

TECHNICAL DATASHEET

Asynchronous Motor 3SIE n 90L-4

Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	2026-08-26

Nameplate Data:

Code: 122525

Type: 3SIE n 90L-4					
kW	Hz	V	A	Rpm	Cos
1,5	50	230D	5,7	1450	0,78
1,5	50	400Y	3,3	1450	0,78
1,7	60	460Y	3,3	1750	0,78
Eff.(100%) 50Hz	Duty	IE-class S1	Amb.temp °C.	IP rating	Iso.class
85,3	S1	IE3	-20° - +40°C	IP55	F
Data duty S1, Amb.temp 40°C:					
Voltage - V:		400	Mounting form:		B3
Frequency - Hz:		50	Bearing DE:		6205 2Z C3
Power - kW:		1,5	Bearing NDE:		6205 2Z C3
Full load speed - rpm:		1450	Weight - kg:		21
Full load current - A:		3,3	Heater:		No
Full load power factor - Cos:		0,78	Th.Protection:		PTC mounted
Locked rotor current - A:		24,1	Kgm²:		0,004
Locked rotor factor - Ast/An:		7,4	Sound press.-db(A):		54
Efficiency 100% load - %:		85,3	Cooling:		IC411
Efficiency 75% load - %:		85,5	Braking Torque:		-
Efficiency 50% load - %:		83,9	Over load/speed test:		2000
Full load torque - Nm:		9,9	H-pot test voltage:		2000
Locked rotor torque - Nm:		24,7	Temp rise in stator:		F
Locked rotor torque - Nmst/Nmn:		2,5	Over load 160% - 15 sec		
Max. Pull out torque - Nm:		33,6	kW:		2,4
Max. Pull out torque. - Nmst/Nmn:		3,4	Hz:		50
Other:			V:		400
			A:		4,7
			Rpm:		1415
			Over speed 125% - 2 min		
			kW:		1,5
			Hz:		63
			V:		400
			A:		3,0
			Rpm:		1813

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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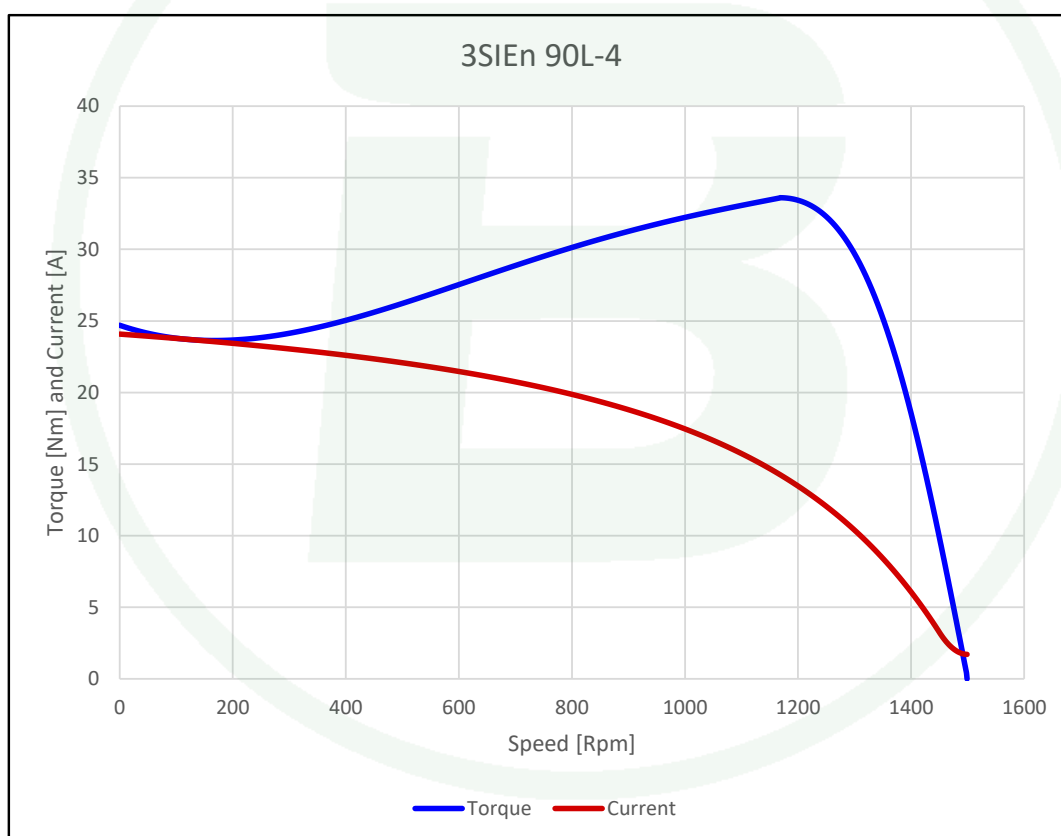
Motor data

Rated output [kW]	1,5	Full load torque [Nm]	9,9
Rated speed [r/min]	1450	Tstart / Tn	2,5
Rated current [A]	3,3	Tmax / Tn	3,4
Istart / In	7,4	Moment of inertia [kgm ²]	0,004

Performance conditions

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



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

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]	1,5	Power factor at P _n [Cos φ]	0,78
Rated speed [r/min]	1450	Efficiency at P _n	85,3
Rated current [A]	3,3		
I _{start} / I _n	7,4		

Performance conditions

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



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

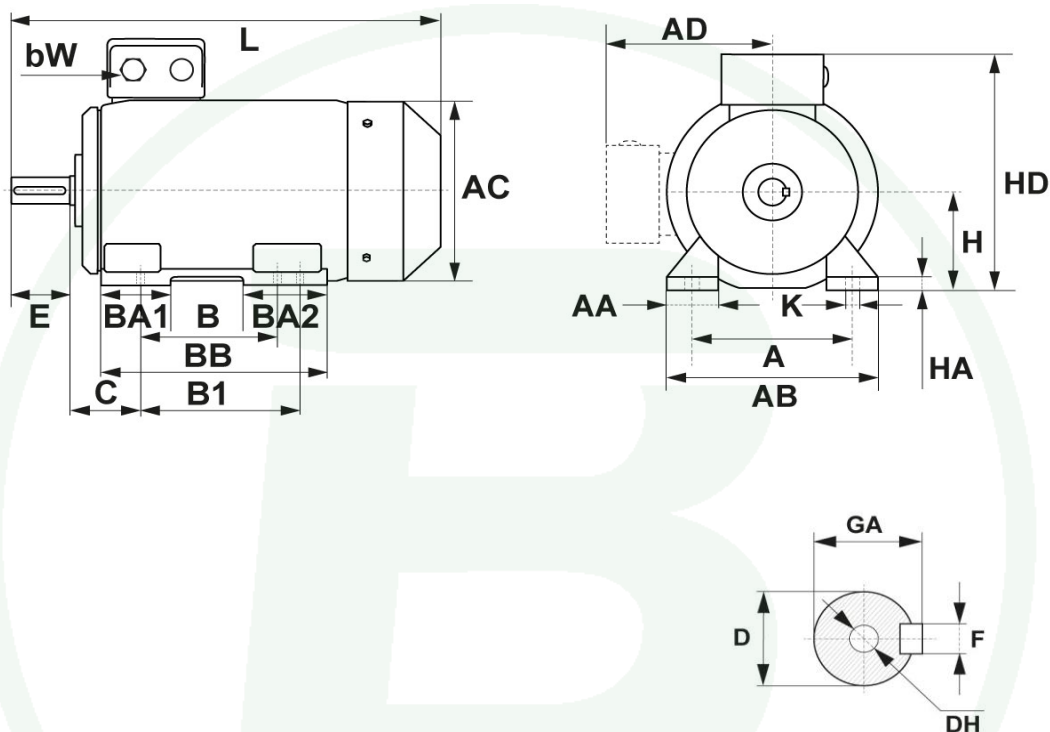
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Foot mounted motor 3SIEn 90L-4 B3



Unit: mm

A:	140	HD:	238	E:	50
B:	100	C:	56	D:	24
B1:	125	H:	90	GA:	27
AB:	182	K:	10	DB:	M8x19
AC:	200	L:	356	F:	8
AD:					
LD:					

AD: 404