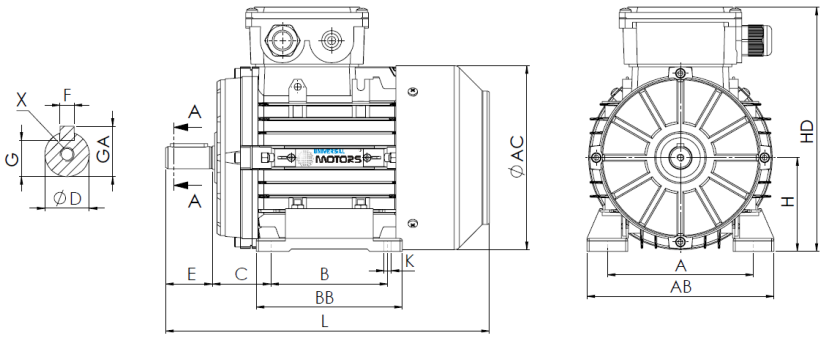
Technical Data Sheet
Electric Motor Three phase in Aluminum IE3



L (standard motor)
315

L (motor w/brake)
355

L (motor w/forced ventilation)
417

L (motor without ventilation)
265

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	180	132	176	245	-	-	-	-	-

Electrical Data

Type	UM3A 90S-2	
Poles	2/3000	Poles
Power	1.50	Kw
Voltage	400	V
Frequency	50	Hz
Speed	2900	rpm
Nominal current	3.14	A
Power factor	0.82	
Efficiency 100%	84.2	%
Efficiency 75%	83.8	%
Efficiency 50%	81.4	%
Torque	4.94	N.m
Ta/Tn	3.7	
Ia/In	8.3	
Tm/Tn	3.7	

Mechanical Data

Shaft height	90	
Construction form	B3	
Mechanical protection	55	
Heating class	B	
Insulation class	F	
Service	S1	
Ambient temp.	-10ºC-40ºC	
Altitude	1000	
Noise	72	dB(A)
Weight	14	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	AC4	Brake torque	20	N.m

Applicable forced ventilations

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

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