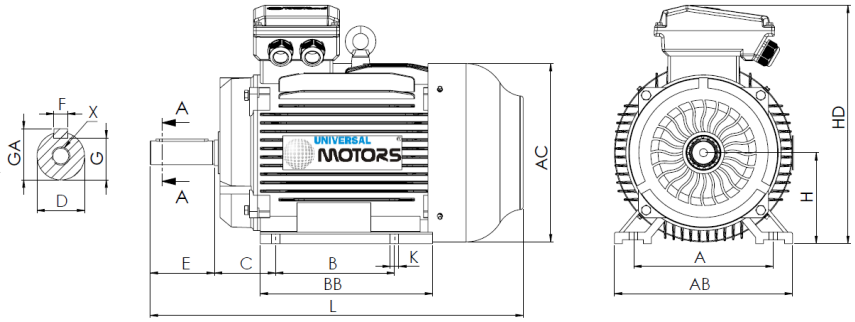
Technical Data Sheet
Electric Motor Three phase in Cast Iron IE1



L (standard motor)
645

L (motor w/brake)
NA

L (motor w/forced ventilation)
765

L (motor without ventilation)
555

Feet					Shaft						Carcass				Flange				
H	A	B	C	K	D	E	F	G	GA	X	AB	BB	AC	HD	M	N	P	S	T
160	254	210	108	15	42k6	110	12	37	45	M16x36	320	258	315	420	-	-	-	-	-

Electrical Data

Type	EM30 160M1-2	
Poles	2/3000	Poles
Power	11.00	Kw
Voltage	400	V
Frequency	50	Hz
Speed	2930	rpm
Nominal current	20.20	A
Power factor	0.89	
Efficiency 100%	88.4	%
Efficiency 75%	-	%
Efficiency 50%	-	%
Torque	35.85	N.m
Ta/Tn	2.2	
Ia/In	7.5	
Tm/Tn	2.3	

Mechanical Data

Shaft height	160	
Construction form	B3	
Mechanical protection	55	
Heating class	B	
Insulation class	F	
Service	S3-70%	
Ambient temp.	-10ºC-40ºC	
Altitude	1000	
Noise	86	dB(A)
Weight	107	kg
Bearing DE	6309 C3	
Bearing NDE	6309 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	60	W

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