



595 Southgate Drive
Guelph, Ontario, N1G 3W6
Tel. 519 822 2441

Issued 2016-04-11



Typical Performance @ 75^o C of LVDT Transformers, Model Sentinel H, 600V class, 60 Hz, Copper Windings
Meets North American Efficiency Standards: U.S. - DOE 10 CFR Part 431 (DOE 2016); Canada - SOR/2018-201, (NRCAN 2019) for LVDT transformers

kVA	No Load Loss Watts	Load Loss Watts	Impedance	Regulation				% Efficiency at different % of rated load						
				at 35% load		at 100% load		15%	25%	35%	50%	65%	75%	100%
				pf = 1	pf = 0.8	pf = 1	pf = 0.8							
15	73	320	3.0%	0.75%	0.83%	2.16%	2.37%	96.56%	97.58%	97.90%	97.99%	97.90%	97.79%	97.43%
30	116	590	3.5%	0.70%	1.05%	2.01%	3.01%	97.21%	98.00%	98.23%	98.27%	98.15%	98.04%	97.69%
45	145	900	3.5%	0.71%	1.05%	2.04%	3.01%	97.61%	98.24%	98.40%	98.38%	98.23%	98.10%	97.72%
75	195	1460	4.0%	0.69%	1.20%	2.00%	3.43%	98.01%	98.50%	98.60%	98.53%	98.36%	98.22%	97.84%
112.5	280	1800	4.5%	0.58%	1.29%	1.71%	3.71%	98.13%	98.62%	98.74%	98.70%	98.58%	98.47%	98.16%
150	330	2400	4.5%	0.57%	1.29%	1.68%	3.71%	98.32%	98.74%	98.83%	98.78%	98.64%	98.53%	98.22%
225	510	2750	4.0%	0.44%	1.12%	1.29%	3.22%	98.33%	98.80%	98.94%	98.95%	98.87%	98.79%	98.57%
300	600	3620	5.5%	0.44%	1.46%	1.35%	4.20%	98.51%	98.91%	99.02%	99.01%	98.92%	98.84%	98.61%
500	1000	4250	5.0%	0.31%	1.27%	0.97%	3.67%	98.56%	99.00%	99.14%	99.18%	99.15%	99.10%	98.96%
750	1200	6800	6.0%	0.34%	1.50%	1.08%	4.35%	98.81%	99.14%	99.23%	99.23%	99.17%	99.11%	98.94%
1000	1380	9550	6.0%	0.36%	1.51%	1.13%	4.38%	98.95%	99.22%	99.28%	99.25%	99.17%	99.11%	98.92%



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Typical Performance @ 75^o C of LVDT Transformers, Model Sentinel H, 600V class, 60 Hz, Aluminum Windings
Meets North American Efficiency Standards: U.S. - DOE 10 CFR Part 431 (DOE 2016); Canada - SOR/2018-201, (NRCAN 2019) for LVDT transformers

kVA	No Load Loss Watts	Load Loss Watts	Impedance	Regulation				% Efficiency at different % of rated load						
				at 35% load		at 100% load		15%	25%	35%	50%	65%	75%	100%
				pf = 1	pf = 0.8	pf = 1	pf = 0.8							
15	68	360	3.7%	0.86%	1.07%	2.46%	3.07%	96.72%	97.63%	97.90%	97.92%	97.77%	97.62%	97.19%
30	96	760	5.5%	0.90%	1.63%	2.62%	4.68%	97.55%	98.12%	98.23%	98.13%	97.91%	97.73%	97.23%
45	134	1000	5.0%	0.79%	1.48%	2.31%	4.24%	97.73%	98.28%	98.40%	98.32%	98.13%	97.97%	97.54%
75	195	1450	5.0%	0.69%	1.45%	2.03%	4.16%	98.02%	98.50%	98.60%	98.53%	98.37%	98.23%	97.85%
112.5	290	1750	4.5%	0.55%	1.28%	1.63%	3.68%	98.09%	98.60%	98.74%	98.72%	98.61%	98.51%	98.22%
150	320	2480	5.0%	0.59%	1.42%	1.75%	4.07%	98.36%	98.75%	98.83%	98.76%	98.62%	98.50%	98.17%
225	500	2800	6.0%	0.46%	1.58%	1.43%	4.55%	98.36%	98.81%	98.94%	98.94%	98.85%	98.77%	98.54%
300	600	3620	6.0%	0.44%	1.57%	1.38%	4.53%	98.51%	98.91%	99.02%	99.01%	98.92%	98.84%	98.61%
500	780	6090	6.5%	0.45%	1.68%	1.42%	4.86%	98.79%	99.08%	99.14%	99.09%	98.98%	98.89%	98.64%
750	1050	8130	6.5%	0.40%	1.65%	1.29%	4.78%	98.92%	99.18%	99.23%	99.18%	99.09%	99.01%	98.79%
1000	1280	10400	6.5%	0.39%	1.64%	1.24%	4.76%	99.00%	99.23%	99.28%	99.23%	99.13%	99.06%	98.85%