DATASHEET

IE4 THREE PHASES MOTOR



GENERAL DATA

Motor Code:	**MS4-100L-6**
Power (kW):	**1.5**
Frame Size:	**100**
Housing Material:	**Aluminium**
Net Weight (kg):	**28**
Insulation Class:	**F**
Protection Degree:	**IP55**
Service Duty:	**S1**
Efficiency Class:	**IE4**
Cooling Method:	**IC411**
Standard:	**IEC 60034**
Bearing Types:	**6206 ZZ**
Noise Level (dB):	**61**
Moment of Inertia (kg*m2):	**0.012757**
Ambient Temp.:	**-15C to +40C**
Altitude:	**1000m above sea level**

ELECTRICAL DATA

Power (kW):			**1.5**
Frequency (Hz):			**50HZ**
Speed (RPM):			**965.0**
Eff% (@400V)	**100%: 85.9**	**75%: 86.2**	**50%: 84.5**
Power Factor (Cos PHI):			**0.72**
Tst/Tn:			**2.7**
Tmax/Tn:			**3**
Tmin/Tn:			**1.9**
Ist/In:			**6.5**
Moment of Inertia (kg*m2):			**0.012757**

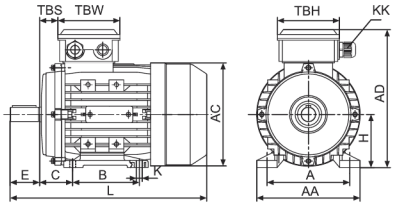
Current (A)		
220V	380V	660V
6.36	**3.68**	**2.12**

Current (A)		
230V	400V	690V
6.09	**3.5**	**2.03**

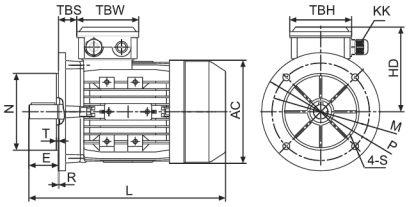
Current (A)		
240V	415V	720V
5.83	**3.37**	**1.94**

MECHANICAL DATA

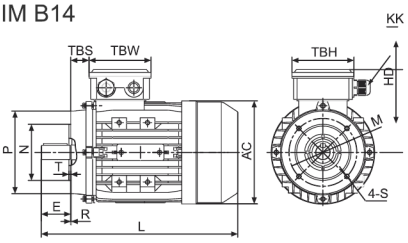
IM B3



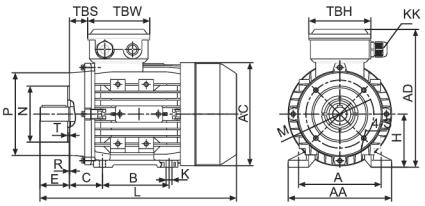
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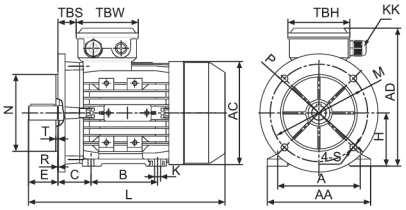
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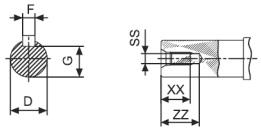


IM B34



IM B35





Frame	Foot Mounting					Shaft							General									
	H	A	B	C	K	D	E	F	G	SS	XX	ZZ	AA	AD	HD	AC	L	LCCL	KK	TBS	TBW	TBH
100	100.0	160	140	63.0	12X15	Ø28	60.0	8.0	24.0	M10	22.0	30.0	198.0	252.0	152.0	Ø205	369(387)	425(443)	2-M20X1.5	26.0	105.0	105.0