

TECHNICAL DATASHEET

Asynchronous Motor 4A3 160L-8

Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	21-10-2026

Nameplate Data:

Code: 129622

Type: 4A3 160L-8					
kW	Hz	V	A	Rpm	Cos
7,5	50	400D	16,5	720	0,75
7,5	50	690Y	9,6	720	0,75
8,6	60	460D	16,5	864	0,75
Eff.(100%) 50Hz	Duty	IE-class S1	Amb.temp °C.	IP rating	Iso.class
87,4	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:		6309 2Z C3
Power - kW:		7,5	Bearing NDE:		6309 2Z C3
Full load speed - rpm:		720	Weight - kg:		116
Full load current - A:		16,5	Heater:		No
Full load power factor - Cos:		0,75	Th.Protection:		PTC mounted
Locked rotor current - A:		99,1	Kgm ² :		0,142
Locked rotor factor - Ast/An:		6,0	Sound press.-db(A):		-
Efficiency 100% load - %:		87,4	Cooling:		IC411
Efficiency 75% load - %:		87,6	Braking Torque:		-
Efficiency 50% load - %:		85,1	Over load/speed test:		
Full load torque - Nm:		99,5	H-pot test voltage:		2000
Locked rotor torque - Nm:		189	Temp rise in stator:		F
Locked rotor torque - Nmst/Nmn:		1,9	Over load 160% - 15 sec		
Max. Pull out torque - Nm:		199	kW:		12
Max. Pull out torque. - Nmst/Nmn:		2,0	Hz:		50
Other:			V:		400
			A:		26,7
			Rpm:		690
			Over speed 125% - 2 min		
			kW:		7,5
			Hz:		63
			V:		400
			A:		15,5
			Rpm:		900

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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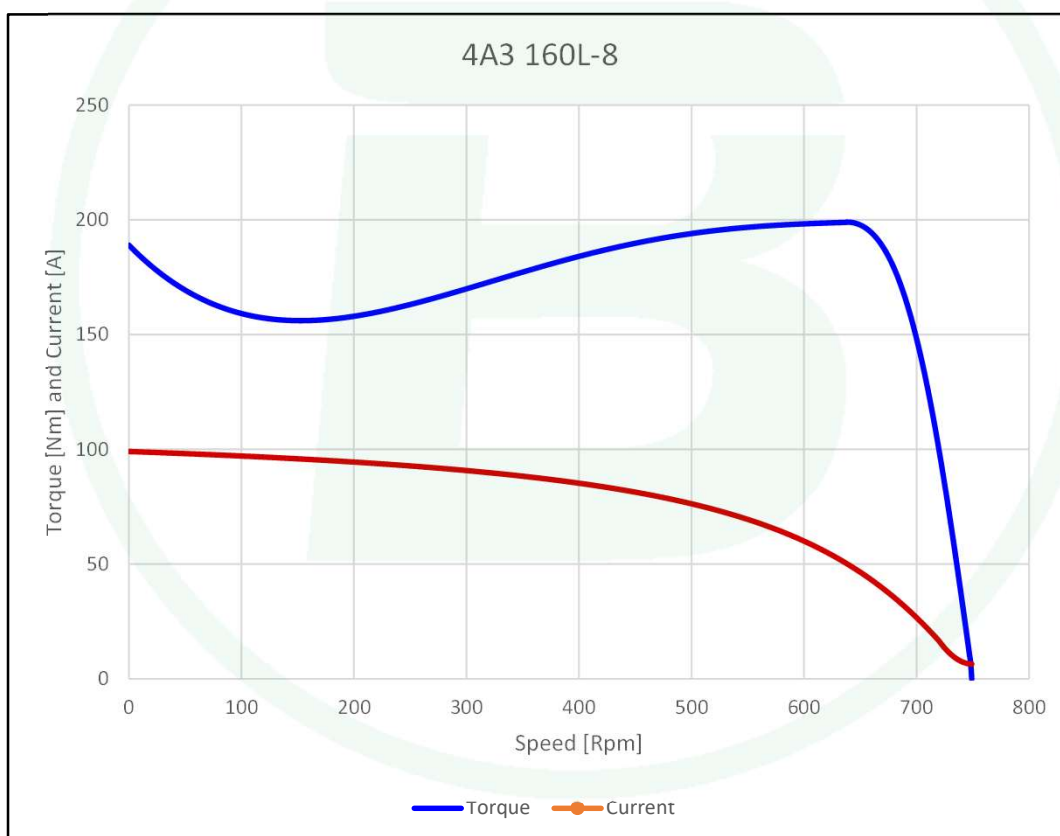
Motor data

Rated output [kW]	7,5	Full load torque [Nm]	99,5
Rated speed [r/min]	720	Tstart / Tn	1,9
Rated current [A]	16,5	Tmax / Tn	2,0
Istart / In	6,0	Moment of inertia [kgm ²]	0,142

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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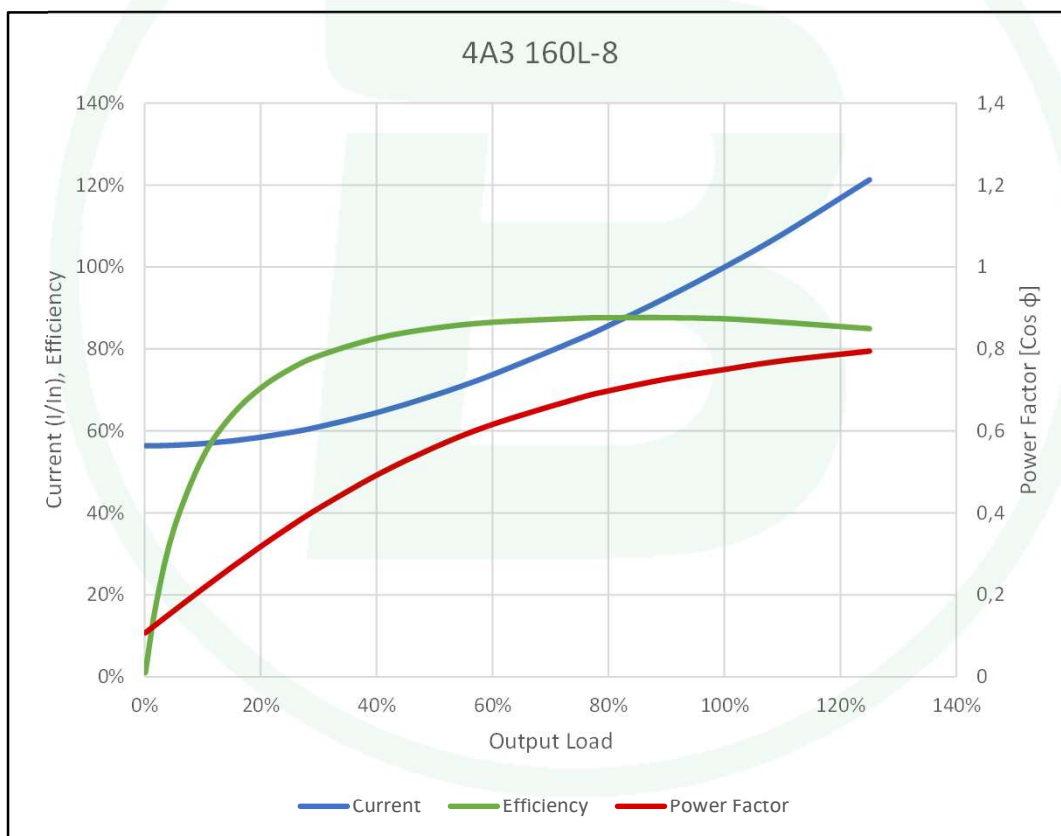
Motor data

Rated output [kW]	7,5	Power factor at P_n [Cos ϕ]	0,75
Rated speed [r/min]	720	Efficiency at P_n [%]	87,4
Rated current [A]	16,5		
Istart / In	6,0		

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.

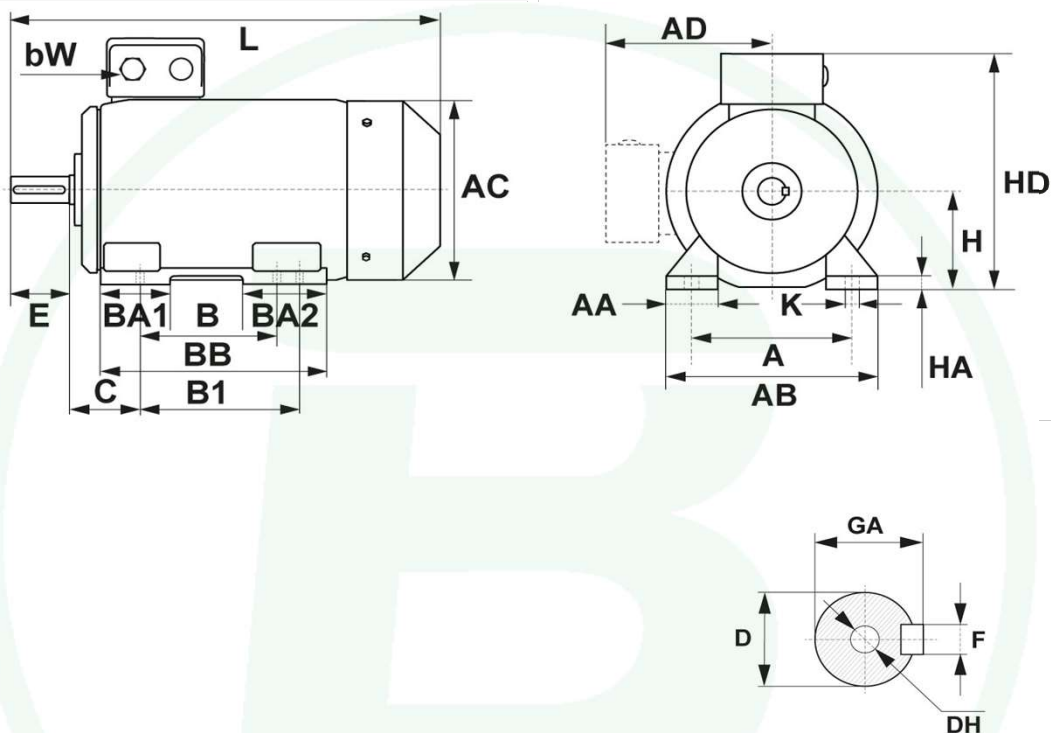
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Foot mounted motor 4A3 160L-8 B3



Unit: mm

A:	254	HD:	415	E:	110
B:	254	C:	108	D:	42
B1:		H:	160	GA:	45
AB:	312	K:	15	DB:	M16
AC:	313	L:	670	F:	12
AD:	255				
LD:					