

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-EF200LN 2P 30,0kW Ex d**

Motor item number:

50 HZ data	Rated power:	30 kW	60 HZ data	Rated power:	35 kW
	Poles(Synch speed):	2p (3000) r.p.m		Poles(Synch speed):	2p (3600) r.p.m
	Full load speed:	2940 r.p.m		Full load speed:	3540 r.p.m
	Voltage:	380-415 / 690-720 V		Voltage:	440-480 V
	Frequency:	50 Hz		Frequency:	60 Hz
	Connection:	Δ / Y		Connection:	Δ
	Amps full load (FLA):	55,0-51,0 / 32,0-29,0 A		Amps full load (FLA):	56,0-51,0 A
	Amps no-load (NLA):	14 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:	55x110 mm
Max. temp. rise:	80 K	Weight:	325 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:			
Load data:	100%	75%	50%
Efficiency:	92,9	93	92
Power factor:	0,89	0,86	0,80

Sound pressure (1m): **73 dB(A)**
Resistance R20: **0,176 PH**

Full load torque (FLT):	97 Nm	Pull out torque ratio:	2,9 MK/MN
Starting torque ratio:	2,4 MA/MN	Pull up torque:	2,1 MS/MN
Starting current ratio:	7,5 IA/IN	Rotor inertia WK2:	0,23 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: