

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-UEF280MNE 4P 90.00kW Ex d**
Motor item number:

50 HZ data	Rated power:	90 kW	60 HZ data		kW
	Poles(Synch speed):	4p (1500) r.p.m			r.p.m
	Full load speed:	1475 r.p.m			r.p.m
	Voltage:	380-415 V			V
	Frequency:	50 Hz			Hz
	Connection:	Y / Δ			
	Amps full load (FLA):	165.00-151.00 A			A
	Amps no-load (NLA):	58.00 A			

Enclosure:	IP55	Cable entries size:	2 x CM50 + 1 x CM20
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:	821 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:		Sound pressure (1m):	69 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,048 PH
Efficiency:	95,2 95,1 93,8		
Power factor:	0,87 0,85 0,75		

Full load torque (FLT):	583 Nm	Pull out torque ratio:	2,8 MK/MN
Starting torque ratio:	2,5 MA/MN	Pull up torque:	2,0 MS/MN
Starting current ratio:	7,4 IA/IN	Rotor inertia WK2:	1,6 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:
