

TECHNICAL DATASHEET

Asynchronous Motor 3D3 225M-2

Customer:	
Ref:	
Order:	
Motor:	
Serial nr:	
Date:	2026-06-11

Nameplate Data:

Code: 120615

Type: 3D3 225M-2					
kW	Hz	V	A	Rpm	Cos
45,0	50	400D	76,6	2965	0,9
45,0	50	690Y	44,4	2965	0,90
51,8	60	460D	76,6	3558	0,90
Eff.(100%) 50Hz	Duty	IE-class S1	Amb.temp °C.	IP rating	Iso.class
94,2	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:		6312 C3
Power - kW:		45,0	Bearing NDE:		6312 C3
Full load speed - rpm:		2965	Weight - kg:		345
Full load current - A:		76,6	Heater:		No
Full load power factor - Cos:		0,9	Th.Protection:		PTC mounted
Locked rotor current - A:		590	Kgm²:		0,3097
Locked rotor factor - Ast/An:		7,7	Sound press.-db(A):		86
Efficiency 100% load - %:		94,2	Cooling:		IC411
Efficiency 75% load - %:		94,1	Braking Torque:		-
Efficiency 50% load - %:		93,4	Over load/speed test:		2000
Full load torque - Nm:		145	H-pot test voltage:		2000
Locked rotor torque - Nm:		290	Temp rise in stator:		F
Locked rotor torque - Nmst/Nmn:		2,0	Over load 160% - 15 sec		
Max. Pull out torque - Nm:		435	kW:		72
Max. Pull out torque. - Nmst/Nmn:		3,0	Hz:		50
Other:			V:		400
			A:		121
			Rpm:		2940
			Over speed 125% - 2 min		
			kW:		45,0
			Hz:		63
			V:		400
			A:		74,6
			Rpm:		3706

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]	45,0	Full load torque [Nm]	145
Rated speed [r/min]	2965	Tstart / Tn	2,0
Rated current [A]	76,6	Tmax / Tn	3,0
Istart / In	7,7	Moment of inertia [kgm ²]	0,3097

Performance conditions

Voltage [V] at 100%	400	Frequency [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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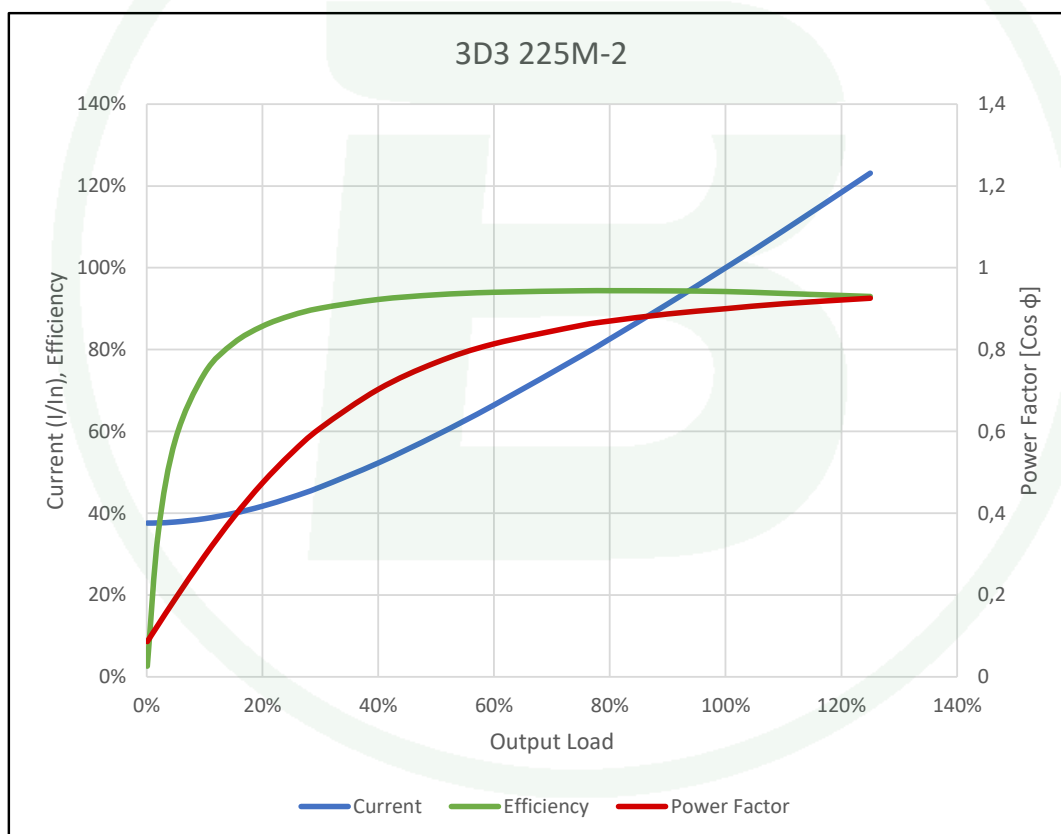
Motor data

Rated output [kW]	45,0	Power factor at P_n [Cos ϕ]	0,9
Rated speed [r/min]	2965	Efficiency at P_n	94,2
Rated current [A]	76,6		
I _{start} / I _n	7,7		

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.

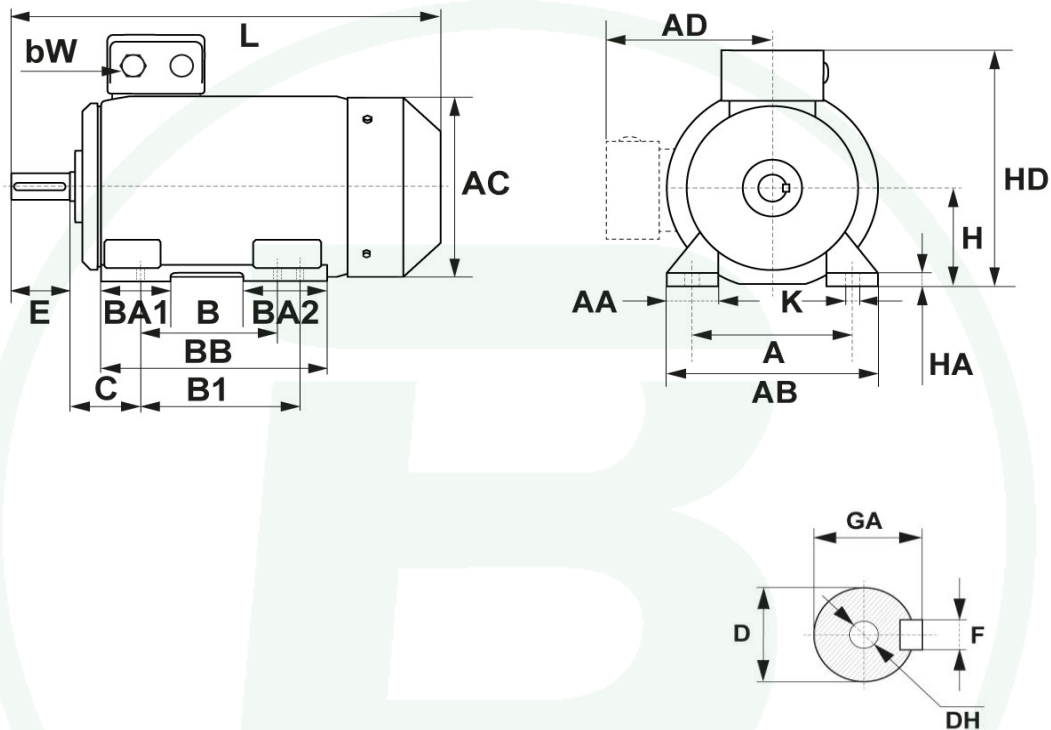
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Foot mounted motor 3D3 225M-2 B3



Unit: mm

A:	356	HD:	576	E:	110
B:	311	C:	149	D:	55
B1:		H:	225	GA:	59
AB:	431	K:	18,5	DB:	M20x42
AC:	445	L:	802	F:	16
AD:	351				
LD:					

AD: 404