

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

a company of



Motor type: **W-DF280SN IE2 2P 90kW B3**
Motor item number: **280W941207**

Rated power:	90 kW				kW
Poles(Synch speed):	2p (3000) r.p.m				r.p.m
Full load speed:	2960 r.p.m				r.p.m
Voltage:	400	/	690	V	V
Frequency:	50 Hz				Hz
Connection:	Δ	/	Y		
Amps full load (FLA):	152	/	88	A	A
Amps no-load (NLA):					A

Enclosure:	IP55		Cable entries size:		
Mounting:	IM B3 (IM 1001)		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:	65x140	mm
Max. temp. rise:	80	K	Weight:	660	kg
Duty type:	S1		Painting:	Argus	
Cooling form:	IC411 (TEFC)		Color:	RAL 5021	
Bearing DE	6314	C3	Box position:	Top DE	
Bearing NDE	6314	C3	Cable entry towards:	Right	
Grease:	Lithium or Polyurea Base		Cable type:	N/A	
Regreasing facilities:	YES		Balance grade:	Reduced	

Efficiency class:	IE2			Sound pressure (1m):	77 dB(A)
Load data:	100%	75%	50%	Resistance R20:	0,05 PH
Efficiency:	94,1	95,2	94,7		
Power factor:	0,91	0,89	0,83		

Full load torque (FLT):	290,4	Nm	Pull out torque ratio:	3,0	MK/MN
Starting torque ratio:	2,2	MA/MN	Pull up torque:	2,0	MS/MN
Starting current ratio:	7,8	IA/IN	Rotor inertia WK2:	0,8	kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: