

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

a company of



Motor type: **W-DF355SJ IE2 2P 250kW B3**
Motor item number:

Rated power:	250 kW		60 HZ data	kW
Poles(Synch speed):	2p (3000) r.p.m		50 HZ data	r.p.m
Full load speed:	2980 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	
Amps full load (FLA):	427 / 247	A	60 HZ data	A
Amps no-load (NLA):	A			

Enclosure:	IP55	Cable entries size:	3xPT160
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:	75x140 mm
Max. temp. rise:	80 K	Weight:	2000 kg
Duty type:	S1	Painting:	Argus
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	N316 C3	Box position:	Top DE
Bearing NDE	6316 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):	80 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,0076 PH
Efficiency:	95 95,6 94,6		
Power factor:	0,89 0,87 0,81		

Full load torque (FLT):	801,2 Nm	Pull out torque ratio:	2,7 MK/MN
Starting torque ratio:	2,0 MA/MN	Pull up torque:	1,6 MS/MN
Starting current ratio:	7,5 IA/IN	Rotor inertia WK2:	5,3 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: