

Technical Data Sheet
Electric Motor Three phase in Aluminum IE1



L (standard motor)

278

L (motor w/brake)

345

L (motor w/forced ventilation)

390

L (motor without ventilation)

247

Feet					Shaft						Carcass				Flange				
H	A	B	C	K	D	E	F	G	GA	X	AB	BB	AC	HD	M	N	P	S	T
80	125	100	50	10	19j6	40	6	15.5	21.5	M6x16	160	130	165	217	-	-	-	-	-

Electrical Data

Type	BF31/UMA* 80M1-4	
Poles	4/1500	Poles
Power	0.55	Kw
Voltage	400	V
Frequency	50	Hz
Speed	1400	rpm
Nominal current	1.49	A
Power factor	0.73	
Efficiency 100%	73.5	%
Efficiency 75%	-	%
Efficiency 50%	-	%
Torque	3.75	N.m
Ta/Tn	2.4	
Ia/In	6.0	
Tm/Tn	2.4	

Mechanical Data

Shaft height	80
Construction form	B3
Mechanical protection	55
Heating class	B
Insulation class	F
Service	S3-70%
Ambient temp.	-10°C-40°C
Altitude	1000
Noise	58 dB(A)
Weight	9.5 kg
Bearing DE	6204 2Z C3
Bearing NDE	6204 2Z C3

Extra Data

Applicable brakes

DC brake	REB-05-08	Brake torque	8	N.m
AC brake	AC3	Brake torque	15	N.m

Applicable forced ventilations

Single-phase forced ventilation	Power	45	W
Three-phase forced ventilation	Power	45	W