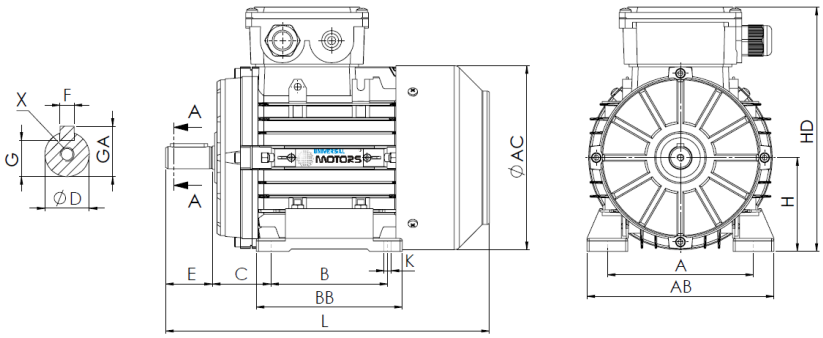
Technical Data Sheet
Electric Motor Three phase in Aluminum IE3



L (standard motor)
500

L (motor w/brake)
590

L (motor w/forced ventilation)
620

L (motor without ventilation)
438

Feet					Shaft						Carcass				Flange				
H	A	B	C	K	D	E	F	G	GA	X	AB	BB	AC	HD	M	N	P	S	T
132	216	178	89	12	38k6	80	10	33	41	M12x18	265	230	259	318	-	-	-	-	-

Electrical Data

Type	UM3A 132M2-6	
Poles	6/1000	Poles
Power	5.50	Kw
Voltage	400	V
Frequency	50	Hz
Speed	975	rpm
Nominal current	12.70	A
Power factor	0.71	
Efficiency 100%	88.0	%
Efficiency 75%	88.3	%
Efficiency 50%	87.1	%
Torque	53.9	N.m
Ta/Tn	2.9	
Ia/In	7.4	
Tm/Tn	3.5	

Mechanical Data

Shaft height	132	
Construction form	B3	
Mechanical protection	55	
Heating class	B	
Insulation class	F	
Service	S1	
Ambient temp.	-10ºC-40ºC	
Altitude	1000	
Noise	68	dB(A)
Weight	55.7	kg
Bearing DE	6308 ZZ C3	
Bearing NDE	6208 ZZ C3	

Extra Data

Applicable brakes

DC brake	REB-05-16	Brake torque	80	N.m
AC brake	AC7	Brake torque	90	N.m

Applicable forced ventilations

Single-phase forced ventilation	Power	55	W
Three-phase forced ventilation	Power	55	W

Universal Motors S.A.
Rua Comendador Brandão, 484
4495-375 Póvoa de Varzim
geral@universalmotors.pt
TEL.: 252 299 080

Universal Motors UK, Ltd
Unit E2, Meltham Mills Road
West Yorkshire HD9 4AR
enquiries@universalmotors-group.co.uk
TEL.: +44(0) 1484660222

Universal Motors SL
C/La Habana n.6 nave 4 Pl Camporroso
28806 Alcala de Henares
info@universalmotors-group.es
TEL.: 918 864 213