 A		39,0-37,0 A
	Amps no-load (NLA):	8,4 / 1,4 A		

Enclosure:	IP55	Cable entries size:	1x32MM
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:	48x110 mm
Max. temp. rise:	80 K	Weight:	223 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6310 ZZ C3	Box position:	Right Center
Bearing NDE	6309 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):	72 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,336 PH
Efficiency:	91,5 91 89		
Power factor:	0,92 0,91 0,88		

Full load torque (FLT):	71,34 Nm	Pull out torque ratio:	2,7 MK/MN
Starting torque ratio:	2,4 MA/MN	Pull up torque:	2,2 MS/MN
Starting current ratio:	7,5 IA/IN	Rotor inertia WK2:	0,111 kgm ²

Special remarks:
PTC 150 °C

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification: Ex db eb IIB	Temp. Class: T4
Certificate number: Baseefa02ATEX0024X	t _E time: sek

Special remarks:
