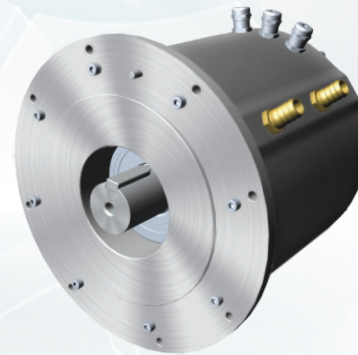


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**RANGE OF BULGARIAN  
POWER DRIVE MOTORS FOR  
ELECTRIC VEHICLES**



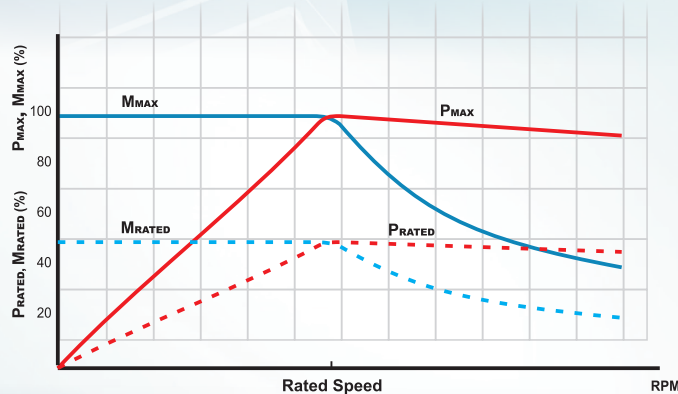
**series** AL140 / AL180  
AL180+ / AL225 / AL225+

# Brushless DC motors series AL140 AL180, AL180+, AL225, AL225+



- ▶ Pioneering winding structure, reducing to minimum the Fuko losses;
- ▶ Innovative technological decisions, improving overall performance (COP), energy efficiency and  $\cos \varphi$ , increasing stability of permanent magnets;
- ▶ Competitive price

Almott designed motors are manufactured to endure the requirements of the future to the electric vehicles. Our main task is going forward to find the opportunity to contribute our knowledge, our expertise and our own designed products to the green life future that satisfy ever higher Customer requirements. To achieve this purpose we build wider range of electric motors for electric vehicles.



Item	Battery V	Max torque Nm	Rated torque Nm	Max power kW	Rated power kW	L mm	D mm	Max speed RPM	Rated speed RPM	efficiency %	mass kg	protection	Liquid cooling L/min	
series AL140	AL140LLL	300	315	145	200	90	380	170	12000	6000	93	38	IP 67	20
	AL140LL	240	250	115	160	70	330	170	12000	6000	93	30	IP 67	16
	AL140L	180	180	85	120	50	280	170	12000	6000	93	24	IP 67	12
	AL140S	120	125	55	90	35	220	170	12000	6000	93	18	IP 67	8
	AL140SS	60	65	28	45	17	170	170	12000	6000	93	12	IP 67	5
series AL180	AL180LLL	375	690	300	210	95	380	222	8000	3000	94	59	IP 67	25
	AL180LL	300	550	240	170	75	330	222	8000	3000	94	47	IP 67	20
	AL180L	225	400	180	120	55	280	222	8000	3000	94	37	IP 67	15
	AL180S	150	280	120	80	37	220	222	8000	3000	94	25	IP 67	10
	AL180SS	75	150	60	45	19	170	222	8000	3000	94	15	IP 67	7
series AL180+	AL180LLL+	500	620	300	300	140	380	222	8000	4500	94	59	IP 67	25
	AL180LL+	400	500	240	248	110	330	222	8000	4500	94	47	IP 67	20
	AL180L+	300	300	180	170	80	280	222	8000	4500	94	37	IP 67	15
	AL180S+	200	270	120	120	55	220	222	8000	4500	94	25	IP 67	10
	AL180SS+	100	140	60	60	25	170	222	8000	4500	94	15	IP 67	7
series AL225	AL225LLL	800	1000	450	275	135	380	255	6000	3000	94	76	IP 67	25
	AL225LL	700	800	360	220	110	330	255	6000	3000	94	61	IP 67	20
	AL225L	525	550	280	170	85	280	255	6000	3000	94	49	IP 67	15
	AL225S	350	400	190	120	55	220	255	6000	3000	94	37	IP 67	10
	AL225SS	175	200	95	60	28	170	255	6000	3000	94	25	IP 67	7
series AL225+	AL225LLL+	800	1000	450	340	180	380	255	8000	4000	94	76	IP 67	25
	AL225LL+	700	800	360	250	140	330	255	8000	4000	94	61	IP 67	20
	AL225L+	525	550	280	190	105	280	255	8000	4000	94	49	IP 67	15
	AL225S+	350	400	190	130	70	220	255	8000	4000	94	37	IP 67	10
	AL225SS+	175	200	95	75	35	170	255	8000	4000	94	25	IP 67	7

## MOUNTING DIMENSIONS ON CUSTOMER REQUEST

