DATASHEET

IE4 THREE PHASES MOTOR



GENERAL DATA

Motor Code:	**MS4-160L-2**
Power (kW):	**18.5**
Frame Size:	**160L**
Housing Material:	**Aluminium**
Net Weight (kg):	**136**
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):	**86**
Moment of Inertia (kg*m2):	**0.107485**
Ambient Temp.:	**-15C to +40C**
Altitude:	**1000m above sea level**

ELECTRICAL DATA

Power (kW):			**18.5**
Frequency (Hz):			**50HZ**
Speed (RPM):			**2960.0**
Eff% (@400V)	**100%: 93.7**	**75%: 94.2**	**50%: 93.1**
Power Factor (Cos PHI):			**0.93**
Tst/Tn:			**3.8**
Tmax/Tn:			**4**
Tmin/Tn:			**2.5**
Ist/In:			**10.3**
Moment of Inertia (kg*m2):			**0.107485**

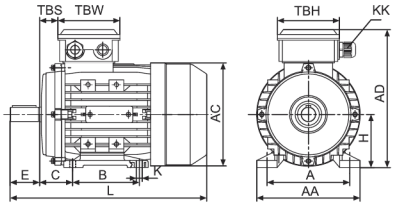
Current (A)		
220V	380V	660V
55.7	**32.3**	**18.6**

Current (A)		
230V	400V	690V
53.3	**30.6**	**17.8**

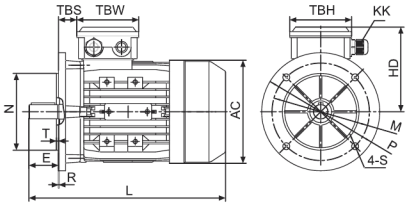
Current (A)		
240V	415V	720V
51.1	**29.5**	**17**

MECHANICAL DATA

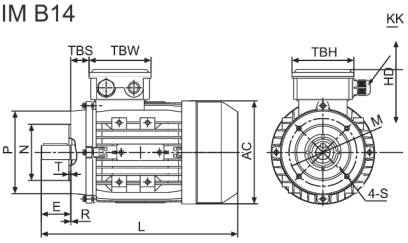
IM B3



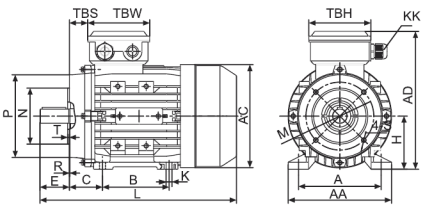
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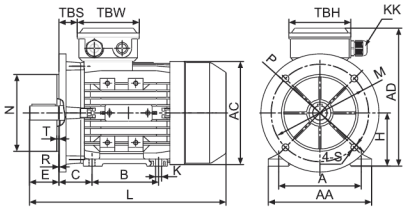
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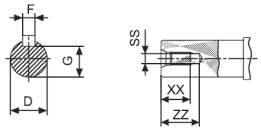


IM B34



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
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