

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-UDF355LN IE3 6P 315kW**
Motor item number:

Rated power:	315	kW			360	kW
Poles(Synch speed):	6p (1000)	r.p.m			6p (1200)	r.p.m
Full load speed:	990	r.p.m				r.p.m
Voltage:	400 / 690	V			460	V
Frequency:	50	Hz			60	Hz
Connection:	Δ / Y				Δ	
Amps full load (FLA):	552 / 320	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:	mm
Max. temp. rise:	80	°C			Weight:	2500 kg
Duty type:	S1				Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)				Color:	RAL 5021 Argus
Bearing DE	N324				Box position:	Top DE
Bearing NDE	6324				Cable entry towards:	Right
Grease:	NSK EA6				Cable type:	ZYRAD500 35 mm^2
Regreasing facilities:	YES				Balance grade:	Normal

Efficiency class:	IE3				Sound pressure (1m):	77 dB(A)
Load data:	100%	75%	50%		Resistance R20:	0,0086 PH
Efficiency:	95,8	95,9	95,5			
Power factor:	0,86	0,84	0,77			

Full load torque (FLT):	3040	Nm			Pull out torque ratio:	2,1	MK/MN
Starting torque ratio:	1,8	MA/MN			Pull up torque:	1,5	MS/MN
Starting current ratio:	7,0	IA/IN			Rotor inertia WK2:	18,6	kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: