TECHNICAL DATASHEET

Asynchronous Motor
4A3 90L2-4

Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	2024-09-12

Nameplate Data:

Code: 123369

Type: 4A3 90L2-4

kW	Hz	V	A	Rpm	Cos
2,2	50	230D	7,8	1455	0,81
2,2	50	400Y	4,5	1455	0,81
2,6	60	460Y	4,4	1746	0,81
Eff.(100%) 50Hz	**Duty**	**IE-class**	**Amb.temp.**	**IP rating**	**Iso.class**
86,9	S1	IE3	-20° - +40°C	IP55	F/B

Nominal data S1-duty, Amb.temp 40°C:

Voltage - V:	400	Mounting form:	B5
Frequency - Hz:	50	Bearing DE:	6205 2Z C3
Power - kW:	2,2	Bearing NDE:	6205 2Z C3
Full load speed - rpm:	1455	Weight - kg:	20
Full load current - A:	4,5	Heater:	No
Full load power factor - Cos:	0,81	Th.Protection:	PTC mounted
Locked rotor current - A:	-	Kgm²:	0,00457
Locked rotor factor - A_{st}/A_n:	-	Sound press.-db(A):	59
		Cooling:	IC411
Efficiency 100% load - %:	86,9		
Efficiency 75% load - %:	87,4	**Over load/speed test:**	
Efficiency 50% load - %:	85,9	H-pot test voltage:	2000
Full load torque - Nm:	14,4	Temp rise in stator:	-
Locked rotor torque - Nm:	-		
Locked rotor torque - Nm_{st}/Nm_n:	-	Over load 160% - 15 sec	
Max. Pull out torque - Nm:	-	kW:	3,5
Max. Pull out torque. - Nm_{st}/Nm_n:	-	Hz:	50
		V:	400
Other:		A:	-
		Rpm:	-
		Over speed 125% - 2 min	
		kW:	2,2
		Hz:	63
		V:	400
		A:	-
		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]	2,2	Full load torque [Nm]	14,4
Rated speed [r/min]	1455	Tstart / Tn	-
Rated current [A]	4,5	Tmax / Tn	-
Istart / In	-	Moment of inertia [kgm^2]	0,00457
Test conditions			
Voltage [V] at 100%	400	Frequenzy [Hz] at 100%	50

Starting curves



Please note that the graphs shown above are the result of a computer simulaton.
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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Order:	
Motor:	
Serial nr:	
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Motor data

Rated output [kW]	2,2	Power factor at P_n [Cos φ]	0,81
Rated speed [r/min]	1455	Efficiency at P_n	86,9
Rated current [A]	4,5		
Istart / In	-		

Test conditions

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

Load curves



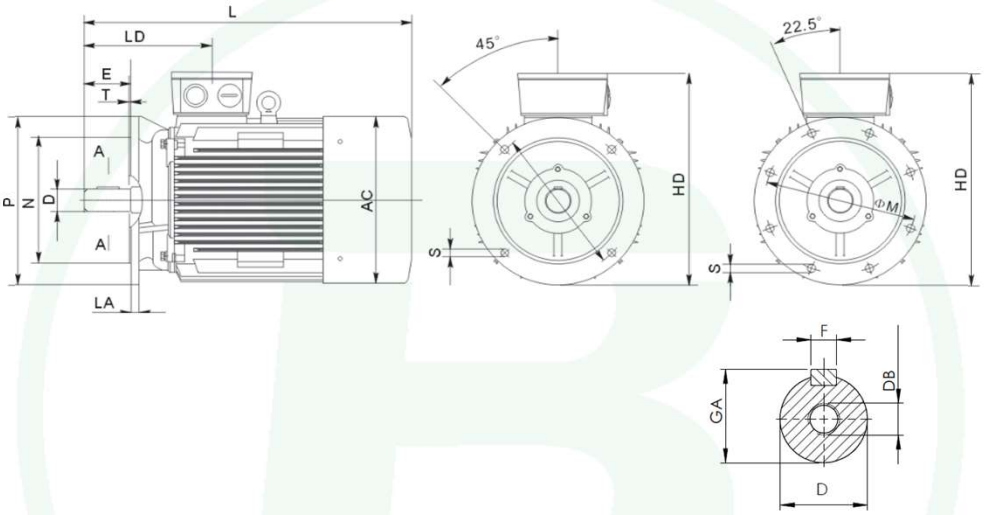
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Asynchronous Motor
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Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	2024-09-12

Flange mounted motor
4A3 90L2-4 B5



Unit: mm

M:	165	HD:	255	E:	50
N:	130	L:		D:	24
P:	200	LD:	125	GA:	27
S:	12			DB:	M8x19
				F:	8