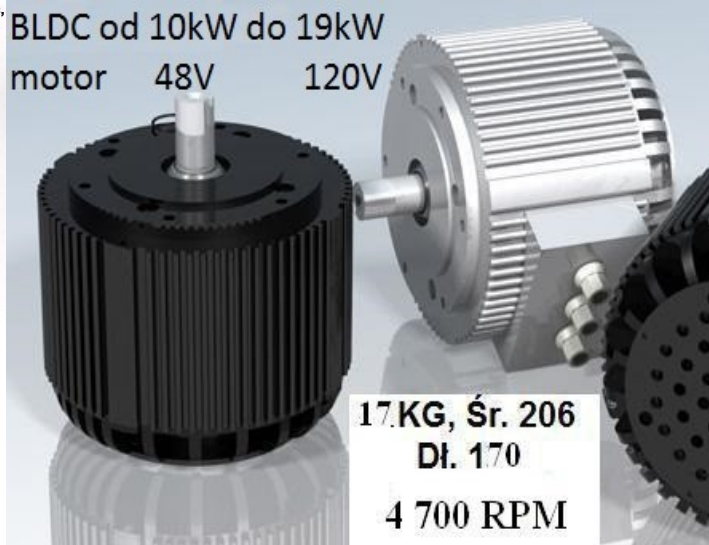


Electric Car Motor

BLDC, 48V-120Vdc,
Liquid Cooling

BLDC od 10kW do 19kW
motor 48V 120V



17 KG, Śr. 206
Dł. 170
4 700 RPM

KEB 19 kW 120V data	Current [A]	Power In [kW]	Power Out [kW]	Torque [Nm]	Rotation [RPM]	Efficiency [%]
No_Load	14,8	1,77	0,13	0,23	5 493	7,6
Max_Efficiency	128,3	15,36	13,28	25,7	4 938	86,4
Max_Power	188,6	22,64	19,12	38,5	4 740	84,7
KEB 15 kW 72V data	Current [A]	Power In [kW]	Power Out [kW]	Torque [Nm]	Rotation [RPM]	Efficiency [%]
No_Load	17,3	1,24	0,35	0,57	5 840	28,1
Max_Efficiency	153,1	11,04	9,63	17,6	5 240	87,2
Max_Power	258,5	18,37	15,24	30,6	4 760	83
KEB 10 kW 48V data	Current [A]	Power In [kW]	Power Out [kW]	Torque [Nm]	Rotation [RPM]	Efficiency [%]
No_Load	16,4	0,79	0,23	0,57	3 930	29,6
Max_Efficiency	128,3	6,18	5,5	14,6	3 620	89,2
Max_Power	254,1	11,57	10	29	3 300	86,5

KEB 10kW BLDC motors are available in 2 options:

KEB 10kW L – liquid cooling (-chłodzony cieczą)

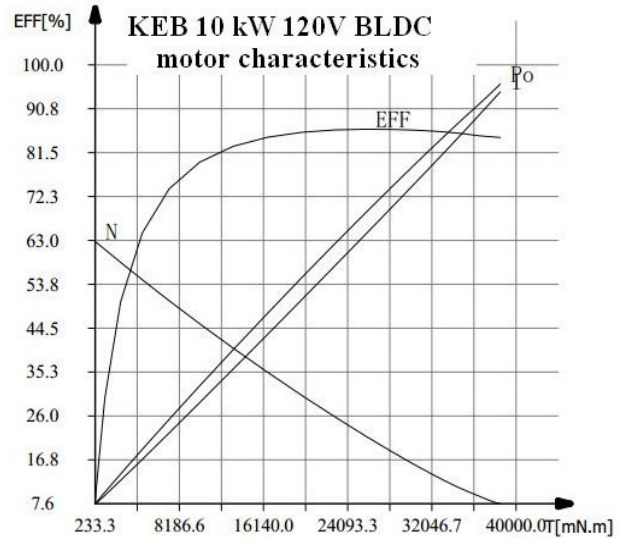
KEB 10kW A – air cooling (-chłodzony powietrzem)

and in 3 voltage subtypes: 120V, 72V and 48V.



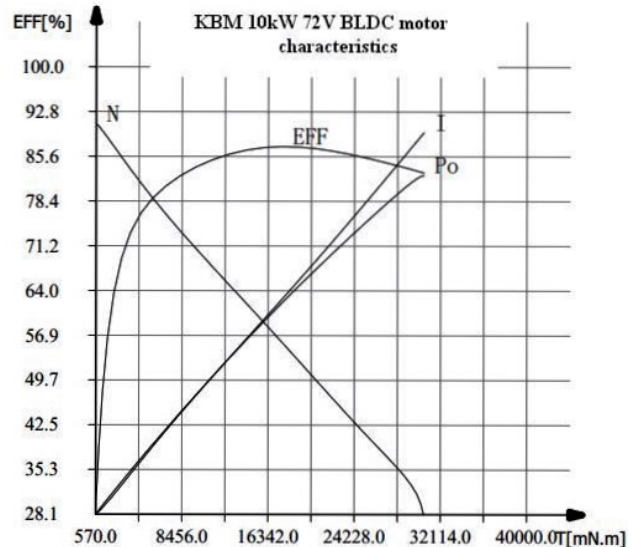
120V

U[V]	I[A]	Pin[W]	PF[.]	N[rpm]	Pout[W]	EFF[%]
200.00	200.000	30000.00	1.00	6000	20000.00	100.0
191.97	181.481	27177.44	0.90	5874	18013.42	90.8
183.94	162.962	24354.88	0.80	5749	16026.84	81.5
175.91	144.443	21532.32	0.70	5623	14040.26	72.3
167.88	125.924	18709.76	0.60	5498	12053.68	63.0
159.85	107.405	15887.20	0.50	5372	10067.11	53.8
151.81	88.886	13064.63	0.40	5246	8080.53	44.5
143.78	70.367	10242.07	0.30	5121	6093.95	35.3
135.75	51.848	7419.51	0.20	4995	4107.37	26.0
127.72	33.329	4596.95	0.10	4870	2120.79	16.8
119.69	14.810	1774.39	0.00	4744	134.21	7.6



72V

U[V]	I[A]	Pin[W]	PF[.]	N[rpm]	Pout[W]	EFF[%]
80.00	300.000	20000.00	1.00	6000	20000.00	100.0
79.10	271.726	18124.11	0.90	5876	18034.86	92.8
78.21	243.453	16248.23	0.80	5752	16069.73	85.6
77.31	215.179	14372.34	0.70	5628	14104.59	78.4
76.42	186.906	12496.46	0.60	5504	12139.45	71.2
75.52	158.632	10620.57	0.50	5381	10174.31	64.0
74.62	130.358	8744.68	0.40	5257	8209.18	56.9
73.73	102.085	6868.80	0.30	5133	6244.04	49.7
72.83	73.811	4992.91	0.20	5009	4278.90	42.5
71.94	45.538	3117.03	0.10	4885	2313.77	35.3
71.04	17.264	1241.14	0.00	4761	348.63	28.1



48V

U[V]	I[A]	Pin[W]	PF[.]	N[rpm]	Pout[W]	EFF[%]
50.00	300.000	20000.00	1.00	4000	20000.00	100.0
49.72	271.636	18078.63	0.90	3930	18007.95	91.0
49.44	243.273	16157.27	0.80	3861	16015.90	82.0
49.16	214.910	14235.90	0.70	3791	14023.85	73.0
48.88	186.546	12314.53	0.60	3722	12031.80	64.0
48.61	158.183	10393.16	0.50	3652	10039.75	55.0
48.33	129.819	8471.80	0.40	3582	8047.70	46.0
48.05	101.455	6550.43	0.30	3513	6055.65	37.0
47.77	73.092	4629.06	0.20	3443	4063.60	28.0
47.49	44.728	2707.70	0.10	3374	2071.55	19.0
47.21	16.365	786.33	0.00	3304	79.50	10.0

