

TECHNICAL DATASHEET

Asynchronous Motor 4A3 100L2-4

Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	2026-09-16

Nameplate Data:

Code: 121154

Type: 4A3 100L2-4					
kW	Hz	V	A	Rpm	Cos
3,0	50	230D	10,5	1455	0,82
3,0	50	400Y	6,0	1455	0,82
3,5	60	460Y	6,0	1746	0,82
Eff.(100%) 50Hz	Duty	IE-class S1	Amb.temp °C.	IP rating	Iso.class
87,8	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:		6206 2Z C3
Power - kW:		3,0	Bearing NDE:		6206 2Z C3
Full load speed - rpm:		1455	Weight - kg:		33
Full load current - A:		6,0	Heater:		No
Full load power factor - Cos:		0,82	Th.Protection:		PTC mounted
Locked rotor current - A:		45,7	Kgm²:		0,01012
Locked rotor factor - Ast/An:		7,6	Sound press.-db(A):		53
Efficiency 100% load - %:		87,8	Cooling:		IC411
Efficiency 75% load - %:		88,2	Braking Torque:		-
Efficiency 50% load - %:		87,1	Over load/speed test:		
Full load torque - Nm:		19,7	H-pot test voltage:		2000
Locked rotor torque - Nm:		45,3	Temp rise in stator:		F
Locked rotor torque - Nmst/Nmn:		2,3	Over load 160% - 15 sec		
Max. Pull out torque - Nm:		45,3	kW:		4,8
Max. Pull out torque. - Nmst/Nmn:		2,3	Hz:		50
Other:			V:		400
			A:		9,5
			Rpm:		1417
			Over speed 125% - 2 min		
			kW:		3,0
			Hz:		63
			V:		400
			A:		5,7
			Rpm:		1819

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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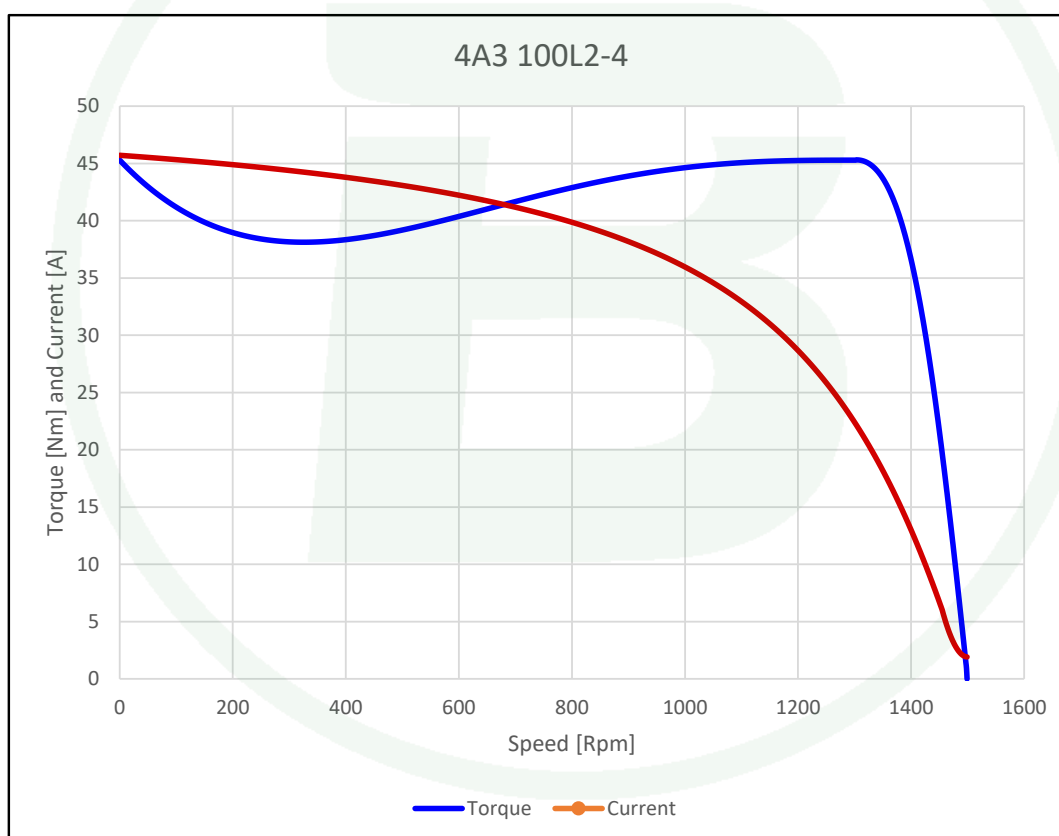
Motor data

Rated output [kW]	3,0	Full load torque [Nm]	19,7
Rated speed [r/min]	1455	Tstart / Tn	2,3
Rated current [A]	6,0	Tmax / Tn	2,3
Istart / In	7,6	Moment of inertia [kgm ²]	0,01012

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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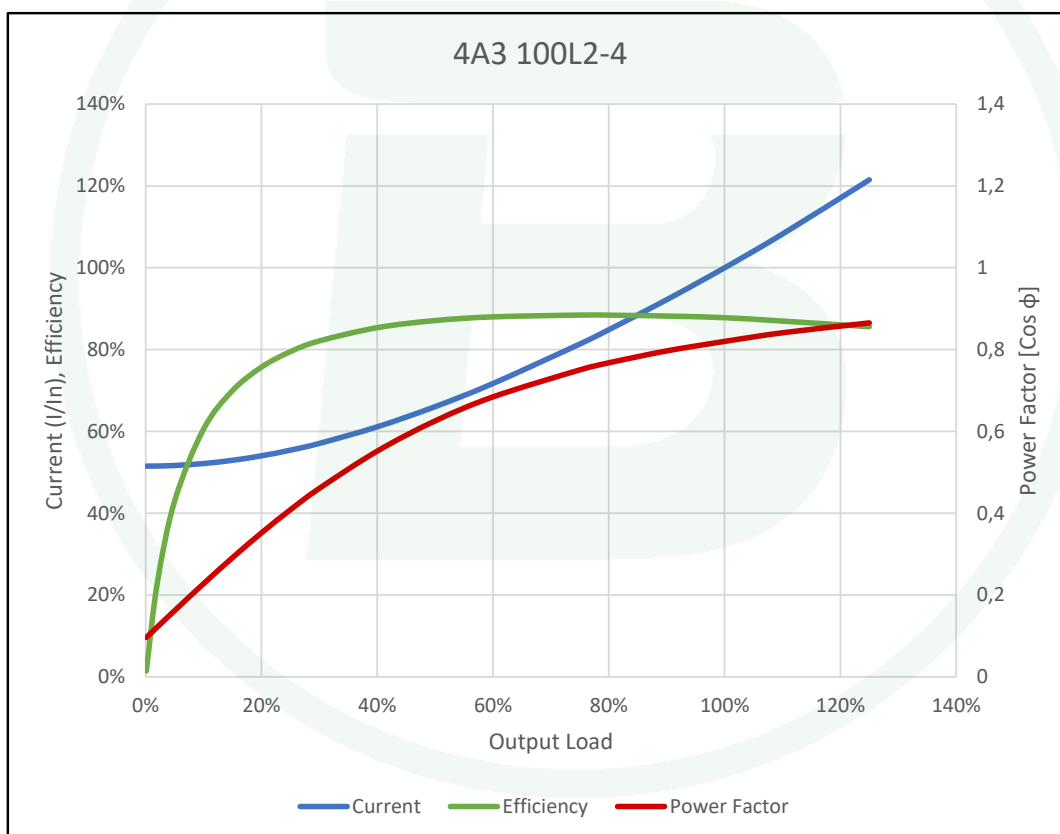
Motor data

Rated output [kW]	3,0	Power factor at P_n [Cos ϕ]	0,82
Rated speed [r/min]	1455	Efficiency at P_n [%]	87,8
Rated current [A]	6,0		
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 simulaton.

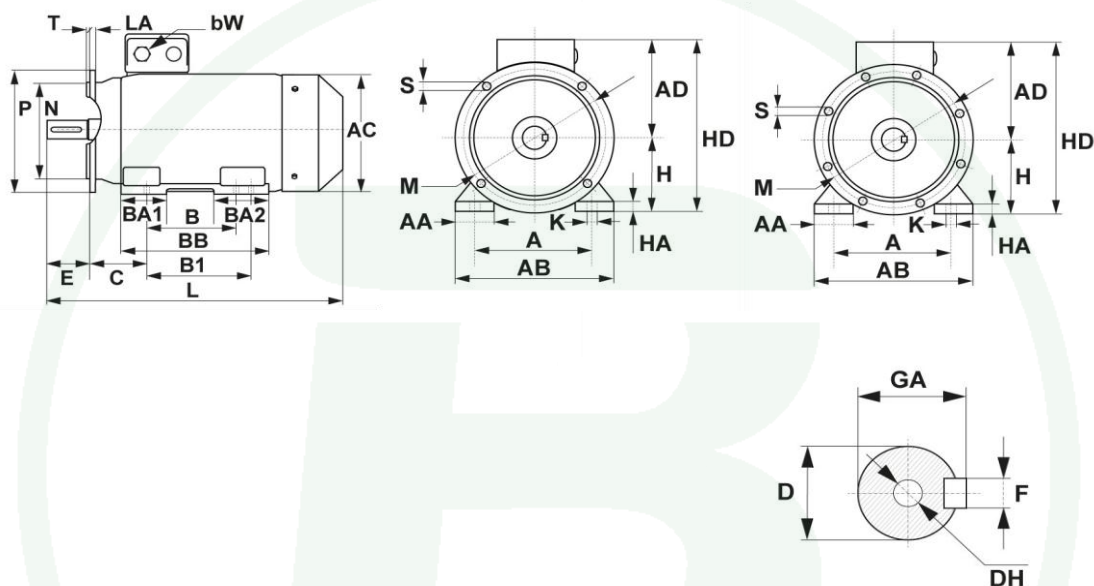
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Foot & flange mounted motor 4A3 100L2-4 B3/B5



Unit: mm

M:	215	HD:	276	E:	60
N:	180	C:	63	D:	28
P:	250	H:	100	GA:	31
S:	15	K:	12	DB:	M10x22
Sp:	4	L:	433	F:	8
A:	160	LD:			
B:	140				
B1:					
AB:	205				
	195				
AD:	170				