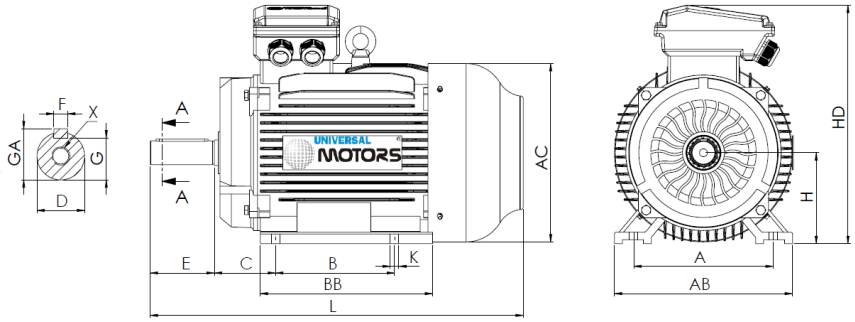
Technical Data Sheet
Electric Motor Three phase in Cast Iron IE1



L (standard motor)
1030

L (motor w/brake)
1240

L (motor w/forced ventilation)
1185

L (motor without ventilation)
910

Feet					Shaft						Carcass				Flange				
H	A	B	C	K	D	E	F	G	GA	X	AB	BB	AC	HD	M	N	P	S	T
280	457	368	190	14	75m6	140	20	67.5	79.5	M20x42	550	485	547	680	-	-	-	-	-

Electrical Data

Type	EM30 280S-8	
Poles	8/750	Poles
Power	37.00	Kw
Voltage	400	V
Frequency	50	Hz
Speed	740	rpm
Nominal current	73.90	A
Power factor	0.79	
Efficiency 100%	91.5	%
Efficiency 75%	-	%
Efficiency 50%	-	%
Torque	477.46	N.m
Ta/Tn	1.9	
Ia/In	6.6	
Tm/Tn	2	

Mechanical Data

Shaft height	280	
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	488	kg
Bearing DE	6317 C3	
Bearing NDE	6317 C3	

Extra Data

Applicable brakes

DC brake	K10D	Brake torque	1000/1500	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	270	W

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