DATASHEET

IE4 THREE PHASES MOTOR



GENERAL DATA

Motor Code:	**MS4-90L-2**
Power (kW):	**2.2**
Frame Size:	**90L**
Housing Material:	**Aluminium**
Net Weight (kg):	**18.5**
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):	**72**
Moment of Inertia (kg*m2):	**0.003086**
Ambient Temp.:	**-15C to +40C**
Altitude:	**1000m above sea level**

ELECTRICAL DATA

Power (kW):			**2.2**
Frequency (Hz):			**50HZ**
Speed (RPM):			**2900.0**
Eff% (@400V)	**100%: 88**	**75%: 88.2**	**50%: 86.9**
Power Factor (Cos PHI):			**0.83**
Tst/Tn:			**4**
Tmax/Tn:			**4.2**
Tmin/Tn:			**3**
Ist/In:			**10.5**
Moment of Inertia (kg*m2):			**0.003086**

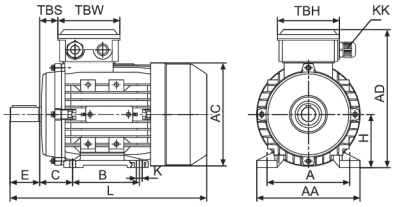
Current (A)		
220V	380V	660V
7.9	**4.58**	**2.63**

Current (A)		
230V	400V	690V
7.56	**4.35**	**2.52**

Current (A)		
240V	415V	720V
7.25	**4.19**	**2.42**

MECHANICAL DATA

IM B3



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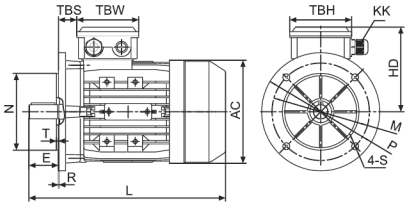

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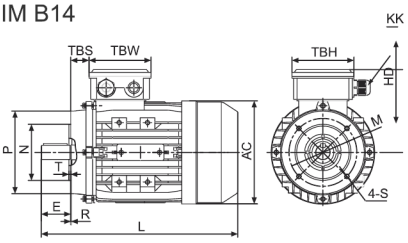

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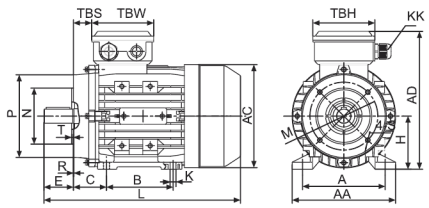

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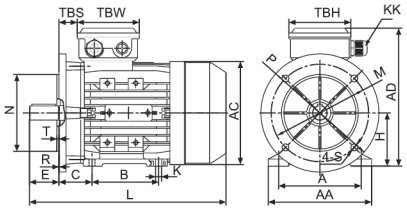

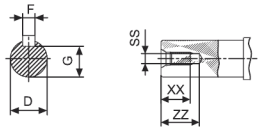

Frame	Foot Mounting					Shaft							General									
	H	A	B	C	K	D	E	F	G	SS	XX	ZZ	AA	AD	HD	AC	L	LCCL	KK	TBS	TBW	TBH
90L	90.0	140	125	56.0	10X13	Ø 24	50.0	8.0	20.0	M 8	19.0	25.0	175.0	229.0	139.0	Ø 183	337/367	386/416	1-M 20X1.5	30.0	105.0	105.0