

TECHNICAL DATASHEET

Asynchronous Motor 3SIE 250M-4

Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	2026-06-17

Nameplate Data:

Code: 121581

Type: 3SIE 250M-4					
kW	Hz	V	A	Rpm	Cos
55,0	50	400D	93,1	1487	0,9
55,0	50	690Y	54,0	1487	0,90
63,3	60	460D	93,1	1786	0,90
Eff.(100%) 50Hz	Duty	IE-class S1	Amb.temp °C.	IP rating	Iso.class
94,7	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:		6315 C3
Power - kW:		55,0	Bearing NDE:		6315 C3
Full load speed - rpm:		1487	Weight - kg:		520
Full load current - A:		93,1	Heater:		No
Full load power factor - Cos:		0,9	Th.Protection:		PTC mounted
Locked rotor current - A:		708	Kgm²:		1
Locked rotor factor - Ast/An:		7,6	Sound press.-db(A):		-
Efficiency 100% load - %:		94,7	Cooling:		IC411
Efficiency 75% load - %:		94,8	Braking Torque:		-
Efficiency 50% load - %:		94,0	Over load/speed test:		2000
Full load torque - Nm:		353	H-pot test voltage:		2000
Locked rotor torque - Nm:		883	Temp rise in stator:		F
Locked rotor torque - Nmst/Nmn:		2,5	Over load 160% - 15 sec		
Max. Pull out torque - Nm:		1024	kW:		88
Max. Pull out torque. - Nmst/Nmn:		2,9	Hz:		50
Other:			V:		400
			A:		148
			Rpm:		1478
			Over speed 125% - 2 min		
			kW:		55,0
			Hz:		63
			V:		400
			A:		90,8
			Rpm:		1859

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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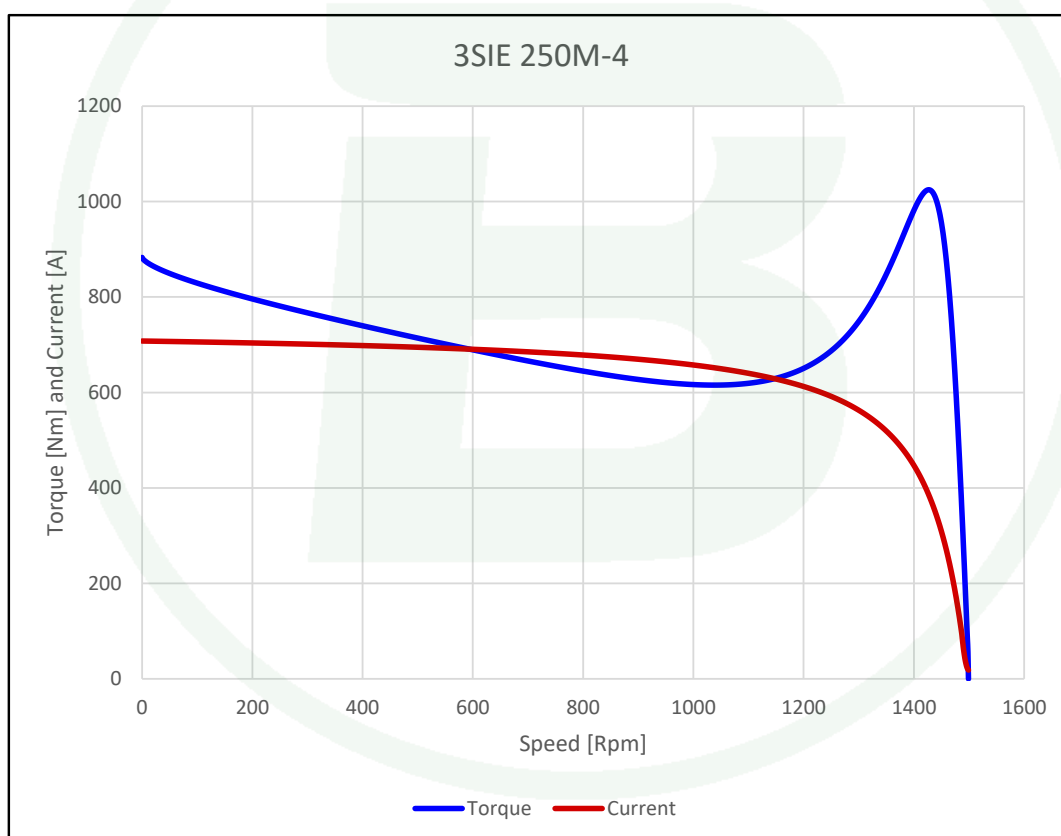
Motor data

Rated output [kW]	55,0	Full load torque [Nm]	353
Rated speed [r/min]	1487	Tstart / Tn	2,5
Rated current [A]	93,1	Tmax / Tn	2,9
Istart / In	7,6	Moment of inertia [kgm ²]	1

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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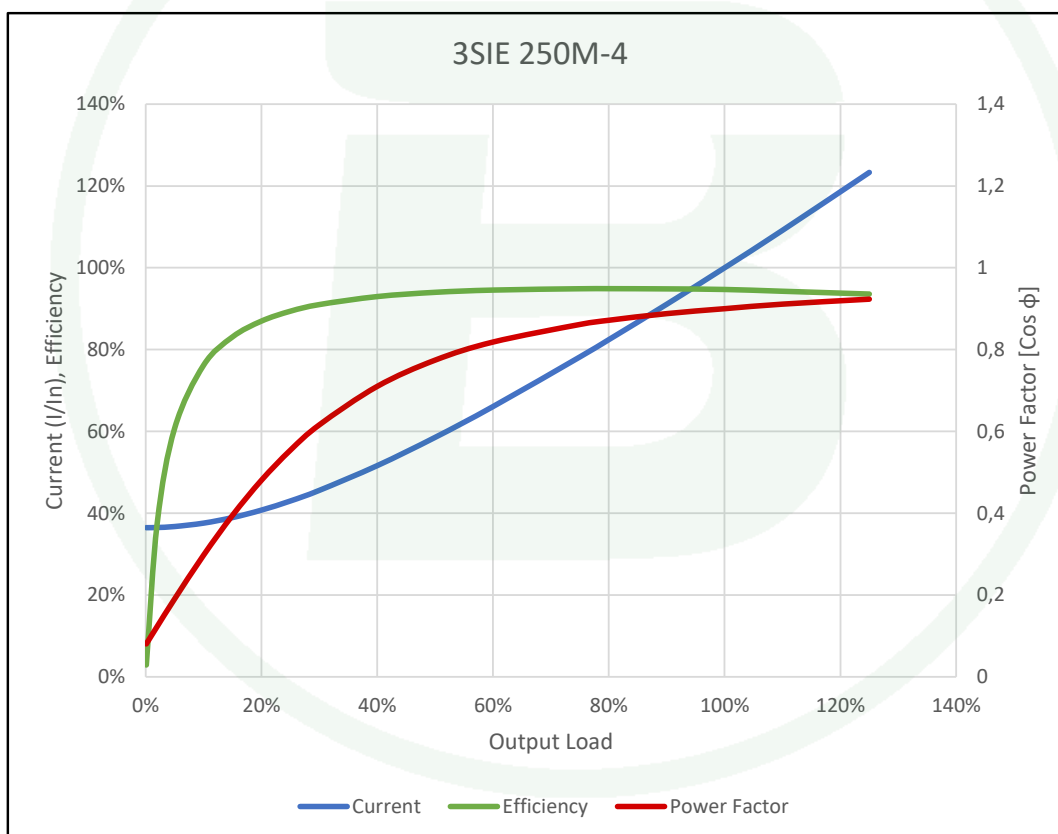
Motor data

Rated output [kW]	55,0	Power factor at P_n [Cos ϕ]	0,9
Rated speed [r/min]	1487	Efficiency at P_n	94,7
Rated current [A]	93,1		
Istart / In	7,6		

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.

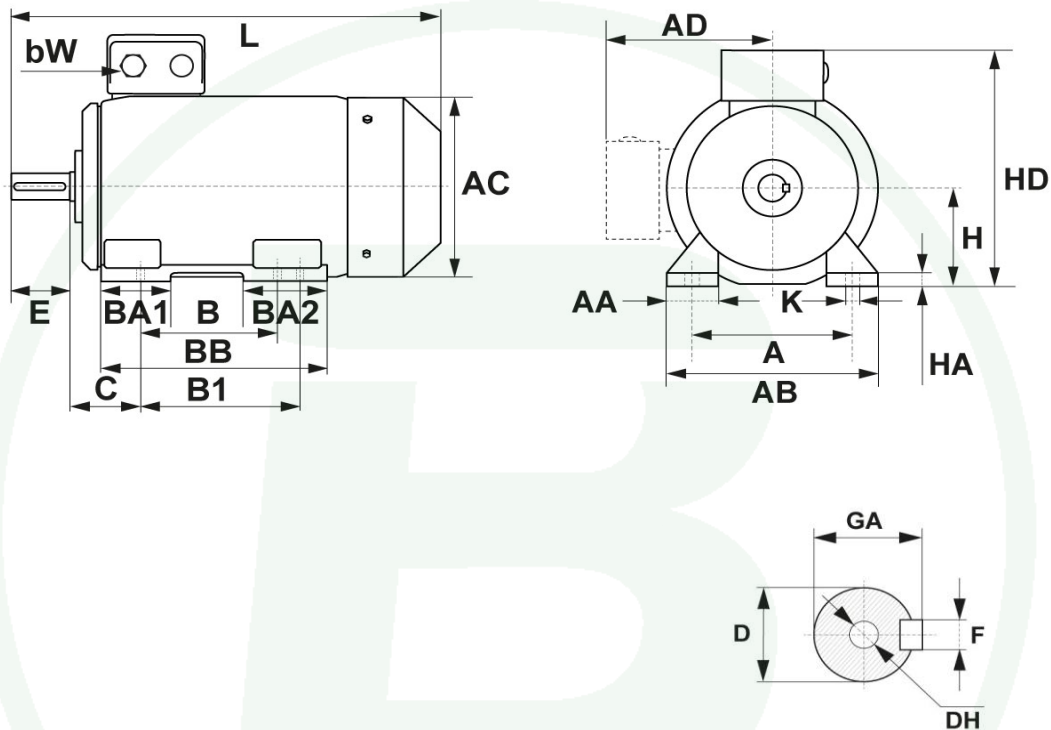
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Foot mounted motor 3SIE 250M-4 B3



Unit: mm

A:	406	HD:	635	E:	140
B:	349	C:	168	D:	65
B1:		H:	250	GA:	69
AB:	480	K:	24	DB:	M20x42
AC:	540	L:	1040	F:	18
AD:	415				
LD:					

AD: 404