

BROOK CROMPTON

TECHINICAL DATA SHEET Three-phase asynchronous motor

Order	
Customer	
Type	BU-DF 355 XB4
Area	Safe Area
Manufacturer	BROOK CROMPTON
Reference Standards	IEC 60034
Environment conditions	-20°C to +40°C Up to 1000 m above sea level
Duty	S1
Rated output (KW)	400
Rated voltage (V)	400-690
Rated current (A)	680 / 393
Frequency (Hz)	50
Winding connection	Δ/Y
Frame material	Cast Iron
Rated speed (Rpm)	1485
Direction of rotation	BIDIRECTIONAL
Degree of protection	IP55
Mechanical arrangement	IMB3
Ball bearing DE	6322 -C3
Ball bearing NDE	6322 -C3
Lubrication	Through greasing ESSO UNIREX N3
Insulation class	F
Temperature rise	B
Cooling method	IC411
*Efficiency (%)4/4 load	96,4
*Power factor (-)4/4 load	0,88
*Rated torque (Nm)	2572
*Starting torque (pu)	2,3
*Starting current (pu)	6,6
Ambient temperature (°C)	40
Temperature rise (K)	80
Rotor Inertia (kgm ²)	10,6
Net Weight (kg)	2300
*Sound pressure level at 1m on no load dB(A)	82
Protection in windings	3 x PTCs 150°C

*) Values are subjected to Standards tolerances Note performance tolerance are in accordance with IEC 34.1 The Value of Starting Current is with tolerances included