

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

a company of



Motor type: **W-DF280MN IE2 6P 75kW B3**
Motor item number:

Rated power:		75 kW								kW
Poles(Synch speed):		6p (1000)								r.p.m
Full load speed:		990								r.p.m
Voltage:	50 HZ data	400	/	690						V
Frequency:				50						Hz
Connection:		Δ	/	Y						
Amps full load (FLA):		139	/	81						A
Amps no-load (NLA):										A
									60 HZ data	

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:	80x170	mm				
Max. temp. rise:	80	K		Weight:	800	kg				
Duty type:	S1			Painting:	Argus					
Cooling form:	IC411 (TEFC)			Color:	RAL 5021					
Bearing DE	6319	C3		Box position:	Top DE					
Bearing NDE	6319	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):	68 dB(A)
Load data:	100%	75%	50%	Resistance R20:	0,067 PH
Efficiency:	93,7	94,4	93,3		
Power factor:	0,83	0,79	0,70		

Full load torque (FLT):	723,5	Nm	Pull out torque ratio:	2,6	MK/MN
Starting torque ratio:	3,0	MA/MN	Pull up torque:	2,1	MS/MN
Starting current ratio:	7,0	IA/IN	Rotor inertia WK2:	5	kgm²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: