Model parameters' values for the 1.1 kW motor (TECO AESV3S041R50FUN):

Stage No. (From P1 to P2)	*La* (H)			*Ca* (F)			*Rca* (Ω)			*Rxa* (Ω)			*Lb* (H)			*Cb* (F)			*RLb* (Ω)			*Rxb* (Ω)		
	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W
1	3.48E-07	1.65E-07	2.82E-08	6.73E-10	8.14E-12	6.50E-11	5.64E-01	9.24E+00	1.45E-01	1.63E+02	7.39E+02	1.96E+02	3.06E-07	3.51E-07	4.60E-07	1.14E-10	4.78E-11	6.40E-11	3.72E+02	1.99E+03	6.01E+03	5.49E+00	9.03E+00	3.02E+01
2	2.41E-07	6.27E-07	1.24E-07	3.38E-10	1.20E-09	4.02E-11	2.53E+00	7.95E-01	5.80E-01	2.56E+01	1.57E+02	4.97E+02	4.18E-07	1.92E-07	2.52E-07	4.73E-11	1.05E-10	2.12E-11	1.53E+03	2.07E+03	9.90E+01	3.74E+01	4.52E+00	3.55E+02
3	3.93E-07	1.18E-06	8.90E-07	4.46E-11	3.76E-10	1.94E-10	7.85E+01	9.06E+00	6.48E+00	1.02E+02	9.15E+01	3.55E+02	4.99E-06	8.04E-07	3.18E-07	1.78E-11	8.11E-11	9.44E-11	4.06E+02	9.10E+02	2.28E+03	4.21E+02	2.93E+01	6.64E+00
4	4.63E-04	4.82E-04	4.66E-06	3.20E-10	1.75E-09	1.25E-10	1.36E+01	7.59E+01	1.59E+01	1.97E+03	5.93E+02	7.96E+02	1.46E-05	4.09E-06	2.93E-06	1.21E-11	4.66E-11	4.18E-11	4.90E+04	1.44E+04	1.99E+03	1.90E+02	3.91E+01	7.53E+01
5	2.22E-04	1.02E-03	4.49E-06	6.30E-10	6.49E-11	3.13E-10	2.20E+01	3.42E+02	6.32E+01	8.18E+02	7.27E+03	8.76E+01	9.40E-05	4.67E-05	1.09E-05	1.84E-11	2.34E-11	1.89E-11	7.00E+04	7.99E+03	2.84E+03	3.01E+02	4.28E+02	1.88E+02
6	1.04E-02	4.81E-03	1.24E-03	1.95E-10	2.86E-10	1.31E-10	4.16E+01	5.92E+02	4.29E+01	1.18E+04	4.10E+03	4.02E+03	4.81E-03	2.86E-04	9.77E-05	1.43E-10	1.92E-11	5.93E-12	1.36E+05	1.63E+04	1.22E+04	6.00E+03	9.20E+03	1.14E+04
7	2.07E-02	7.32E-03	1.30E-02	5.17E-10	1.53E-10	1.30E-10	7.33E+01	2.63E+01	4.96E+01	1.33E+03	6.40E+03	1.19E+04	5.21E-03	4.32E-03	5.91E-03	3.73E-10	2.47E-10	1.28E-10	3.30E+05	1.01E+05	2.10E+05	4.27E+02	5.43E+02	7.97E+03
8	3.52E-03	2.67E-02	3.64E-02	2.73E-09	1.44E-07	7.36E-08	7.52E+01	2.99E+02	1.20E+02	9.20E+02	5.38E+01	9.40E+01	6.91E-03	8.65E-03	1.08E-02	5.49E-11	2.06E-10	1.53E-10	2.09E+05	7.98E+04	2.95E+05	4.10E+03	7.77E+02	1.04E+03
9	5.41E-05	5.90E-03	7.25E-05	1.19E-08	1.38E-11	7.24E-09	1.14E+01	1.48E+04	2.94E+01	2.92E+01	4.57E+03	5.16E+01	1.35E-02	1.34E-02	1.72E-02	5.77E-11	8.18E-11	8.80E-11	5.83E+05	2.41E+05	3.45E+05	3.03E+03	2.16E+03	1.90E+03
10	1.10E-05	5.45E-04	3.62E-05	1.90E-08	2.42E-09	3.72E-09	1.11E+01	2.04E+02	4.30E+01	1.56E+01	2.10E+02	8.24E+01	1.57E-02	1.31E-02	1.47E-02	7.46E-11	5.38E-11	9.58E-11	1.91E+06	1.76E+05	2.67E+05	2.69E+03	2.69E+03	1.70E+03
11	8.43E-03	3.85E-03	2.21E-02	2.40E-10	7.14E-10	4.12E-10	4.98E+01	3.23E+02	5.84E+01	1.32E+04	8.04E+02	1.60E+03	1.90E-02	1.27E-02	4.96E-03	8.02E-11	5.72E-11	3.43E-10	2.77E+05	1.55E+05	2.78E+05	3.26E+03	3.16E+03	4.17E+02
12	3.27E-02	1.50E-02	1.22E-02	8.21E-08	1.70E-09	1.46E-10	3.79E+01	2.25E+03	4.69E+01	8.09E+01	5.74E+02	1.27E+04	7.74E-03	4.27E-03	1.81E-02	2.30E-10	2.62E-10	1.03E-10	4.41E+05	8.65E+04	3.24E+05	6.93E+02	6.71E+02	1.15E+04
13	3.14E-03	8.29E-03	1.91E-04	9.68E-10	9.94E-11	6.72E-10	5.88E+01	1.59E+03	2.85E+01	3.89E+03	8.12E+03	1.28E+03	1.09E-03	3.65E-03	2.94E-04	3.07E-11	9.25E-11	2.55E-11	1.09E+04	1.46E+05	4.64E+03	2.64E+04	2.32E+04	2.07E+04
14	2.96E-03	3.37E-04	5.31E-04	4.24E-10	1.01E-10	2.70E-10	5.93E+01	4.82E+01	3.97E+01	4.51E+03	4.01E+03	1.55E+03	7.33E-05	3.21E-05	4.30E-05	1.27E-11	2.76E-11	3.45E-11	9.49E+03	4.21E+03	1.32E+05	4.08E+02	3.50E+02	1.54E+02
15	9.32E-04	4.79E-04	2.27E-05	1.70E-10	2.68E-10	1.97E-10	3.02E+01	1.68E+01	7.59E+01	2.81E+03	2.19E+03	1.88E+03	1.12E-05	1.70E-05	2.93E-06	2.90E-11	3.58E-11	3.65E-11	1.56E+04	2.54E+03	1.05E+04	7.72E+01	2.66E+02	4.08E+01
16	2.59E-05	3.37E-05	2.12E-06	1.22E-10	8.48E-11	1.40E-10	2.06E+01	4.15E+01	7.38E+01	1.55E+03	2.33E+03	1.25E+02	5.28E-06	1.46E-06	1.24E-06	1.23E-11	1.58E-11	4.72E-11	1.09E+03	6.96E+01	6.07E+01	4.27E+02	4.04E+01	2.68E+01
17	3.84E-06	2.13E-06	2.97E-08	1.68E-10	2.78E-10	5.94E-11	3.51E+00	1.47E+00	1.14E+00	1.08E+03	7.06E+02	1.62E+02	7.60E-07	2.28E-07	3.54E-07	5.06E-11	1.07E-10	8.45E-11	4.43E+04	3.12E+04	5.64E+02	1.26E+01	4.72E+00	7.35E+00
18	4.37E-08	7.69E-09	2.36E-08	3.27E-08	3.17E-09	1.44E-11	2.24E-01	4.32E-02	1.67E+01	8.58E-01	1.06E+01	5.63E+01	4.11E-07	9.73E-07	8.43E-07	8.18E-11	6.22E-11	1.51E-11	3.68E+02	4.62E+03	2.42E+04	1.30E+01	5.57E+01	2.76E+01

Model parameters' values for the 5.5 kW motor (TECO AESV3S027R50FMN):

Stage No. (From P1 to P2)	*La* (H)			*Ca* (F)			*Rca* (Ω)			*Rxa* (Ω)			*Lb* (H)			*Cb* (F)			*RLb* (Ω)			*Rxb* (Ω)		
	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W
1	3.20E-10	1.69E-11	1.25E-10	2.76E-10	1.11E-09	3.22E-10	1.05E-01	5.07E-02	3.29E-01	1.39E+00	1.41E-01	8.11E-01	1.81E-05	6.18E-06	3.02E-06	3.72E-11	7.88E-11	8.14E-12	2.80E+04	3.33E+03	5.43E+03	9.53E+01	3.24E+01	4.28E+02
2	2.41E-07	1.82E-08	3.48E-07	1.65E-11	1.34E-11	3.04E-11	9.39E-01	1.48E-01	1.68E+00	5.78E+02	3.52E+02	9.20E+02	1.02E-06	2.48E-06	4.82E-07	6.41E-11	2.64E-11	5.96E-10	1.14E+03	4.11E+04	4.62E+03	1.53E+01	4.90E+01	9.66E+00
3	7.27E-07	1.79E-07	7.38E-07	3.10E-10	1.19E-09	1.66E-10	1.58E+00	2.83E-01	3.72E+01	3.47E+02	7.18E+01	9.39E+01	2.50E-07	8.10E-07	2.23E-07	2.40E-10	1.43E-10	1.53E-10	4.89E+01	2.00E+04	9.47E+01	3.41E+00	8.47E+00	4.56E+00
4	1.83E-04	4.70E-05	3.74E-05	8.09E-10	2.93E-09	5.43E-11	1.62E+01	4.61E+00	2.74E+01	1.07E+03	1.75E+02	6.51E+03	1.32E-05	1.24E-06	5.88E-05	2.63E-11	1.18E-10	3.49E-10	3.38E+04	2.23E+04	1.35E+03	8.37E+01	1.16E+01	2.46E+03
5	5.74E-03	5.63E-04	5.75E-04	7.15E-10	1.21E-09	1.34E-10	5.62E+01	8.21E+00	1.39E+02	3.15E+03	1.06E+03	6.91E+03	7.92E-04	3.02E-05	1.16E-04	6.95E-11	9.94E-12	3.61E-10	1.74E+04	2.60E+04	1.71E+03	9.55E+03	4.00E+02	6.41E+02
6	1.42E-02	5.49E-05	9.52E-04	1.47E-07	2.62E-09	1.79E-10	2.38E+02	3.76E+00	1.25E+03	4.13E+01	1.01E+02	6.59E+02	6.78E-03	7.63E-04	8.27E-05	1.47E-10	3.61E-11	6.34E-10	4.50E+04	2.13E+04	2.34E+03	2.42E+03	2.31E+04	6.95E+01
7	1.33E-02	1.29E-02	8.04E-03	1.77E-10	2.84E-10	1.63E-07	2.11E+01	6.03E+00	5.28E+01	8.95E+03	6.07E+03	4.33E+01	9.18E-03	4.94E-03	5.57E-04	2.40E-10	1.56E-10	2.86E-10	1.79E+06	4.25E+05	7.28E+03	1.15E+03	3.85E+03	2.89E+02
8	2.27E-02	2.38E-05	6.34E-03	7.47E-10	6.84E-10	2.15E-09	2.49E+01	5.34E+00	1.55E+02	1.55E+03	9.60E+01	3.07E+02	8.17E-03	1.38E-02	1.55E-03	8.24E-11	6.17E-11	2.39E-10	6.24E+04	9.58E+05	2.22E+03	5.52E+03	2.71E+03	2.63E+03
9	4.74E-05	1.93E-02	1.04E-03	1.80E-09	3.11E-07	1.20E-10	1.22E+01	1.85E+01	8.00E+02	1.49E+02	4.01E+01	7.42E+03	6.93E-03	2.29E-02	1.18E-04	2.00E-10	1.36E-10	1.00E-09	1.76E+05	4.30E+05	1.94E+03	4.69E+03	1.64E+03	4.84E+01
10	1.49E-04	2.97E-02	5.02E-04	8.83E-10	4.21E-10	1.05E-10	7.47E-01	9.40E+00	4.57E+02	7.68E+02	1.82E+03	2.76E+03	4.51E-04	7.31E-03	1.68E-04	2.45E-11	2.93E-10	3.50E-10	1.83E+04	5.54E+04	1.43E+03	2.60E+04	1.37E+03	6.06E+02
11	3.60E-05	6.04E-03	2.13E-05	1.11E-09	8.14E-10	7.68E-11	1.13E+01	1.01E+01	4.12E+01	2.18E+02	3.26E+03	3.05E+03	1.32E-05	1.78E-03	8.86E-06	4.34E-11	8.51E-11	5.52E-11	6.97E+03	9.10E+04	4.16E+02	6.03E+01	6.46E+03	1.84E+03
12	5.17E-07	2.18E-04	6.42E-06	5.42E-11	8.23E-10	2.83E-10	2.70E+00	7.81E+00	1.47E+01	7.48E+02	8.68E+02	7.09E+02	3.41E-07	3.29E-05	2.74E-07	3.89E-11	1.04E-11	2.53E-10	1.61E+01	2.71E+03	7.92E+01	1.02E+01	4.76E+03	1.16E+01
13	4.47E-07	1.79E-07	2.51E-07	9.52E-12	1.94E-11	2.34E-11	4.07E+01	3.12E-01	1.75E+00	1.66E+03	8.92E+02	7.47E+02	4.09E-07	5.79E-06	8.24E-07	2.42E-10	7.12E-11	2.40E-10	2.74E+03	5.97E+04	3.87E+03	9.06E+00	2.91E+01	1.23E+01
14	9.91E-10	2.77E-07	2.23E-10	1.99E-11	1.58E-09	7.69E-10	4.26E+00	6.28E-01	3.36E-02	7.96E+00	1.07E+02	4.49E-01	3.87E-06	4.15E-07	3.64E-06	3.53E-11	7.14E-11	1.60E-10	4.35E+03	2.98E+01	6.75E+02	4.71E+01	1.20E+01	1.69E+01
15		9.66E-07			1.37E-11			1.74E+00			9.78E+02			4.25E-07			1.90E-10			4.53E+02			8.71E+00	
16		1.64E-11			1.45E-09			2.75E-02			9.97E-02			5.15E-06			1.82E-11			9.47E+03			8.33E+01	

Model parameters' values for the 22 kW motor (TECO AESV3S0200030FMN):

Stage No. (From P1 to P2)	*La* (H)			*Ca* (F)			*Rca* (Ω)			*Rxa* (Ω)			*Lb* (H)			*Cb* (F)			*RLb* (Ω)			*Rxb* (Ω)		
	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W	Phase U	Phase V	Phase W
1	1.83E-11	4.67E-09	3.88E-11	1.51E-09	1.16E-11	1.96E-09	5.41E-02	1.08E+01	6.13E-02	9.95E-02	2.54E+01	1.14E-01	1.04E-06	9.76E-08	6.41E-06	8.93E-11	1.25E-11	9.94E-11	2.29E+03	1.03E+02	3.43E+03	1.41E+01	1.20E+01	2.77E+01
2	1.21E-06	3.47E-09	2.42E-07	8.22E-12	4.56E-11	3.56E-11	7.65E+00	6.71E+00	7.56E-01	1.89E+03	8.89E+00	7.59E+02	4.05E-07	7.58E-07	5.81E-07	3.66E-10	1.99E-10	4.47E-10	3.05E+02	2.65E+04	1.37E+03	4.34E+00	2.68E+01	8.33E+00
3	7.64E-07	2.00E-07	1.46E-05	4.57E-10	3.85E-11	1.65E-10	1.19E+00	1.34E+00	1.09E+01	3.13E+02	6.05E+02	1.88E+03	5.95E-08	5.66E-07	3.58E-07	5.08E-11	4.13E-10	1.48E-10	1.34E+03	1.31E+04	1.60E+02	3.98E+01	1.34E+01	5.14E+00
4	1.56E-05	5.69E-06	5.70E-04	1.09E-10	2.52E-09	1.29E-10	1.07E+01	1.22E+00	3.82E+01	2.81E+03	1.42E+02	7.75E+03	3.82E-07	4.14E-07	4.26E-05	1.37E-10	3.55E-11	6.98E-10	7.61E+01	1.44E+02	1.22E+03	9.05E+00	3.33E+02	5.35E+02
5	1.80E-05	2.09E-05	1.09E-03	9.69E-11	2.35E-10	1.39E-10	7.22E+01	1.58E+00	2.94E+01	1.74E+03	2.62E+03	8.13E+02	5.18E-06	2.15E-06	2.17E-04	3.90E-11	3.68E-11	5.23E-10	5.83E+02	8.95E+03	2.68E+03	9.49E+02	3.71E+01	1.21E+02
6	4.35E-04	7.05E-05	6.47E-03	1.27E-10	7.18E-10	1.84E-09	1.69E+02	1.86E+01	1.69E+02	6.03E+03	2.26E+02	2.89E+02	9.78E-05	1.07E-05	1.88E-04	4.68E-10	1.04E-10	5.25E-10	1.36E+03	1.63E+04	1.70E+03	5.21E+02	4.49E+01	9.56E+01
7	3.25E-04	5.37E-04	8.07E-03	5.11E-10	1.32E-10	7.07E-08	1.83E+02	1.74E+01	6.68E+02	7.95E+02	1.63E+03	4.19E+01	8.78E-05	1.75E-04	1.33E-03	4.84E-10	2.88E-10	3.36E-10	2.40E+03	1.07E+04	2.24E+03	2.99E+02	6.47E+02	3.79E+03
8	1.22E-03	1.27E-03	9.96E-04	8.86E-10	1.13E-10	1.52E-10	7.14E+02	1.60E+01	3.14E+01	3.55E+02	2.57E+04	8.09E+03	1.47E-04	5.61E-05	2.20E-04	5.85E-10	1.22E-09	9.88E-10	1.07E+04	1.17E+04	1.39E+04	7.24E+01	3.56E+01	6.26E+01
9	5.06E-03	3.04E-04	3.59E-04	1.76E-07	2.47E-09	4.00E-10	4.39E+02	4.72E+01	5.05E+01	2.30E+01	2.52E+02	1.18E+03	1.63E-03	1.39E-03	6.13E-05	2.13E-10	1.15E-10	2.37E-10	3.64E+03	1.71E+04	7.89E+02	8.39E+03	8.89E+03	9.65E+02
10	6.12E-03	1.57E-03	1.48E-05	3.28E-09	2.01E-09	1.52E-10	5.51E+02	3.64E+01	7.80E+00	2.32E+02	2.64E+02	2.16E+03	7.76E-04	9.94E-04	8.28E-07	1.56E-10	1.01E-10	2.07E-10	7.59E+03	2.16E+04	6.34E+01	5.41E+02	2.63E+03	8.09E+00
11	1.10E-03	5.70E-03	3.07E-07	9.41E-11	2.12E-07	2.52E-11	5.41E+02	2.03E+02	3.03E+00	6.73E+03	1.95E+01	4.93E+02	1.34E-04	2.87E-04	5.37E-07	9.78E-10	1.01E-10	3.20E-10	4.98E+03	2.49E+04	3.35E+03	5.55E+01	1.80E+03	1.13E+01
12	4.23E-04	6.89E-03	1.46E-10	1.91E-10	6.64E-09	1.21E-09	6.30E+02	2.68E+02	2.46E-02	1.74E+03	1.87E+02	3.06E-01	1.25E-04	2.11E-04	5.32E-06	2.14E-10	8.17E-10	1.12E-10	2.30E+03	2.10E+04	1.32E+03	7.76E+02	6.80E+01	2.37E+01
13	1.15E-04	4.53E-04		3.59E-10	3.09E-10		5.53E+02	2.96E+01		4.13E+02	1.54E+03		3.19E-05	2.11E-05		9.38E-11	6.37E-11		2.96E+03	5.76E+03		6.64E+02	1.03E+03	
14	2.73E-05	2.36E-05		6.06E-11	1.87E-10		8.52E+01	5.92E+00		3.24E+03	2.30E+03		2.31E-05	4.47E-05		1.76E-10	5.43E-10		4.71E+02	6.24E+02		1.72E+03	1.94E+03	
15	7.54E-06	1.81E-05		2.61E-10	1.67E-10		6.08E+00	4.19E+00		8.41E+02	2.67E+03		2.95E-07	4.13E-07		3.03E-10	2.26E-10		1.21E+02	5.41E+03		3.75E+00	1.61E+01	
16	5.89E-07	6.88E-08		7.34E-10	9.08E-12		7.74E-01	9.58E+01		1.49E+02	4.52E+02		1.42E-06	4.12E-07		1.76E-10	4.92E-10		1.31E+02	8.44E+03		1.36E+01	9.67E+00	
17	2.20E-07	3.62E-09		1.42E-11	2.41E-10		1.36E+00	3.54E-02		9.49E+02	5.39E+00		1.58E-06	1.69E-07		1.73E-10	3.63E-12		3.07E+03	9.36E+01		1.33E+01	3.16E+01	
18	1.48E-10	2.79E-10		6.04E-11	2.54E-10		1.00E+00	2.97E-01		1.42E+00	1.24E+00		2.73E-07	7.07E-08		6.39E-12	3.44E-12		1.02E+03	1.57E+03		5.19E+01	3.40E+01	

*(*Note: All parameters' values are expressed in scientific notation and rounded to 3 significant digits.)*