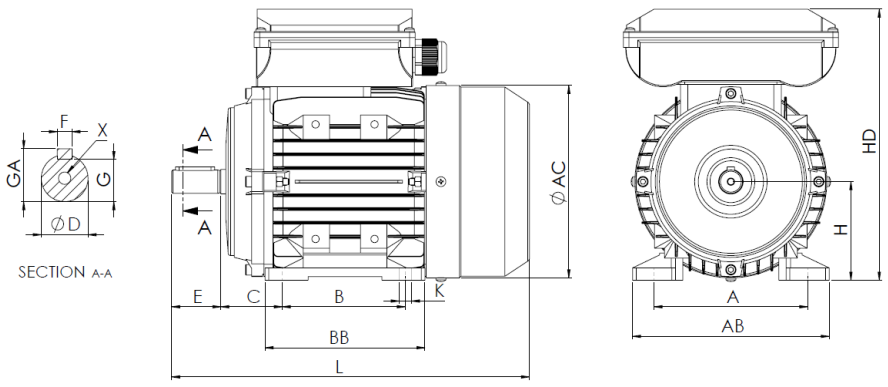
Technical Data Sheet
Electric Motor 1 phase in Aluminum IE1



L (standard motor)
337

L (motor w/brake)
396

L (motor w/forced ventilation)
442

L (motor without ventilation)
291

Feet					Shaft						Carcass				Flange				
H	A	B	C	K	D	E	F	G	GA	X	AB	BB	AC	HD	M	N	P	S	T
90	140	100	56	10	24j6	50	8	20	27	M8x19	175	130	175	240	-	-	-	-	-

Electrical Data

Type	BF31D 90S-2	
Poles	2/3000	Poles
Power	1.50	Kw
Voltage	230	V
Frequency	50	Hz
Speed	2810	rpm
Nominal current	9.48	A
Power factor	0.93	
Efficiency 100%	74.0	%
Efficiency 75%	-	%
Efficiency 50%	-	%
Torque	5.1	N.m
Ta/Tn	2.5	
Ia/In	5.8	
Tm/Tn	1.8	

Mechanical Data

Shaft height	90	
Construction form	B3	
Mechanical protection	55	
Heating class	B	
Insulation class	F	
Service	S3-70%	
Ambient temp.	-10ºC-40ºC	
Altitude	1000	
Noise	-	dB(A)
Weight	16.3	kg
Bearing DE	6205 2Z C3	
Bearing NDE	6205 2Z C3	

Extra Data

Applicable brakes

DC brake	REB-05-10	Brake torque	16	N.m
AC brake	NA	Brake torque	NA	N.m

Applicable forced ventilations

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

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