

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-EF225SN 4P 37,0kW Ex d**

Motor item number:

50 HZ data	Rated power:	37 kW	60 HZ data	42,5 kW
	Poles(Synch speed):	4p (1500) r.p.m		4p (1800) r.p.m
	Full load speed:	1470 r.p.m		1770 r.p.m
	Voltage:	380-415 V		440-480 V
	Frequency:	50 Hz		60 Hz
	Connection:	Δ		Δ
	Amps full load (FLA):	69,0-64,0 A		69,0-64,0 A
	Amps no-load (NLA):	18 A		

Enclosure:	IP55	Cable entries size:	1xCM40 + 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:	60x140 mm
Max. temp. rise:	80 K	Weight:	370 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6313 C3	Box position:	Top DE
Bearing NDE	6313 C3	Cable entry towards:	Right
Grease:	Esso Unirex N3	Cable type:	N/A
Regreasing facilities:	YES	Balance grade:	Reduced

Efficiency class:		Sound pressure (1m):	66 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,2 PH
Efficiency:	93,6 93,6 92,5		
Power factor:	0,87 0,85 0,77		

Full load torque (FLT):	240 Nm	Pull out torque ratio:	3,2 MK/MN
Starting torque ratio:	2,3 MA/MN	Pull up torque:	1,9 MS/MN
Starting current ratio:	7,3 IA/IN	Rotor inertia WK2:	0,53 kgm ²

Special remarks:
PTC 150 °C

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification: Ex db eb IIB	Temp. Class: T4
Certificate number: BAS02ATEX2112X	t _E time: sek

Special remarks:
