

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-EF280SNE 6P 45,0kW Ex d**

Motor item number:

Rated power:	45 kW	60 HZ data	kW
Poles(Synch speed):	6p (1000) r.p.m		r.p.m
Full load speed:	985 r.p.m		r.p.m
Voltage:	380-415 V		V
Frequency:	50 Hz		Hz
Connection:	Δ / Y		
Amps full load (FLA):	88,0-81,0 A		A
Amps no-load (NLA):	27 A		

Enclosure:	IP55	Cable entries size:	1xCM50 + 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:	75x140 mm
Max. temp. rise:	80 K	Weight:	494 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6318 C3	Box position:	Top DE
Bearing NDE	6318 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:	93,4	93,3	92,3
Power factor:	0,83	0,79	0,71

Sound pressure (1m): **65 dB(A)**
Resistance R20: **0,122 PH**

Full load torque (FLT):	436 Nm	Pull out torque ratio:	2,0 MK/MN
Starting torque ratio:	2,5 MA/MN	Pull up torque:	1,8 MS/MN
Starting current ratio:	6,0 IA/IN	Rotor inertia WK2:	2,55 kgm ²

Special remarks:

PTC 150 °C

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification: Ex db eb IIB	Temp. Class: T4
Certificate number: BAS02ATEX2118X	t _E time: sek

Special remarks: