BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Cast Iron

Motor type: WP-UDF355MJ IE3 2P 315kW

Motor item number:

	50 HZ data				60 HZ data	
Rated power:		315	kW			kW
Poles(Synch speed):		2p (3000)	r.p.m			r.p.m
Full load speed:		2980	r.p.m			r.p.m
Voltage:	400 /	690	V			V
Frequency:		50	Hz			Hz
Connection:	Δ /	Y				
Amps full load (FLA):	527 /	306	A			A
Amps no-load (NLA):			A			A

Enclosure:	IP55		Cable entries size:	2 x M63 + 1 x M20
Mounting:			Winding protection:	3x PTC 160 °C
Insulation Class:	F		Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	+40	°C	Heater:	NO
Min. ambient temp.:	-20	°C	Shaft extension:	75x185 mm
Max. temp. rise:	80	°C	Weight:	2200 kg
Duty type:	S1		Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)		Color:	RAL 5021 Argus
Bearing DE	N316	C3	Box position:	Top DE
Bearing NDE	6316	C3	Cable entry towards:	Right
Grease:	NSK EA6		Cable type:	ZYRAD500 35 mm^2
Regreasing facilities:	YES		Balance grade:	Normal

Efficiency class:	IE3		
Load data:	100%	75%	50%
Efficiency:	95,8	95,8	95
Power factor:	0,89	0,88	0,85

Sound pressure (1m):	80 dB(A)
Resistance R20:	0,0073 PH

Full load torque (FLT):	1010	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:	6,3	kgm^2

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification:	Temp. Class:
	t_E time: sek
Certificate number:	

Special remarks: