

TECHNICAL DATASHEET

Asynchronous Motor 3SIE 80-4B

Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	2025-03-11

Nameplate Data:

Type:

Code:

115325

Type: 3SIE 80-4B					
kW	Hz	V	A	Rpm	Cos
0,75	50	400D	2,1	1430	0,64
0,75	50	690Y	1,2	1430	0,64
0,86	60	460D	2	1720	0,64
Eff.(100%) 50Hz	Duty	IE-class S1	Amb.temp.	IP rating	Iso.class
82,5	S1	IE3	-20° - +40°C	IP55	F
Data duty S1, Amb.temp 40°C:					
Voltage - V:		400	Mounting form:		B14A
Frequency - Hz:		50	Bearing DE:		6204 2Z
Power - kW:		0,75	Bearing NDE:		6204 2Z
Full load speed - rpm:		1430	Weight - kg:		11
Full load current - A:		2,1	Heater:		No
Full load power factor - Cos:		0,64	Th.Protection:		PTC mounted
Locked rotor current - A:		12,9	Kgm ² :		0,00265
Locked rotor factor - A _{st} /A _n :		6,3	Sound press.-db(A):		-
			Cooling:		IC411
Efficiency 100% load - %:		82,5	Over load/speed test:		
Efficiency 75% load - %:		82,0			
Efficiency 50% load - %:		81,5	H-pot test voltage:		2000
Full load torque - Nm:		5,0	Temp rise in stator:		F
Locked rotor torque - Nm:		20,5	Over load 160% - 15 sec		
Locked rotor torque - Nm _{st} /Nm _n :		4,1	kW:		1,2
Max. Pull out torque - Nm:		19,5	Hz:		50
Max. Pull out torque. - Nm _{st} /Nm _n :		3,9	V:		400
Other:			A:		2,7
			Rpm:		1380
			Over speed 125% - 2 min		
			kW:		0,75
			Hz:		63
			V:		400
			A:		1,8
			Rpm:		1788

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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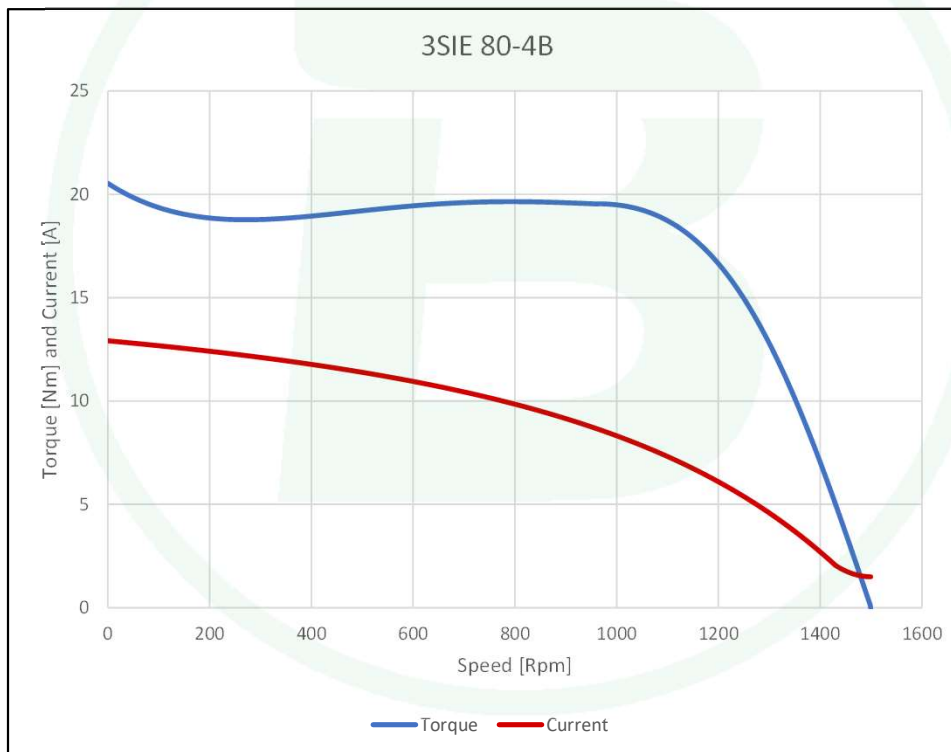
Motor data

Rated output [kW]	0,75	Full load torque [Nm]	5,0
Rated speed [r/min]	1430	Tstart / Tn	4,1
Rated current [A]	2,1	Tmax / Tn	3,9
Istart / In	6,3	Moment of inertia [kgm ²]	0,00265

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 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]	0,75	Power factor at P_n [Cos φ]	0,64
Rated speed [r/min]	1430	Efficiency at P_n	82,5
Rated current [A]	2,1		
I _{start} / I _n	6,3		

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.

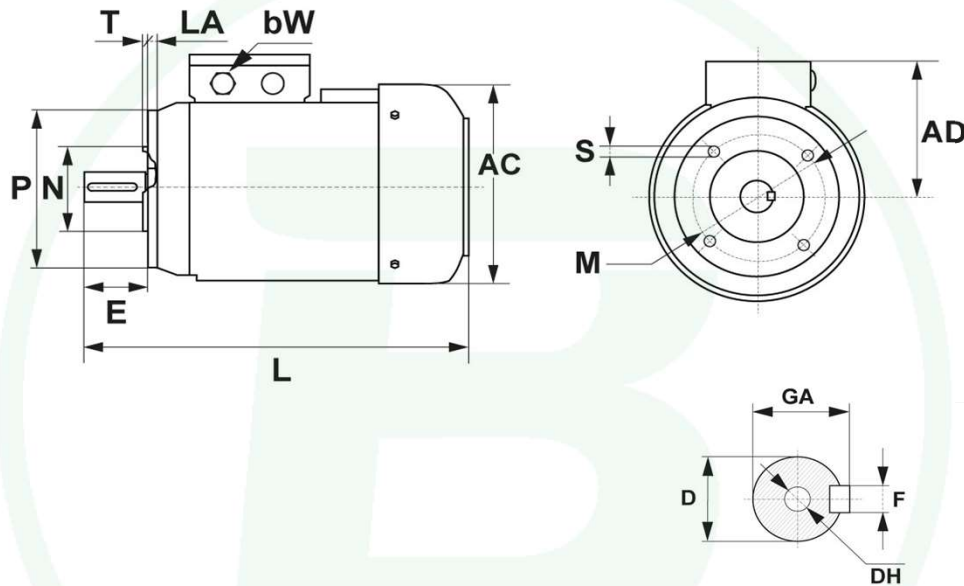
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Flange mounted motor 3SIE 80-4B B14A



Unit: mm

M:	100	HD:	199	E:	40
N:	80	L:	306	D:	19
P:	120	LD:		GA:	21,5
S:	M6			DB:	M6x16
				F:	6

AD: