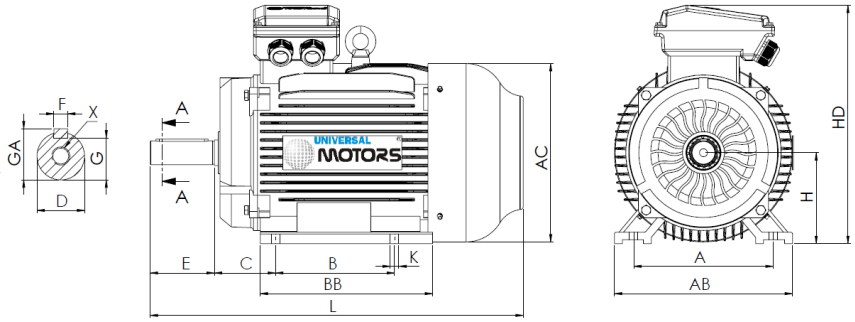
Technical Data Sheet
Electric Motor Three phase in Cast Iron IE1



L (standard motor)
1235

L (motor w/brake)
NA

L (motor w/forced ventilation)
1415

L (motor without ventilation)
1060

Feet					Shaft						Carcass				Flange				
H	A	B	C	K	D	E	F	G	GA	X	AB	BB	AC	HD	M	N	P	S	T
315	508	406	216	28	80m6	170	22	71	85	M20x42	635	565	620	845	-	-	-	-	-

Electrical Data

Type	EM30 315S-4	
Poles	4/1500	Poles
Power	110.00	Kw
Voltage	400	V
Frequency	50	Hz
Speed	1480	rpm
Nominal current	191.00	A
Power factor	0.88	
Efficiency 100%	94.5	%
Efficiency 75%	-	%
Efficiency 50%	-	%
Torque	709.75	N.m
Ta/Tn	2.1	
Ia/In	6.9	
Tm/Tn	2.2	

Mechanical Data

Shaft height	315	
Construction form	B3	
Mechanical protection	55	
Heating class	B	
Insulation class	F	
Service	S3-70%	
Ambient temp.	-10ºC-40ºC	
Altitude	1000	
Noise	93	dB(A)
Weight	846	kg
Bearing DE	NU 319	
Bearing NDE	6319 C3	

Extra Data

Applicable brakes

DC brake	NA	Brake torque	NA	N.m
AC brake	NA	Brake torque	NA	N.m

Applicable forced ventilations

Single-phase forced ventilation	Power	NA	W
Three-phase forced ventilation	Power	450	W

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