

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

a company of



Motor type: **W-DF280SN IE2 4P 90kW B3**
Motor item number:

Rated power:	90 kW			60 HZ data	kW
Poles(Synch speed):	4p (1500) r.p.m			50 HZ data	r.p.m
Full load speed:	1480 r.p.m			60 HZ data	r.p.m
Voltage:	400	/	690 V	50 HZ data	V
Frequency:	50 Hz			60 HZ data	Hz
Connection:	Δ	/	Y	50 HZ data	A
Amps full load (FLA):	162	/	94 A	60 HZ data	A
Amps no-load (NLA):	A			60 HZ data	A

Enclosure:	IP55	Cable entries size:	2xCM50+1xCM20
Mounting:	IM B3 (IM 1001)	Winding protection:	3xPT160
Insulation Class:	F	Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	+40 °C	Heater:	no
Min. ambient temp.:	-20 °C	Shaft extension:	80x170 mm
Max. temp. rise:	80 K	Weight:	660 kg
Duty type:	S1	Painting:	Argus
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6318 C3	Box position:	Top DE
Bearing NDE	6318 C3	Cable entry towards:	Right
Grease:	Lithium or Polyurea Base	Cable type:	N/A
Regreasing facilities:	YES	Balance grade:	Normal

Efficiency class:	IE2	Sound pressure (1m):	69 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,045 PH
Efficiency:	94,2 95,2 94,6		
Power factor:	0,85 0,82 0,73		

Full load torque (FLT):	580,7 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:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification:	Temp. Class:
Certificate number:	t _E time: sek

Special remarks: