DATASHEET

IE4 THREE PHASES MOTOR



GENERAL DATA

Motor Code:	**MS4-160M-6**
Power (kW):	**7.5**
Frame Size:	**160M**
Housing Material:	**Aluminium**
Net Weight (kg):	**92**
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):	**68**
Moment of Inertia (kg*m2):	**0.128267**
Ambient Temp.:	**-15C to +40C**
Altitude:	**1000m above sea level**

ELECTRICAL DATA

Power (kW):			**7.5**
Frequency (Hz):			**50HZ**
Speed (RPM):			**980.0**
Eff% (@400V)	**100%: 91.3**	**75%: 91.5**	**50%: 90.3**
Power Factor (Cos PHI):			**0.77**
Tst/Tn:			**3.3**
Tmax/Tn:			**3.3**
Tmin/Tn:			**1.8**
Ist/In:			**8.5**
Moment of Inertia (kg*m2):			**0.128267**

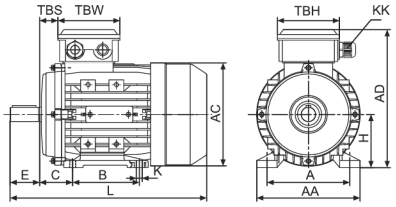
Current (A)		
220V	380V	660V
28	**16.2**	**9.33**

Current (A)		
230V	400V	690V
26.8	**15.4**	**8.93**

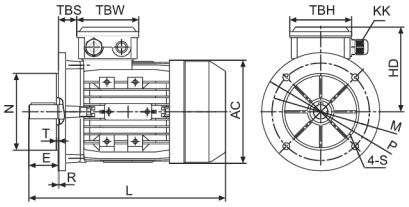
Current (A)		
240V	415V	720V
25.7	**14.8**	**8.55**

MECHANICAL DATA

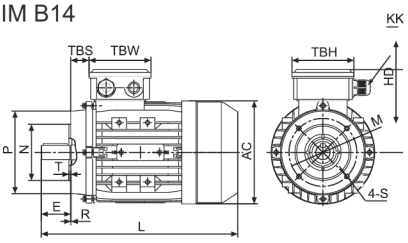
IM B3



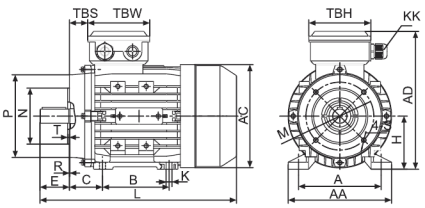
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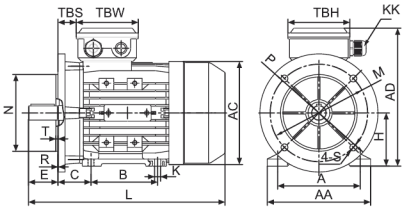
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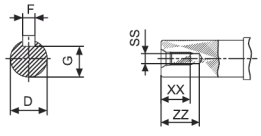


IM B34



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
160M	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