

**APPENDIX 8G. AVERAGE TEMPERATURE RISE OF LCC CONSUMER  
CHOICE MODEL SELECTED TRANSFORMERS**

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## 8G.1 Average Temperature Rise of LCC-Selected Transformers

The following tables present the average temperature rise of the LCC-selected distribution transformer designs. Each of these average temperature rises represents 10,000 consumer choices, based on the reference LCC scenario input conditions.

**Table 8G.1 Average Temperature Rise (degrees C) for Liquid-Immersed Design Lines at each TSL**

Level	Design Line 1	Design Line 2	Design Line 3	Design Line 4	Design Line 5
Base	61.89	58.06	64.91	64.21	65.00
TSL1	61.94	57.49	64.91	64.21	65.00
TSL2	61.94	58.06	64.90	64.23	65.00
TSL3	61.94	57.79	64.90	63.65	65.00
TSL4	61.73	57.27	64.78	63.65	65.00
TSL5	60.14	47.40	46.88	40.75	65.00
TSL6	21.79	14.43	41.98	35.39	65.00
TSLA	60.14	44.74	64.78	63.99	65.00
TSLB	61.64	51.22	64.90	64.23	65.00
TSLC	61.64	51.22	64.90	64.23	65.00
TSLD	61.73	57.27	64.90	64.23	65.00

**Table 8G.2 Average Temperature Rise (degrees C) for Medium-Voltage Dry-Type Design Lines at each TSL**

Level	Design Line 9	Design Line 10	Design Line 11	Design Line 12	Design Line 13
Base	129.42	101.67	114.44	109.93	116.87
TSL1	128.10	88.15	107.36	102.36	114.36
TSL2	127.08	94.83	91.50	107.11	115.47
TSL3	112.88	91.45	78.63	100.49	110.48
TSL4	88.39	83.03	60.35	89.44	91.63
TSL5	67.23	60.11	51.43	62.41	66.15
TSL6	67.23	60.11	51.43	62.41	66.15