

TECHNICAL DATASHEET

Asynchronous Motor 3SIE 160L-6

Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	2026-03-26

Nameplate Data:

Code: 131399

Type: 3SIE 160L-6					
kW	Hz	V	A	Rpm	Cos
11,0	50	400D	21,4	970	0,82
11,0	50	690Y	12,4	970	0,82
12,7	60	460D	21,4	1165	0,82
Eff.(100%) 50Hz	Duty	IE-class S1	Amb.temp °C.	IP rating	Iso.class
90,3	S1	IE3	-20° - +40°C	IP55	F
Data duty S1, Amb.temp 40°C:					
Voltage - V:		400	Mounting form:		B3/B5
Frequency - Hz:		50	Bearing DE:		6309 2Z C3
Power - kW:		11,0	Bearing NDE:		6309 2Z C3
Full load speed - rpm:		970	Weight - kg:		114
Full load current - A:		21,4	Heater:		No
Full load power factor - Cos:		0,82	Th.Protection:		PTC mounted
Locked rotor current - A:		150	Kgm²:		0,123
Locked rotor factor - Ast/An:		7,0	Sound press.-db(A):		-
Efficiency 100% load - %:		90,3	Cooling:		IC411
Efficiency 75% load - %:		91,4	Braking Torque:		-
Efficiency 50% load - %:		91,4	Over load/speed test:		2000
Full load torque - Nm:		108	H-pot test voltage:		2000
Locked rotor torque - Nm:		238	Temp rise in stator:		F
Locked rotor torque - Nmst/Nmn:		2,2	Over load 160% - 15 sec		
Max. Pull out torque - Nm:		325	kW:		18
Max. Pull out torque. - Nmst/Nmn:		3,0	Hz:		50
Other:			V:		400
			A:		32,6
			Rpm:		948
			Over speed 125% - 2 min		
			kW:		11,0
			Hz:		63
			V:		400
			A:		20,3
			Rpm:		1213

The motor is produced in accordance with following harmonized standards:

IEC60034-1, IEC60034-2, IEC60034-5, IEC60034-6, IEC60034-7, IEC60034-8, IEC60034-9

IEC60034-12, IEC60034-14, IEC60034-30-2, IEC60072.

Additional specifications in accordance with:

RINA - GL - LRS - BV - DNV - ABS - KR - RR - CCS - CCC - RMRS.

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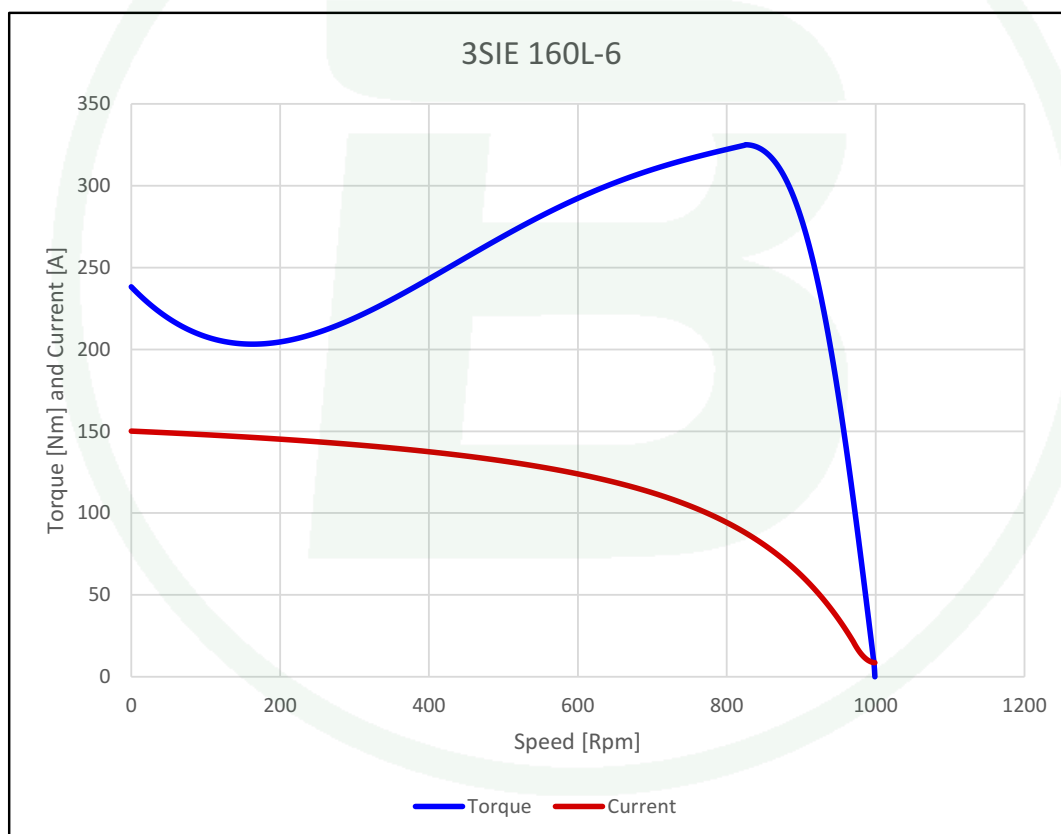
Motor data

Rated output [kW]	11,0	Full load torque [Nm]	108
Rated speed [r/min]	970	Tstart / Tn	2,2
Rated current [A]	21,4	Tmax / Tn	3,0
Istart / In	7,0	Moment of inertia [kgm ²]	0,123

Performance conditions

Voltage [V] at 100%	400	Frequenzy [Hz] at 100%	50
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Starting curves



Please note that the graphs shown above are the result of a computer simlaton.

They are not and do not provide any sort of guarantee or certainty regarding the performance of any individual motor in a real life scenario.

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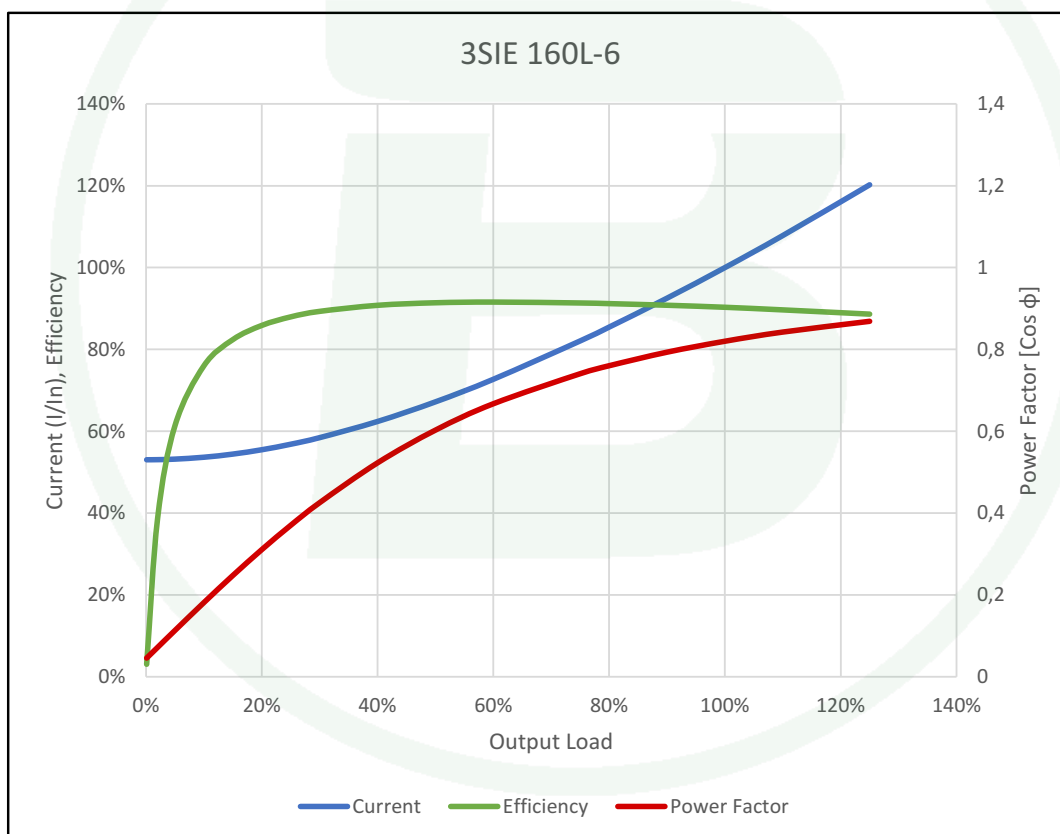
Motor data

Rated output [kW]	11,0	Power factor at P_n [Cos ϕ]	0,82
Rated speed [r/min]	970	Efficiency at P_n	90,3
Rated current [A]	21,4		
I _{start} / I _n	7,0		

Performance conditions

Voltage [V] at 100%	400	Frequency [Hz] at 100%	50
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Load curves



Please note that the graphs shown above are the result of a computer simulation.

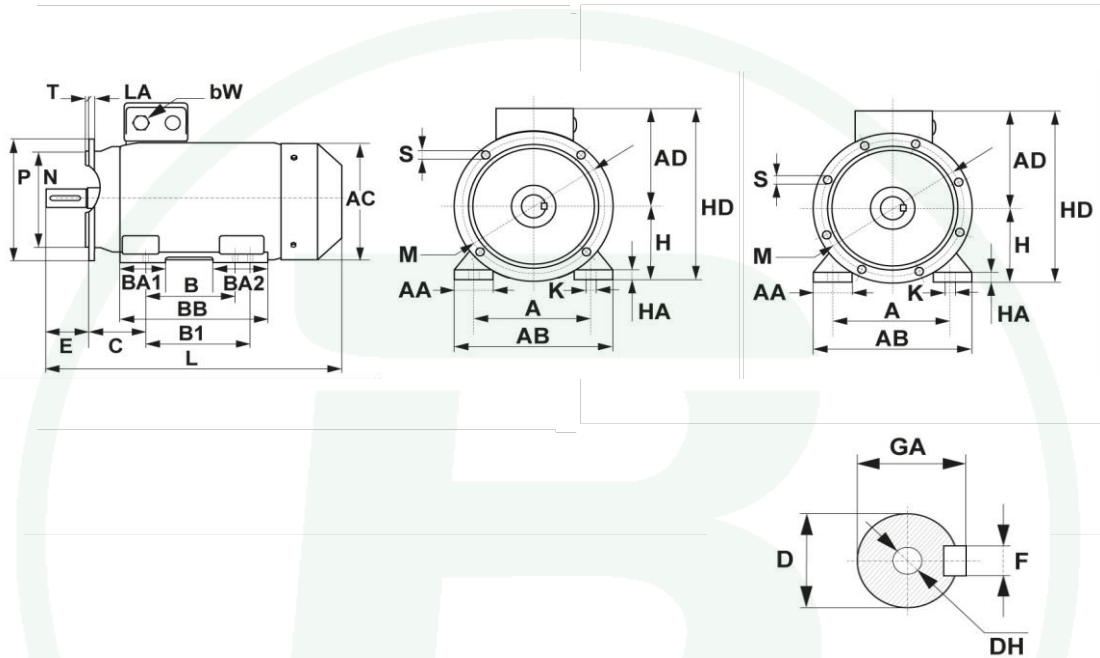
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Foot & flange mounted motor 3SIE 160L-6 B3/B5



Unit: mm

M:	300	HD:	383	E:	110
N:	250	C:	108	D:	42
P:	350	H:	160	GA:	45
S:	19	K:	15	DB:	M16x36
Sp:	4	L:	643	F:	12
A:	254	LD:	254		
B:	210				
B1:	254				
AB:	320				
	323				
AD:					