DATASHEET

IE4 THREE PHASES MOTOR



GENERAL DATA

Motor Code:	**MS4-160L-4**
Power (kW):	**15**
Frame Size:	**160L**
Housing Material:	**Aluminium**
Net Weight (kg):	**126**
Insulation Class:	**F**
Protection Degree:	**IP55**
Service Duty:	**S1**
Efficiency Class:	**IE4**
Cooling Method:	**IC411**
Standard:	**IEC 60034**
Bearing Types:	**6309 ZZ**
Noise Level (dB):	**75**
Moment of Inertia (kg*m2):	**0.165297**
Ambient Temp.:	**-15C to +40C**
Altitude:	**1000m above sea level**

ELECTRICAL DATA

Power (kW):			**15**
Frequency (Hz):			**50HZ**
Speed (RPM):			**1475.0**
Eff% (@400V)	**100%: 93.9**	**75%: 94.1**	**50%: 93.7**
Power Factor (Cos PHI):			**0.83**
Tst/Tn:			**3.2**
Tmax/Tn:			**3.5**
Tmin/Tn:			**2.2**
Ist/In:			**9.2**
Moment of Inertia (kg*m2):			**0.165297**

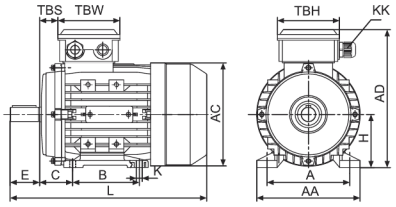
Current (A)		
220V	380V	660V
50.5	**29.2**	**16.8**

Current (A)		
230V	400V	690V
48.3	**27.8**	**16.1**

Current (A)		
240V	415V	720V
46.3	**26.8**	**15.4**

MECHANICAL DATA

IM B3



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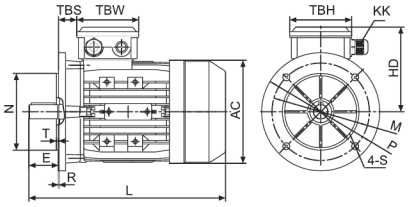

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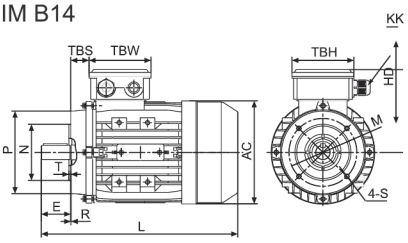

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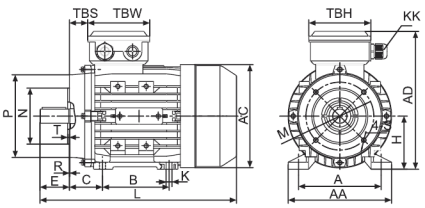

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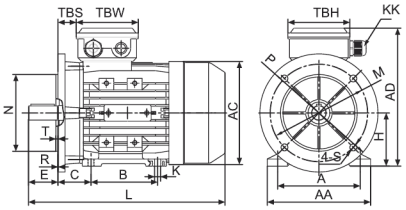

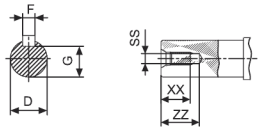

Frame	Foot Mounting					Shaft							General									
	H	A	B	C	K	D	E	F	G	SS	XX	ZZ	AA	AD	HD	AC	L	LCCL	KK	TBS	TBW	TBH
160L	160.0	254	210/254	108.0	15X19	Ø42	110.0	12.0	37.0	M16	36.0	45.0	290.0	384.0	224.0	Ø325	640	697	2-M32X1.5	64.0	143.0	143.0