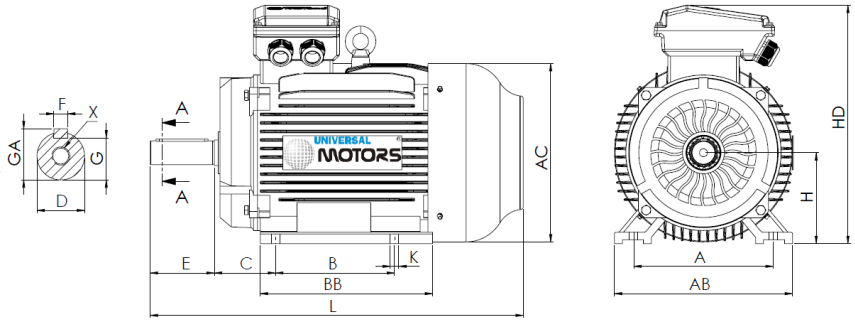
Technical Data Sheet
Electric Motor Three phase in Cast Iron IE1



L (standard motor)
755

L (motor w/brake)
910

L (motor w/forced ventilation)
840

L (motor without ventilation)
660

Feet					Shaft						Carcass				Flange				
H	A	B	C	K	D	E	F	G	GA	X	AB	BB	AC	HD	M	N	P	S	T
180	279	279	121	15	48k6	110	14	42.5	51.5	M16x36	355	350	355	455	-	-	-	-	-

Electrical Data

Type	EM30 180L-4	
Poles	4/1500	Poles
Power	22.00	Kw
Voltage	400	V
Frequency	50	Hz
Speed	1470	rpm
Nominal current	40.80	A
Power factor	0.86	
Efficiency 100%	90.5	%
Efficiency 75%	-	%
Efficiency 50%	-	%
Torque	142.91	N.m
Ta/Tn	2.2	
Ia/In	7.5	
Tm/Tn	2.3	

Mechanical Data

Shaft height	180	
Construction form	B3	
Mechanical protection	55	
Heating class	B	
Insulation class	F	
Service	S3-70%	
Ambient temp.	-10ºC-40ºC	
Altitude	1000	
Noise	76	dB(A)
Weight	166	kg
Bearing DE	6311 C3	
Bearing NDE	6311 C3	

Extra Data

Applicable brakes

DC brake	K8D	Brake torque	400	N.m
AC brake	AC8D	Brake torque	400	N.m

Applicable forced ventilations

Single-phase forced ventilation	Power	NA	W
Three-phase forced ventilation	Power	85	W

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