

Technical Data Sheet
Electric Motor Three phase in Aluminum IE3



L (standard motor)

636

L (motor w/brake)

NA

L (motor w/forced ventilation)

755

L (motor without ventilation)

577

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	254	108	15	42k6	110	12	37	45	M16x36	290	294	326	390	-	-	-	-	-

Electrical Data

Type	PE31/UM3A* 160L-2	
Poles	2/3000	Poles
Power	18.50	Kw
Voltage	400	V
Frequency	50	Hz
Speed	2955	rpm
Nominal current	32.47	A
Power factor	0.89	
Efficiency 100%	92.4	%
Efficiency 75%	91.9	%
Efficiency 50%	90.4	%
Torque	59.78	N.m
Ta/Tn	2.2	
Ia/In	8.1	
Tm/Tn	2.3	

Mechanical Data

Shaft height	160	
Construction form	B3	
Mechanical protection	55	
Heating class	B	
Insulation class	F	
Service	S1	
Ambient temp.	-10°C-40°C	
Altitude	1000	
Noise	87	dB(A)
Weight	127	kg
Bearing DE	6309 2Z C3	
Bearing NDE	6209 2Z 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