



KEB 10 kW 104V data	<i>Current [A]</i>	<i>Power In [kW]</i>	<i>Power Out [kW]</i>	<i>Torque [Nm]</i>	<i>Rotation [RPM]</i>	<i>Efficiency [%]</i>
<i>No_Load</i>	9,3	0,96	0,18	0,35	5 130	18,9
<i>Max_Efficiency</i>	68,2	7,1	6,1	12,8	4 530	85,5
<i>Max_Power</i>	116,4	12,1	10,1	23,3	4 140	83,2
KEB 8 kW 72V data	<i>Current [A]</i>	<i>Power In [kW]</i>	<i>Power Out [kW]</i>	<i>Torque [Nm]</i>	<i>Rotation [RPM]</i>	<i>Efficiency [%]</i>
<i>No_Load</i>	14,4	1	0,47	0,74	6 070	45,8
<i>Max_Efficiency</i>	113,4	8,2	7,3	13	5 390	89,7
<i>Max_Power</i>	134,2	9,7	8,6	17,4	4 740	89
KEB 5kW 48V data	<i>Current [A]</i>	<i>Power In [kW]</i>	<i>Power Out [kW]</i>	<i>Torque [Nm]</i>	<i>Rotation [RPM]</i>	<i>Efficiency [%]</i>
<i>No_Load</i>	15,3	0,74	0,33	0,8	4 020	45,2
<i>Max_Efficiency</i>	56,5	2,7	2,4	6,1	3 790	89,1
<i>Max_Power</i>	124,8	6	5,1	13,9	3 530	85,2

HPM 5000 BLDC motors are available in 2 options:

HPM 5000L – liquid cooling (-chłodzony cieczą)

HPM 5000A – air cooling (-chłodzony powietrzem)

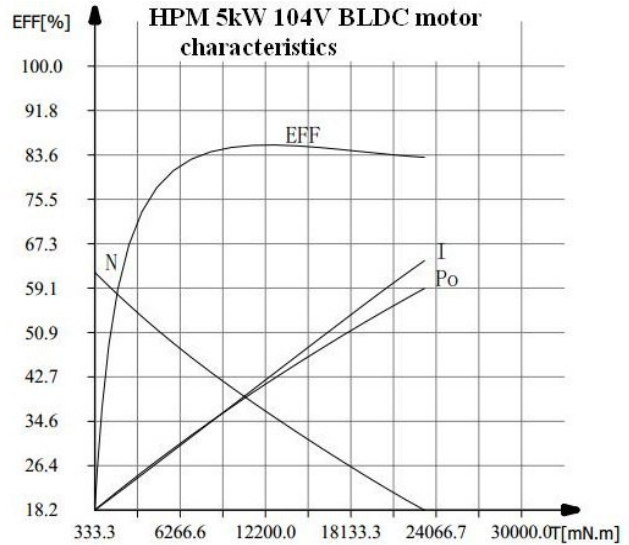
and in 3 voltage subtypes: 104V, 72V and 48V.

Motors characteristics tables for different voltages, as below:
(Charakterystyki dla silników o różnych napięciach nominalnych, w tabelach poniżej:



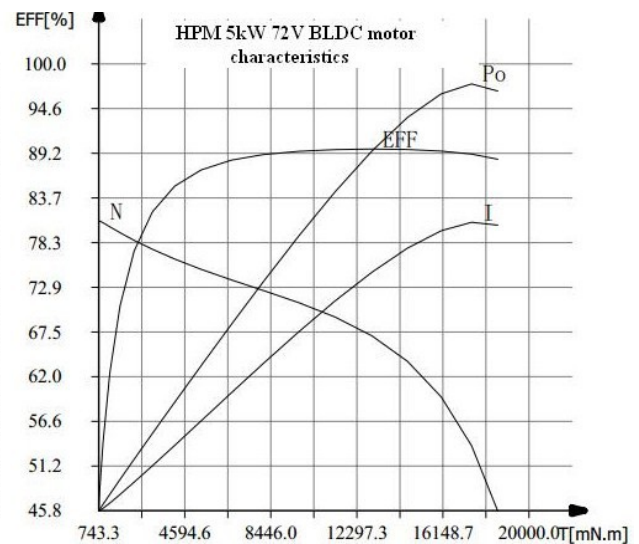
104V

U[V]	I[A]	Pin[W]	PF[.]	N[rpm]	Pout[W]
200.00	200.000	20000.00	1.00	6000	20000.00
190.40	180.932	18096.94	0.90	5814	18017.92
180.80	161.864	16193.89	0.80	5628	16035.83
171.20	142.797	14290.83	0.70	5441	14053.75
161.60	123.729	12387.78	0.60	5255	12071.66
152.00	104.661	10484.72	0.50	5069	10089.58
142.39	85.593	8581.66	0.40	4883	8107.50
132.79	66.525	6678.61	0.30	4697	6125.41
123.19	47.458	4775.55	0.20	4510	4143.33
113.59	28.390	2872.50	0.10	4324	2161.24
103.99	9.322	969.44	0.00	4138	179.16



72V

U[V]	I[A]	Pin[W]	PF[.]	N[rpm]	Pout[W]
80.00	200.000	10000.00	1.00	7000	9000.00
79.20	181.430	9102.90	0.90	6736	8147.25
78.39	162.860	8205.80	0.80	6472	7294.51
77.59	144.289	7308.69	0.70	6208	6441.76
76.78	125.719	6411.59	0.60	5944	5589.02
75.98	107.149	5514.49	0.50	5681	4736.27
75.18	88.579	4617.39	0.40	5417	3883.52
74.37	70.009	3720.29	0.30	5153	3030.78
73.57	51.438	2823.18	0.20	4889	2178.03
72.76	32.868	1926.08	0.10	4625	1325.29
71.96	14.298	1028.98	0.00	4361	472.54



48V

U[V]	I[A]	Pin[W]	PF[.]	N[rpm]	Pout[W]
50.00	200.000	7000.00	1.00	5000.0	6000.00
49.82	181.526	6373.60	0.90	4853.2	5433.27
49.64	163.052	5747.19	0.80	4706.4	4866.54
49.47	144.578	5120.79	0.70	4559.6	4299.80
49.29	126.104	4494.39	0.60	4412.8	3733.07
49.11	107.630	3867.99	0.50	4266.0	3166.34
48.93	89.156	3241.58	0.40	4119.2	2599.61
48.75	70.682	2615.18	0.30	3972.4	2032.88
48.58	52.208	1988.78	0.20	3825.6	1466.14
48.40	33.734	1362.37	0.10	3678.8	899.41
48.22	15.260	735.97	0.00	3532.0	332.68

