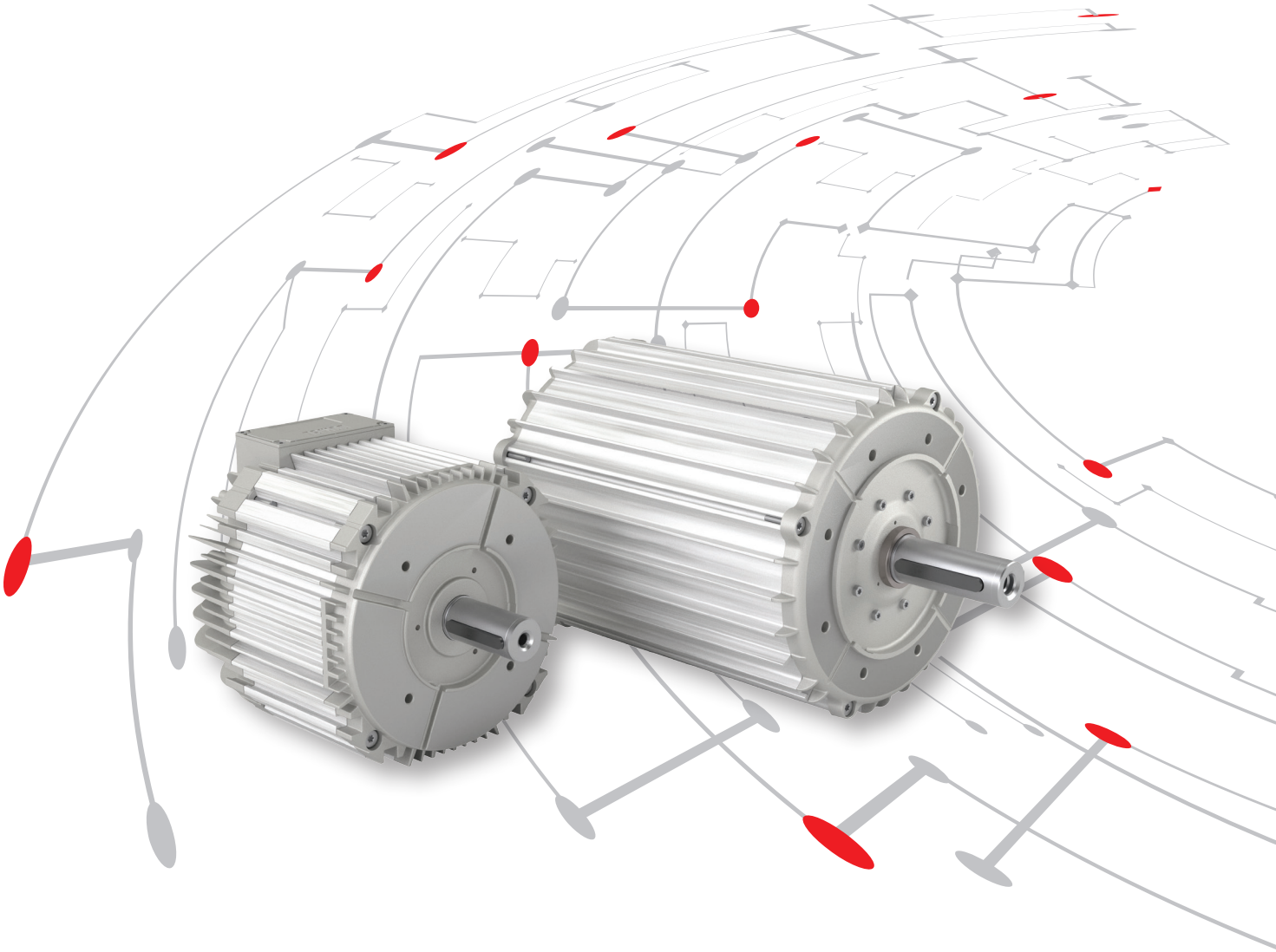
DOMEL

www.domel.com



ELECTRONICALLY COMUTATED (EC) MOTORS

PERMANENT MAGNET SYNCHRONOUS MOTORS (PMSM)

DOMEL, SLOVENIA

Domel draws its creative energy from its rich industrial tradition, and is a globally recognized developmental manufacturer and supplier of various electric motors. Through our network of representative offices, Domel is present on all of the world's leading markets and our motors are used in over 250 million appliances worldwide.

We are a developmental supplier with a clear vision and in-house development, through which we create trends and technical solutions at all levels of individual products and devices. Domel has received numerous awards from independent technical and consumer organizations, our laboratories are part of the national and international development network, we invest a great deal into social responsibility and enjoy long-standing collaboration with manufacturers in numerous branches of industry.

Our organizational structure allows us to respond flexibly to our customer's individual requirements. First-class standards are assured by our in-house quality management system, where the development phase is strongly connected to the needs of our customers. With the help of various simulation techniques we can design the right electric motor for any application. The basis of our expertise lies in our highly motivated staff, who can, by the use of modern methods and equipment, develop a state-of-the-art product.

MISSION

Domel is a socially responsible company. As a global developer and supplier of advanced solutions in the field of electric motors and components based on our own innovative technologies.

FUTURE VISION

We are global development supplier of EC systems and components and maintin a leading position as a developer in the vacuum units market.

VALUES

Creativity and ambition
Responsibility and economizing
Respect and cooperation
Customer and employee orientation
Loyalty

With Domel towards an energy-efficient future.

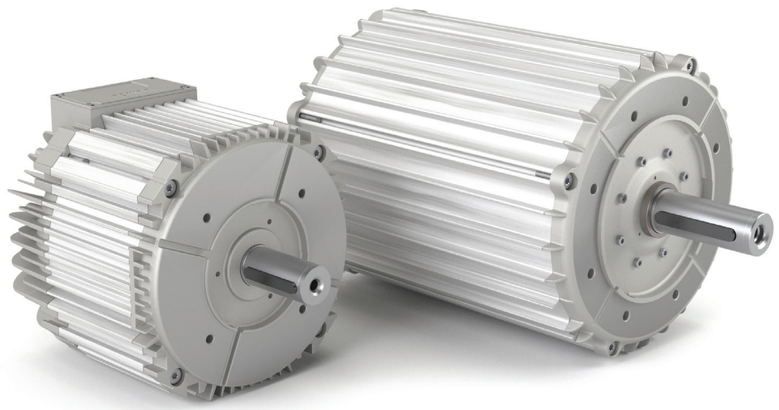
FACTS ABOUT SLOVENIA

Area: 20.273 km2 (7,827 mi2)
Population: about 2 million
Capital city: Ljubljana
Language: Slovenian
Currency: euro (EUR)
Neighboring countries: Italy, Austria, Hungary and Croatia
Calling Code: +386
Time Zone: Central European Time (CET) and Central European Summer Time (CEST) in summer

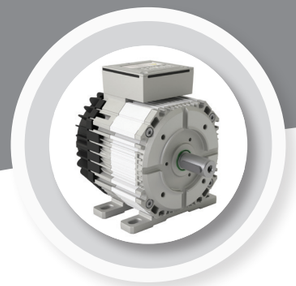
EC TECHNOLOGY

Domel has been independently developing EC motors since 1986. Over the years we have gained the knowledge and expertise of key motor technologies (stamping and molding) and enriched core R&D competences in electromagnetics, aerodynamics, acoustics, rotodynamics, power electronics, rapid prototyping and testing. With all the in-house knowhow Domel is now present in various markets where EC technology is becoming more and more noticeable.

Some of the applications where you can find Domel's EC motors are HVAC systems, gardening appliances, power tools, automotive components, white goods, vacuum cleaners, fume/smoke extraction devices, boilers, handling devices, medical and laboratory equipment, and much more … HVAC industry users are one of the leading electricity consumers. Increased awareness about energy savings lead Domel to develop highly efficient EC motors and controllers. In 2009 serial production of EC motors for HVAC systems was industrialized. When developing highly efficient EC motors, we placed considerable emphasis on the optimum use of materials, state-of-the-art technology and long-life operation. The excellence of these motors is further enhanced by their high capacity and strongly wear-resistant housing, optimal coordination between the motor and controller, and the monitoring of the rotor position without Hall sensors. They require no maintenance since, with the exception of the bearing system, they do not contain any mechanical parts which are susceptible to wear and tear. The motors are highly efficient (up to a level of approx. 96%) and have an excellent power capability. It is worth adding that EC motors are extremely compact with very short bed length.

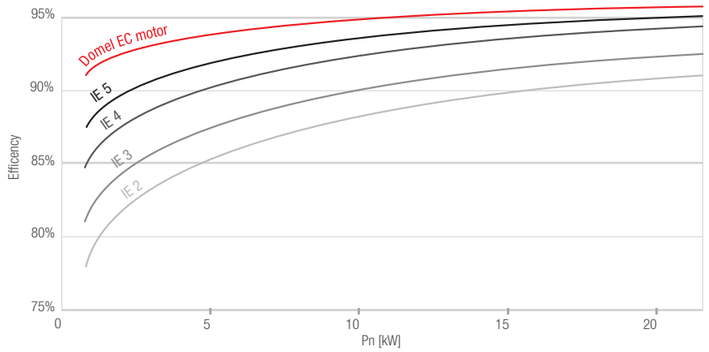


ENERGY SAVING

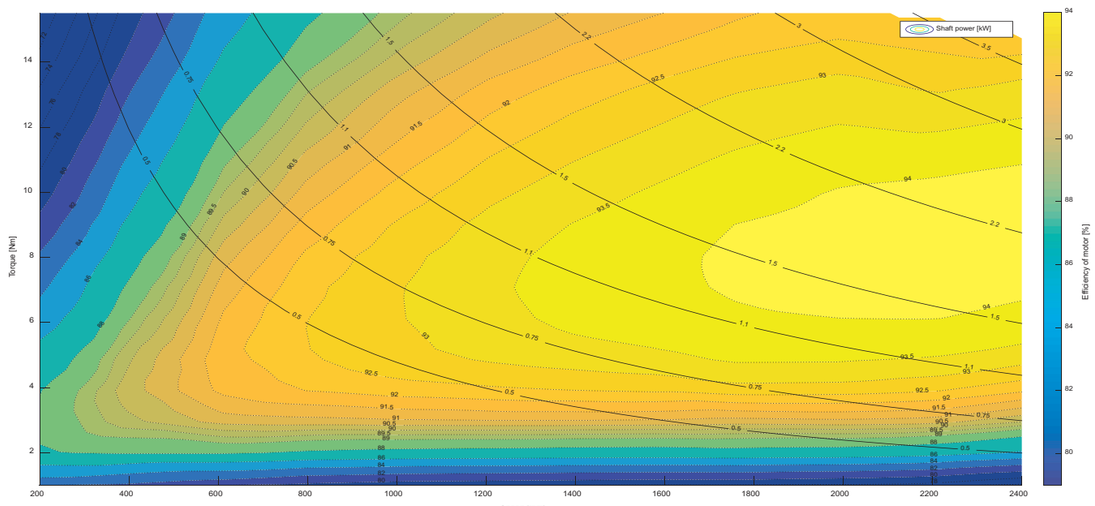


In an era of rising energy prices, concerns about reliance on gas, climate changes and environmental taxes, the awareness of the importance of the environment and energy saving has never been higher. Naturally, this trend is not only driven by increased awareness about energy saving, but also as a result of international political activities, which are becoming increasingly stringent.

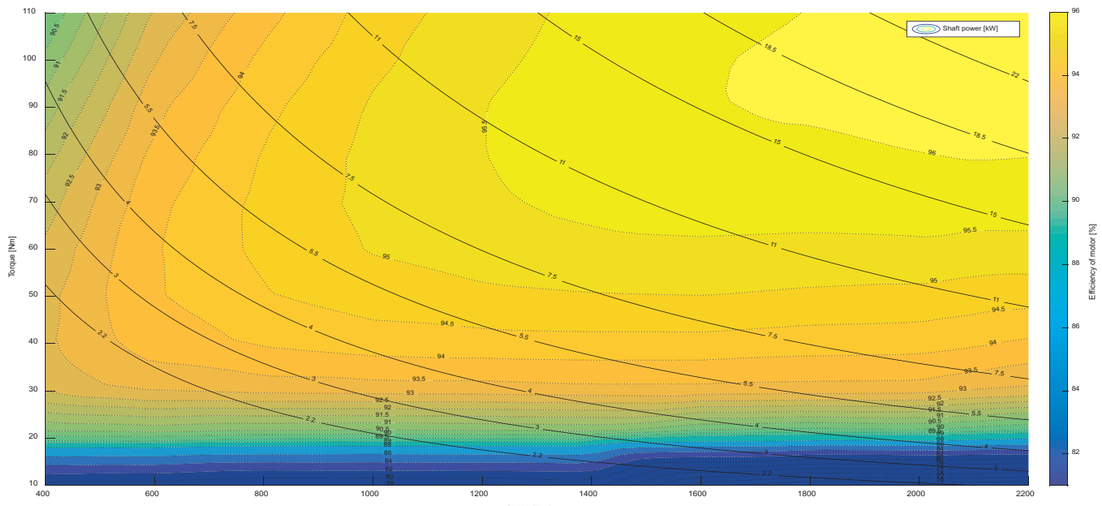
Heating, ventilation and air conditioning are among the five leading users of electricity consumption. Domel followed the trend in contributing to energy savings and, in 2009, commenced with the serial production of EC motors specifically designed for HVAC applications. These motors adhere to the regulations and directives for motor efficiency requirements and guarantee enormous energy savings and hence improved Return on Investment. The products **exceed the IE5 efficiency class** (according to IEC 60034-30-2).



Efficiency map of Outer Rotor Motor - ZZ150070S070



Efficiency map of Inner Rotor Motor - NZ270240S005



ENVIRONMENTAL CARE

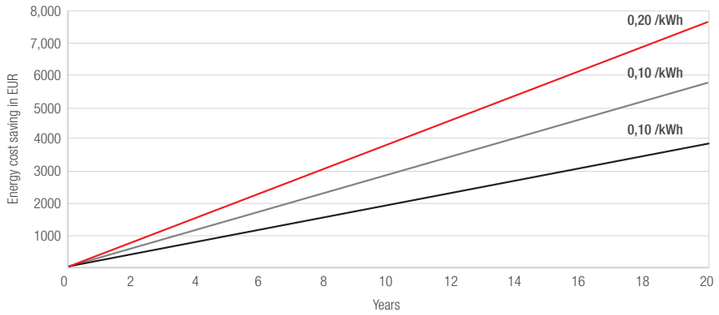
Saving environment

In comparison to standard AC motors in the IE2 efficiency class, annual production of Domel's PMS motors additionally saves more than 100 GWh of electricity each year, which is comparable to the annual supply of a medium-sized hydro power plant.

In other words, Domel annually saves about 60.000 t CO2, which is equivalent to:
- the average generated exhaust of a vehicle traveling 300 million kilometers
- 2.200 hectares of forest preserved
- 9.500 home´s electricity use.

Source: Europe´s Energy Portal (www.energy.eu), Greenhouse Gas Equivalencies Calculator (www.epa.gov/energy)

Savings in EUR for 5,5 kW motor operating 4000 hours per year in comparison to AC motor (IE2)

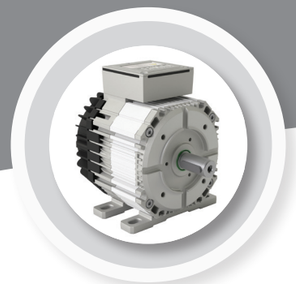


Pay attention to the lifetime operating costs

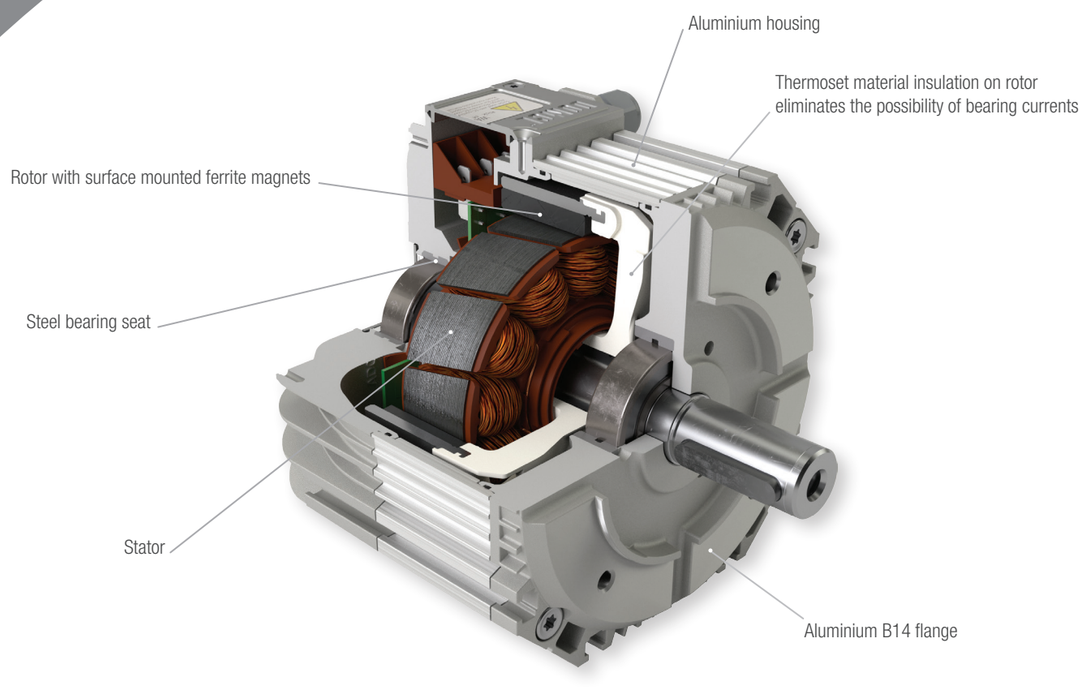
When purchasing a motor driven system, lifetime costs are of considerable importance. To only compare purchase prices is a false economy which overlooks the considerable financial benefits of the lower operating costs that may be achieved with a more efficient and quality system.

Our motors reduce operating costs by working at very high level of efficiency within a wide speed and power range. Advanced technology and state-of-the-art equipment assures highest quality and long lifetime of the product with maintenancefree operation.

OUTER ROTOR DESIGN



Outer rotor motors are available in five frame sizes: AZ 84, ZZ108, ZZ150, ZZ185 and ZZ220.



FEATURES

Torque	from 1,5 Nm to 66 Nm / from 1.0 Ft-Lb to 49 Ft-Lb
Efficiency	all motors exceed IE5 Ultra Premium efficiency class
Speed	variable nominal speeds
Supply voltage	110-115 VAC, 208-240 VAC, 380-480 VAC
Dust and humidity protection	IP54 or IP65 (with additional sealing)
Ambient temperature	between -40 °C and +40 °C* / between -40 °F and +120 °F *
Insulation class	180 (H)
Temperature rise class	80 (B)
Mounting	B14, B3
Assembly	in Slovenia (European Union); ISO 9001, ISO 14001 and ISO/TS 16949 certified
Certification	CE, UL/CSA

*Motors are available in two options – **with or without additional cooling.**
Motors without additional cooling can only be used in applications where motor is mounted into the airstream. For all other applications motor needs to be temperature tested or additional cooling is needed.

HIGHLIGHTS

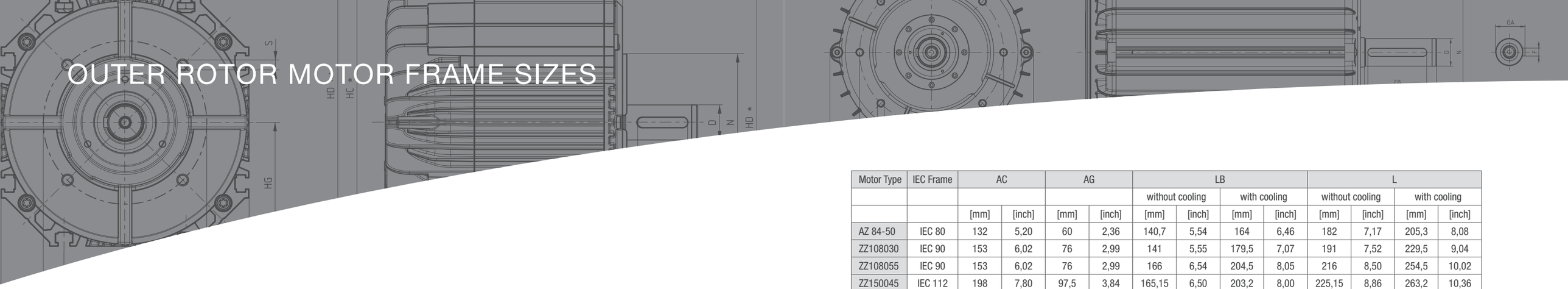
- extremely high efficiency up to 95%
- very high efficiency throughout the entire operating area
- use of non-rare earth magnets (ferrite magnets)
- highest quality with long lifetime
- maintenance-free operation
- very low noise
- low weight
- compact design
- improved Return On Investment (ROI)
- compatible with all leading controller brands

APPLICATIONS

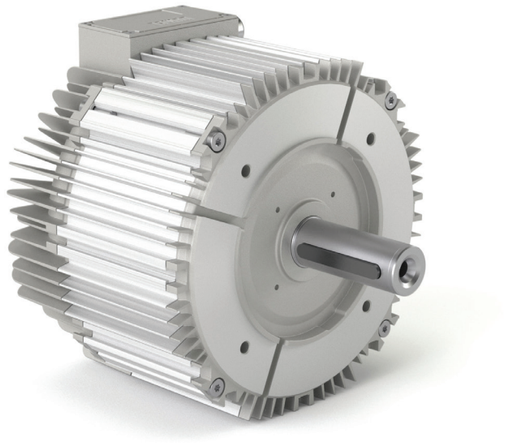
- axial fans
- plug fans
- centrifugal fans (backward or forward curved blades)
- mixed flow fans
- pumps
- compressors
- other

EC motors require a motor controller and must not be connected directly to the AC power supply.

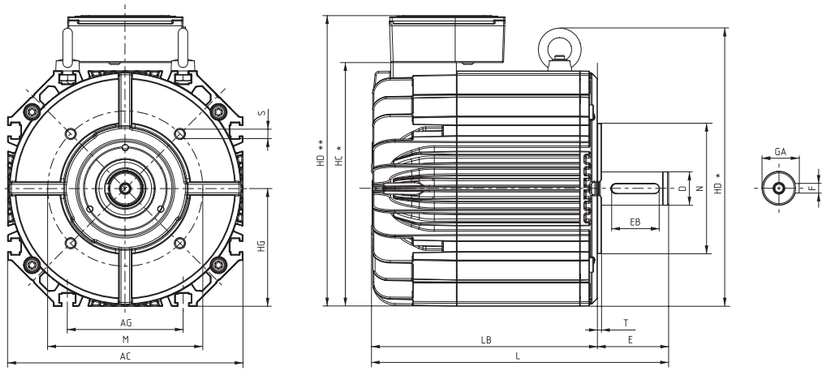
OUTER ROTOR MOTOR FRAME SIZES



Motor Type	IEC Frame	AC		AG		LB				L			
						without cooling		with cooling		without cooling		with cooling	
		[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
AZ 84-50	IEC 80	132	5,20	60	2,36	140,7	5,54	164	6,46	182	7,17	205,3	8,08
ZZ108030	IEC 90	153	6,02	76	2,99	141	5,55	179,5	7,07	191	7,52	229,5	9,04
ZZ108055	IEC 90	153	6,02	76	2,99	166	6,54	204,5	8,05	216	8,50	254,5	10,02
ZZ150045	IEC 112	198	7,80	97,5	3,84	165,15	6,50	203,2	8,00	225,15	8,86	263,2	10,36
ZZ150070	IEC 112	198	7,80	97,5	3,84	190,15	7,49	228,2	8,98	250,15	9,85	288,2	11,35
ZZ185055	IEC 132	251	9,88	144	5,67	184,2	7,25	246,2	9,69	264,2	10,40	326,2	12,84
ZZ185080	IEC 132	251	9,88	144	5,67	213,7	8,41	275,7	10,85	293,7	11,56	355,7	14,00
ZZ185110	IEC 132	251	9,88	144	5,67	243,7	9,59	305,7	12,04	323,7	12,74	385,7	15,19
ZZ220055	IEC 160	303	11,93	179	7,05	176,8	6,96	238,8	9,40	286,8	11,29	348,8	13,73
ZZ220080	IEC 160	303	11,93	179	7,05	206,3	8,12	268,3	10,56	316,3	12,45	378,3	14,89
ZZ220110	IEC 160	303	11,93	179	7,05	236,3	9,30	298,3	11,74	346,3	13,63	408,3	16,07



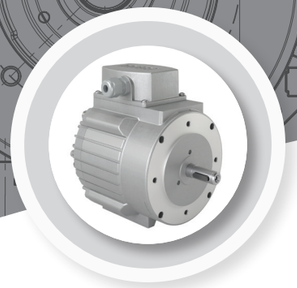
Motor Type	HG		HC *		HD*		HD **		S	M		N	
	without feet		without feet		without feet		without feet						
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]		[mm]	[inch]	[mm]	[inch]
AZ 84-50	67	2,64					169	6,65	M6 (4x)	100	3,94	80	3,15
									M8 (4x)	115	4,53		
ZZ108030	76,5	3,01	161,5	6,36	189	7,44	198,2	7,80	M8 (4x)	115	4,53	95	3,74
ZZ108055	76,5	3,01	161,5	6,36	189	7,44	197,5	7,78	M8 (4x)	115	4,53	95	3,74
ZZ150045	99	3,90	208,5	8,21	234	9,21	244,5	9,63	M8 (4x)	130	5,12	110	4,33
ZZ150070	99	3,90	208,5	8,21	234	9,21	244,5	9,63	M8 (4x)	130	5,12	110	4,33
ZZ185055	125,5	4,94	261	10,28	276,5	10,89			M10 (4x)	165	6,50	130	5,12
ZZ185080	125,5	4,94	261	10,28	276,5	10,89			M10 (4x)	165	6,50	130	5,12
ZZ185110	125,5	4,94	261	10,28	276,5	10,89			M10 (4x)	165	6,50	130	5,12
ZZ220055	151,5	5,96	316,6	12,46	311,5	12,26			M12 (4x)	215	8,46	180	7,09
ZZ220080	151,5	5,96	316,6	12,46	311,5	12,26			M12 (4x)	215	8,46	180	7,09
ZZ220110	151,5	5,96	316,6	12,46	311,5	12,26			M12 (4x)	215	8,46	180	7,09

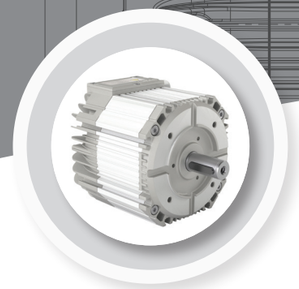


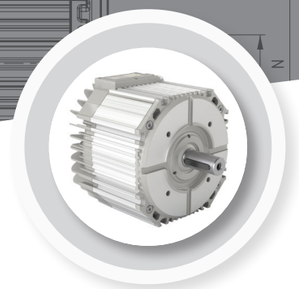
Motor Type	T		D		E		EB		F		GA	
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
AZ 84-50	3	0,12	14	0,55	30	1,18	20	0,79	5	0,20	16	0,63
ZZ108030	3	0,12	24	0,94	50	1,97	40	1,57	8	0,31	27	1,06
ZZ108055	3	0,12	24	0,94	50	1,97	40	1,57	8	0,31	27	1,06
ZZ150045	3,5	0,14	28	1,10	60	2,36	50	1,97	8	0,31	31	1,22
ZZ150070	3,5	0,14	28	1,10	60	2,36	50	1,97	8	0,31	31	1,22
ZZ185055	3,5	0,14	38	1,50	80	3,15	70	2,76	10	0,39	41	1,61
ZZ185080	3,5	0,14	38	1,50	80	3,15	70	2,76	10	0,39	41	1,61
ZZ185110	3,5	0,14	38	1,50	80	3,15	70	2,76	10	0,39	41	1,61
ZZ220055	4	0,16	42	1,65	110	4,33	90	3,54	12	0,47	45	1,77
ZZ220080	4	0,16	42	1,65	110	4,33	90	3,54	12	0,47	45	1,77
ZZ220110	4	0,16	42	1,65	110	4,33	90	3,54	12	0,47	45	1,77

* At motors without terminal box
** At motors with terminal box
Dimensions are in mm.

MOTOR´S POWER AND SPEED



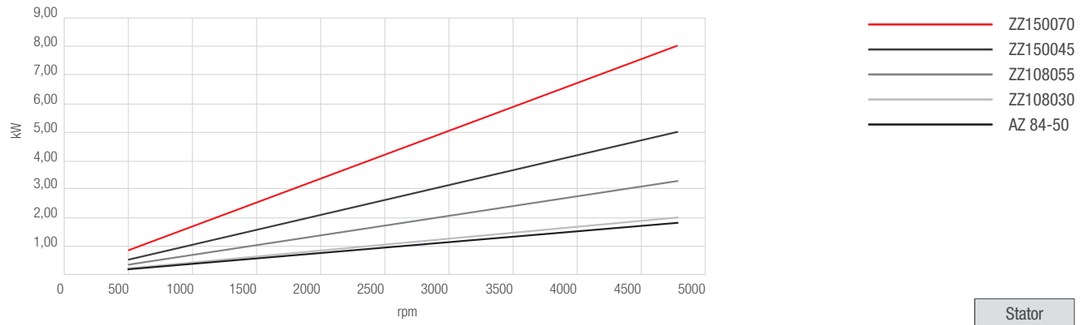




AZ 84, ZZ108, ZZ150

Maximal powers of motors AZ 84, ZZ108 and ZZ150

Maximum speed depends on maximum output frequency of the controller (VFD). Speed curves presented in the graph apply to maximum output frequency 400 Hz.



AZ 84

		Stator height -XX
	Torque [Nm]	3
	Torque [Ft-Lb]	2,2

	Motor type	Rated power [kW]	Rated power [HP]	Motor Current [A]	Rated speed [min-1]
230 VAC	AZ 84-XX-S140A	0,4	0,5	1,6	1300
	AZ 84-XX-S105A	0,5	0,7	2,2	1730
	AZ 84-XX-D140A	0,7	0,9	2,8	2250
	AZ 84-XX-D120A	0,8	1,1	3,3	2650
	AZ 84-XX-D105A	0,9	1,2	3,8	3000
	AZ 84-XX-D085A	1,2	1,6	4,7	3720
	AZ 84-XX-D070A	1,4	1,9	5,7	4480
400 VAC	AZ 84-XX-S140A	0,7	0,9	1,6	2250
	AZ 84-XX-S120A	0,8	1,1	1,9	2650
	AZ 84-XX-S105A	0,9	1,2	2,2	3000
	AZ 84-XX-S085A	1,2	1,6	2,7	3720
	AZ 84-XX-S070A	1,4	1,9	3,3	4480
	Motor mass [kg]*				4,9
	Motor mass [Lbs]*				11

* Motor mass may vary due to additional construction differences between motors.

*Graphs present maximal curves for different motor sizes. Different motor possiblities are presented in the table. Data is informative and is subject to change without prior notice.

ZZ108

		Stator height - XXX	
		030	055
	Torque [Nm]	4	6,5
	Torque [Ft-Lb]	3	4,8

	Motor type	Rated power [kW]	Rated power [HP]	Motor Current [A]	Rated speed [min-1]	
230 VAC	ZZ108XXXS160	0,55	0,7	2,1	1310	810
	ZZ108XXXS120	0,75	1	2,8	1790	1100
	ZZ108XXXD090	1,5	2	6,4	3580	2200
	ZZ108XXXD060	2,2	2,9	9,7	5250	3230
400 VAC	ZZ108XXXS160	0,75	1	2,1	1790	1100
	ZZ108XXXS090	1,5	2	3,7	3580	2200
	ZZ108XXXS060	2,2	2,9	5,6	5250	3230
	ZZ108XXXD080	3	4	7,2	/	4410
	Motor mass [kg]*				6,5	8,6
	Motor mass [Lbs]*				14	19

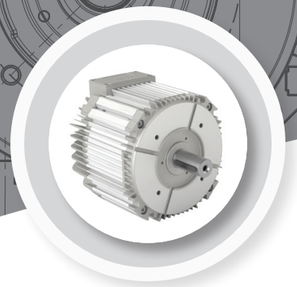
ZZ150

		Stator height - XXX	
		045	070
	Torque [Nm]	10	16
	Torque [Ft-Lb]	7	12

	Motor type	Rated power [kW]	Rated power [HP]	Motor Current [A]	Rated speed [min-1]	
230 VAC	ZZ150XXXD180	1,1	1,5	4,5	1050	660
	ZZ150XXXD120	1,5	2	6,6	1430	900
	ZZ150XXXD085	2,2	2,9	9,4	2100	1310
	ZZ150XXXD065	3	4	12,3	2860	1790
400 VAC	ZZ150XXXS180	1,1	1,5	2,6	1050	660
	ZZ150XXXS120	1,5	2	3,8	1430	900
	ZZ150XXXS085	2,2	2,9	5,4	2100	1310
	ZZ150XXXS065	3	4	7,1	2860	1790
	ZZ150XXXD080	4	5	10	3820	2390
	ZZ150XXXD060	5,5	7,5	13	5250	3280
	Motor mass [kg]*				13,5	17
	Motor mass [Lbs]*				30	37

* Motor mass may vary due to additional construction differences between motors.

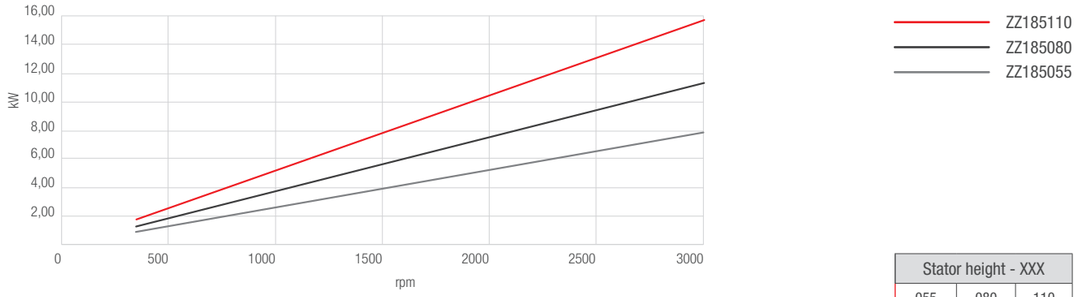
MOTOR´S POWER AND SPEED



ZZ185

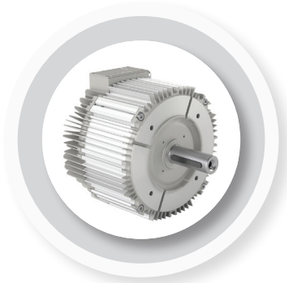
Maximal powers of motors ZZ185

Maximum speed depends on maximum output frequency of the controller (VFD). Speed curves presented in the graph apply to maximum output frequency 400 Hz.



ZZ185				Stator height - XXX		
				055	080	110
			Torque [Nm]	25	36	50
			Torque [Ft-Lb]	18	27	37
	Motor type	Rated power [kW]	Rated power [HP]	Motor Current [A]	Rated speed [min-1]		
230 VAC	ZZ185XXXD090	2,5	3	9,8	950	660	480
	ZZ185XXXD070	3	4	12,5	1150	800	570
	ZZ185XXXD055	4	5	16,1	1530	1060	760
	ZZ185XXXD040	5,5	8	22,1	2100	1460	1050
	ZZ185XXXD030	7,5	10	29,5	2860	1990	1430
400 VAC	ZZ185XXXS090	2,5	3	5,7	950	660	480
	ZZ185XXXS070	3	4	7,2	1150	800	570
	ZZ185XXXS055	4	5	9,3	1530	1060	760
	ZZ185XXXS040	5,5	8	12,8	2100	1460	1050
	ZZ185XXXS030	7,5	10	17	2860	1990	1430
	ZZ185XXXD035	11	15	24	/	2920	2100
460 VAC	ZZ185XXXS100	2,5	3	5,1	950	660	480
	ZZ185XXXS085	3	4	6	1150	800	570
	ZZ185XXXS065	4	5	7,9	1530	1060	760
	ZZ185XXXS045	5,5	8	11,4	2100	1460	1050
	ZZ185XXXS035	7,5	10	14,6	2860	1990	1430
	ZZ185XXXD040	11	15	22,1	/	2920	2100
	Motor mass [kg]*				24	29	35
	Motor mass [Lbs]*				53	64	77

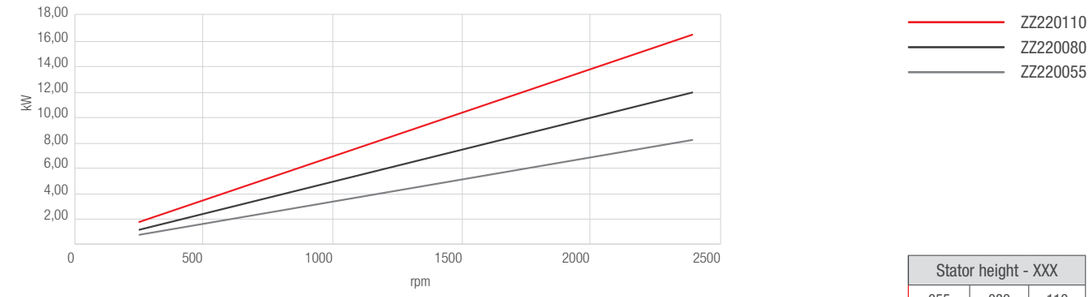
* Motor mass may vary due to additional construction differences between motors.



ZZ220

Maximal powers of motors ZZ220

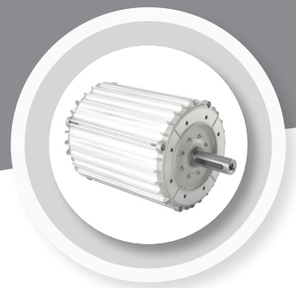
Maximum speed depends on maximum output frequency of the controller (VFD). Speed curves presented in the graph apply to maximum output frequency 400 Hz.

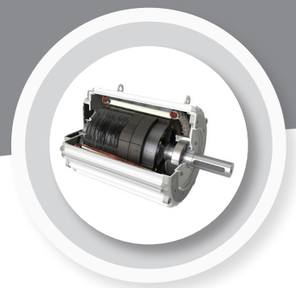


ZZ220				Stator height - XXX		
				055	080	110
			Torque [Nm]	33	48	66
			Torque [Ft-Lb]	24	35	49
	Motor type	Rated power [kW]	Rated power [HP]	Motor Current [A]	Rated speed [min-1]		
230 VAC	ZZ220XXXD075	2,5	3	9,9	720	500	360
	ZZ220XXXD060	3	4	12,4	870	600	430
	ZZ220XXXD045	4	5	15,6	1160	800	580
	ZZ220XXXD035	5,5	8	21,2	1590	1090	800
	ZZ220XXXP050	7,5	10	29,7	2170	1490	1090
400 VAC	ZZ220XXXS060	3	4	7,2	870	600	430
	ZZ220XXXS045	4	5	9,5	1160	800	580
	ZZ220XXXS035	5,5	8	12,3	1590	1090	800
	ZZ220XXXD045	7,5	10	16,5	2170	1490	1090
	ZZ220XXXZ035	11	15	24,5	3180	2190	1590
	ZZ220XXXP045	15	20	33	/	2980	2170
460 VAC	ZZ220XXXS070	3	4	6,1	870	600	430
	ZZ220XXXS055	4	5	7,8	1160	800	580
	ZZ220XXXS040	5,5	8	10,7	1590	1090	800
	ZZ220XXXS060	7,5	10	14,3	2170	1490	1090
	ZZ220XXXD034	11	15	21,9	3180	2190	1590
	ZZ220XXXP050	15	20	29,7	/	2980	2170
	Motor mass [kg]*				27	34	40
	Motor mass [Lbs]*				60	75	88

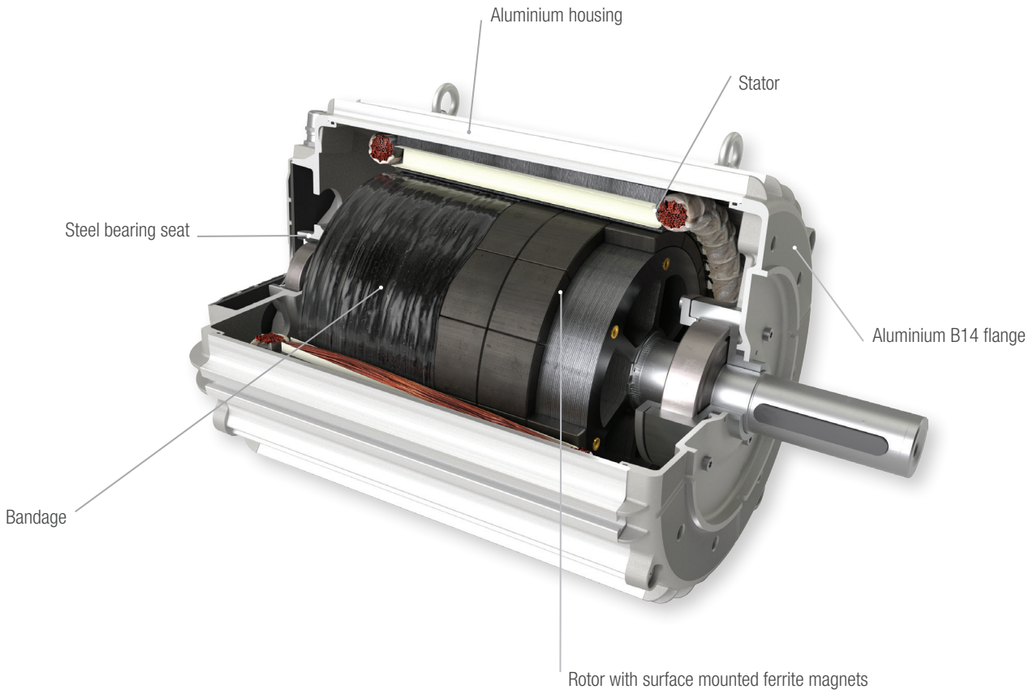
* Motor mass may vary due to additional construction differences between motors.

INNER ROTOR DESIGN





Inner rotor motors are available in one frame size: **NZ270.**



FEATURES

Torque	from 40 Nm to 140 Nm / from 30 Ft-Lb to 103 Ft-Lb
Efficiency	all motors exceed IE5 Ultra Premium efficiency class
Speed	variable nominal speeds
Supply voltage	208-240 VAC, 380-480 VAC, 500-600 VAC
Dust and humidity protection	IP54 or IP65 (with additional sealing)
Ambient temperature	between -40 °C and + 40 °C * / between -40 °F and 104 °F*
Insulation class	155 (F)
Temperature rise class	80 (B)
Mounting	B14
Assembly	in Slovenia (European Union); ISO 9001, ISO 14001 and ISO/TS 16949 certified
Certification	CE, UL/CSA

*Motors are available in two options – **with or without additional cooling.**
Motors without additional cooling can only be used in applications where motor is mounted into the airstream. For all other applications motor needs to be temperature tested or additional cooling is needed.

EC motors require a motor controller and must not be connected directly to the AC power supply.

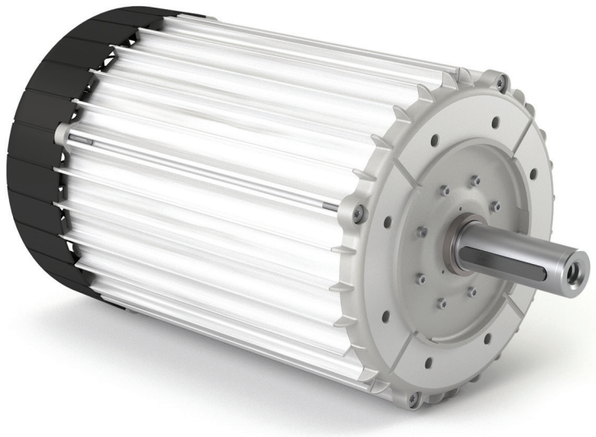
HIGHLIGHTS

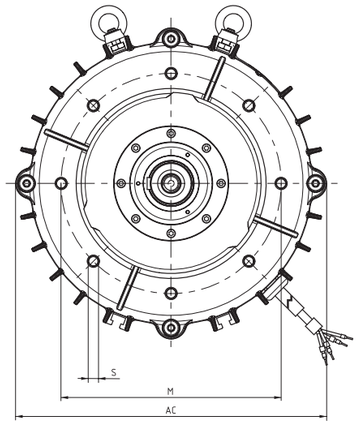
- extremely high efficiency up to 96%
- very high efficiency throughout the entire operating area
- use of non-rare earth magnets (ferrite magnets)
- highest quality with long lifetime
- maintenance-free operation
- very low noise
- low weight
- compact design
- improved Return On Investment (ROI)
- compatible with all leading controller brands

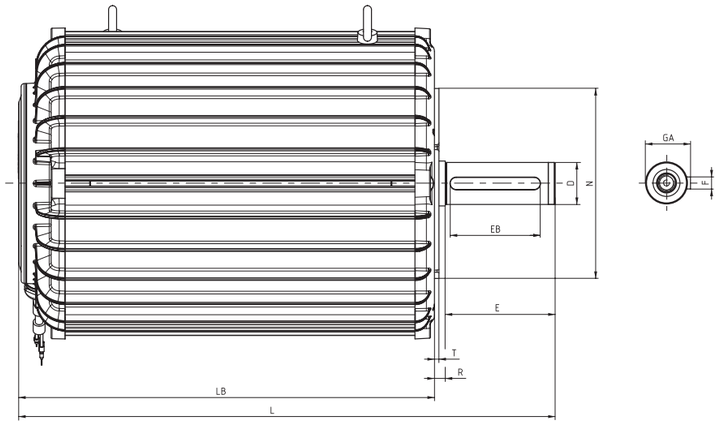
APPLICATIONS

- axial fans
- plug fans
- centrifugal fans (backward or forward curved blades)
- mixed flow fans
- pumps
- compressors
- other

INNER ROTOR MOTOR FRAME SIZES WITH B14 FLANGE MOUNTING







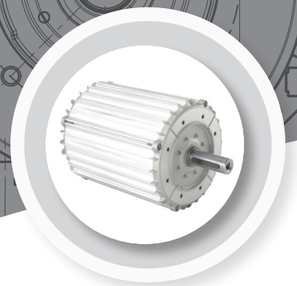
Motor Type	AC		LB				L			
			without cooling		with cooling		without cooling		with cooling	
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
NZ270080	311	12,24	256	10,08	311,30	12,26	326,3	12,85	381,6	15,02
NZ270120	311	12,24	296	11,65	351,30	13,83	366,3	14,42	421,6	16,60
NZ270160	311	12,24	336	13,23	391,30	15,41	456,5	17,97	511,8	20,15
NZ270200	311	12,24	376	14,80	431,30	16,98	496,5	19,55	551,8	21,72
NZ270240	311	12,24	416	16,38	471,30	18,56	536,5	21,12	591,8	23,30
NZ270280	311	12,24	456	17,95	511,30	20,13	576,5	22,70	631,8	24,87

Motor Type	S	M		N		T		R	
		[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
NZ270080	M12 (8x)	220	8,66	190	7,48	4,5	0,18	10,3	0,41
NZ270120	M12 (8x)	220	8,66	190	7,48	4,5	0,18	10,3	0,41
NZ270160	M12 (8x)	220	8,66	190	7,48	4,5	0,18	10,5	0,41
NZ270200	M12 (8x)	220	8,66	190	7,48	4,5	0,18	10,5	0,41
NZ270240	M12 (8x)	220	8,66	190	7,48	4,5	0,18	10,5	0,41
NZ270280	M12 (8x)	220	8,66	190	7,48	4,5	0,18	10,5	0,41

Motor Type	D		E		EB		F		GA	
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
NZ270080	28	1,10	60	2,36	36	1,42	8	0,31	31	1,22
NZ270120	28	1,10	60	2,36	36	1,42	8	0,31	31	1,22
NZ270160	42	1,65	110	4,33	90	3,54	12	0,47	45	1,77
NZ270200	42	1,65	110	4,33	90	3,54	12	0,47	45	1,77
NZ270240	42	1,65	110	4,33	90	3,54	12	0,47	45	1,77
NZ270280	42	1,65	110	4,33	90	3,54	12	0,47	45	1,77

Dimensions are in mm.

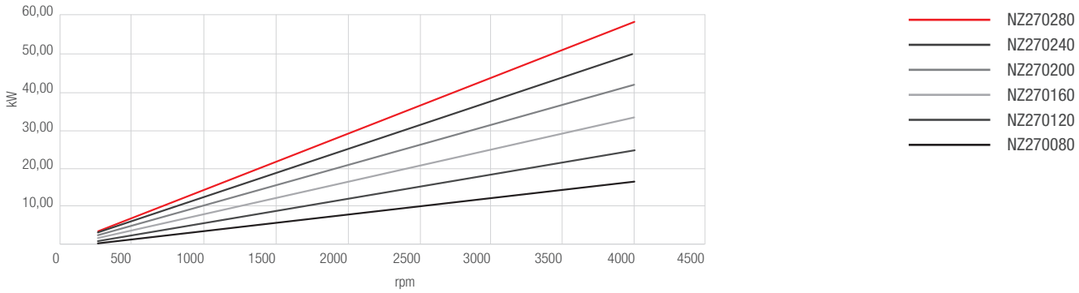
MOTOR´S POWER AND SPEED



NZ270

Maximal powers of motors NZ270

Maximum speed depends on maximum output frequency of the controller (VFD). Speed curves presented in the graph apply to maximum output frequency 400 Hz.



*Graphs present maximal curves for different motor sizes. Different motor possiblities are presented in the table. Data is informative and is subject to change without prior notice.

NZ270

				Stator height - XXX					
				080	120	160	200	240	280
			Torque [Nm]	40	60	80	100	120	140
			Torque [Ft-Lb]	30	44	59	74	89	103
	Motor type	Rated power		Motor Current	Rated speed				
		[kW]	[HP]	[A]	[min-1]				
230 VAC	NZ270XXXS018	4	5	14,3	950	640	480	380	320	270
	NZ270XXXS013	5,5	7,5	19,8	1310	880	660	530	440	380
	NZ270XXXS010	7,5	10	25,7	1790	1190	900	720	600	510
	NZ270XXXS007	11	15	36,8	2630	1750	1310	1050	880	750
	NZ270XXXS005	15	22	51,5	3580	2390	1790	1430	1190	1020
400 VAC	NZ270XXXS031	4	5	8,3	950	640	480	380	320	270
	NZ270XXXS023	5,5	7,5	11,2	1310	880	660	530	440	380
	NZ270XXXS017	7,5	10	15,1	1790	1190	900	720	600	510
	NZ270XXXS011	11	15	23,4	2630	1750	1310	1050	880	750
	NZ270XXXS009	15	22	28,6	3580	2390	1790	1430	1190	1020
	NZ270XXXS007	18,5	25	36,8	4420	2940	2210	1770	1470	1260
	NZ270XXXS006	22	30	42,9	/	3500	2630	2100	1750	1500
	NZ270XXXS005	30	40	51,5	/	4770	3580	2860	2390	2050
460 VAC	NZ270XXXS037	4	5	7	950	640	480	380	320	270
	NZ270XXXS027	5,5	7,5	9,2	1310	880	660	530	440	380
	NZ270XXXS020	7,5	10	12,9	1790	1190	900	720	600	510
	NZ270XXXS013	11	15	19,8	2630	1750	1310	1050	880	750
	NZ270XXXS010	15	22	25,7	3580	2390	1790	1430	1190	1020
	NZ270XXXS008	18,5	25	32,2	4420	2940	2210	1770	1470	1260
	NZ270XXXS007	22	30	36,8	/	3500	2630	2100	1750	1500
	NZ270XXXS005	30	40	51,5	/	4770	3580	2860	2390	2050
575 VAC	NZ270XXXS046	4	5	5,6	950	640	480	380	320	270
	NZ270XXXS031	5,5	7,5	8,3	1310	880	660	530	440	380
	NZ270XXXS024	7,5	10	10,7	1790	1190	900	720	600	510
	NZ270XXXS017	11	15	15,1	2630	1750	1310	1050	880	750
	NZ270XXXS013	15	22	19,8	3580	2390	1790	1430	1190	1020
	NZ270XXXS010	18,5	25	25,7	4420	2940	2210	1770	1470	1260
	NZ270XXXS008	22	30	32,2	/	3500	2630	2100	1750	1500
	NZ270XXXS006	30	40	42,9	/	4770	3580	2860	2390	2050
	NZ270XXXS005	37	50	51,5	/	/	4420	3530	2940	2520
	Motor mass [kg]*				38	51	66	80	92	110
	Motor mass [Lbs]*				84	112	146	176	203	243

* Motor mass may vary due to additional construction differences between motors.

Headquarters and locations

Headquarter

Domel, Otoki, Železniki, Slovenia
- Vacuum cleaner Motors
- Automotive
- PM Motors

Locations

Na Plavžu, Železniki, Slovenia
- EC Systems
- Laboratory equipment

Trata, Škofja Loka, Slovenia
- Components and Tools

Reteče, Škofja Loka, Slovenia
- DC Motors
- PM Motors

Domel Electric Motors Suzhou, China
- Vacuum cleaner Motors

Domel motors Odžaci, Serbia
- Vacuum cleaner Motors

DOMEL 75 YEARS OF TRADITION AND SUCCESS

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