

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

a company of



Motor type: **W-DF250MN IE2 45kW 6P B3**
Motor item number:

Rated power:	45 kW			60 HZ data	kW
Poles(Synch speed):	6p (1000) r.p.m			50 HZ data	r.p.m
Full load speed:	985 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):	84	/	49 A	60 HZ data	A
Amps no-load (NLA):	A				

Enclosure:	IP55		Cable entries size:	
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:	70x140 mm
Max. temp. rise:	80	K	Weight:	570 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):	65 dB(A)
Load data:	100%	75%	50%	Resistance R20:	0,117 PH
Efficiency:	92,7	93,4	92,8		
Power factor:	0,83	0,82	0,80		

Full load torque (FLT):	436,3	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:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: