DATASHEET

IE4 THREE PHASES MOTOR



GENERAL DATA

Motor Code:	**MS4-90S-4**
Power (kW):	**1.1**
Frame Size:	**90S**
Housing Material:	**Aluminium**
Net Weight (kg):	**18**
Insulation Class:	**F**
Protection Degree:	**IP55**
Service Duty:	**S1**
Efficiency Class:	**IE4**
Cooling Method:	**IC411**
Standard:	**IEC 60034**
Bearing Types:	**6205 ZZ**
Noise Level (dB):	**61**
Moment of Inertia (kg*m2):	**0.004685**
Ambient Temp.:	**-15C to +40C**
Altitude:	**1000m above sea level**

ELECTRICAL DATA

Power (kW):			**1.1**
Frequency (Hz):			**50HZ**
Speed (RPM):			**1435.0**
Eff% (@400V)	**100%: 87.2**	**75%: 87.1**	**50%: 84.4**
Power Factor (Cos PHI):			**0.69**
Tst/Tn:			**4.8**
Tmax/Tn:			**4.1**
Tmin/Tn:			**3.8**
Ist/In:			**8.2**
Moment of Inertia (kg*m2):			**0.004685**

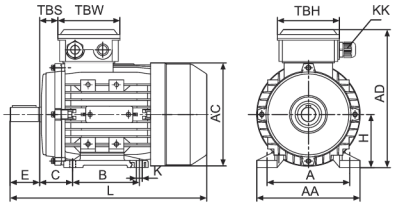
Current (A)		
220V	380V	660V
4.8	**2.78**	**1.6**

Current (A)		
230V	400V	690V
4.59	**2.64**	**1.53**

Current (A)		
240V	415V	720V
4.4	**2.54**	**1.47**

MECHANICAL DATA

IM B3



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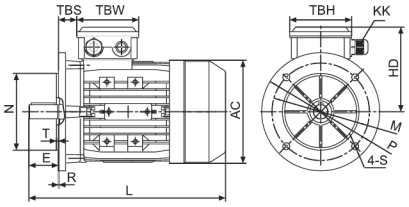

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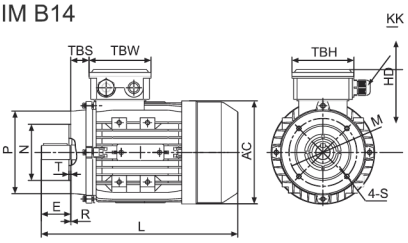

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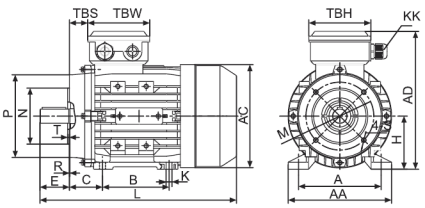

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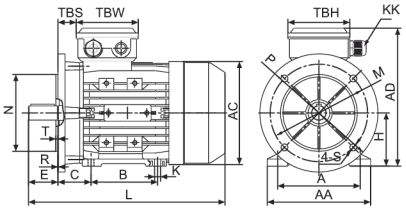

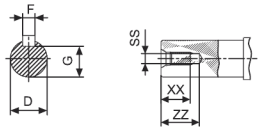

Frame	Foot Mounting					Shaft							General									
	H	A	B	C	K	D	E	F	G	SS	XX	ZZ	AA	AD	HD	AC	L	LCCL	KK	TBS	TBW	TBH
90S	90.0	140	100	56.0	10X13	Ø 24	50.0	8.0	20.0	M 8	19.0	25.0	175.0	229.0	139.0	Ø 183	312	361	1-M 20X1.5	30.0	105.0	105.0