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

Issued 2016-07-12
Rev. 1: 2016-08-24

Typical Performance @ 75^0 C of LVDT Transformers, Model Sentinel K, K13, 600V class, 60 Hz, 150^0 C, 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								
				pf = 1	pf = 0.8	pf = 1	pf = 0.8	15%	25%	35%	50%	65%	75%	100%
15	63	537	4.3%	0.96%	1.27%	2.77%	3.64%	96.89%	97.69%	97.89%	97.84%	97.63%	97.45%	96.93%
30	109	853	3.7%	0.77%	1.11%	2.22%	3.17%	97.32%	98.04%	98.23%	98.21%	98.06%	97.92%	97.51%
45	143	1200	3.6%	0.72%	1.08%	2.08%	3.07%	97.63%	98.25%	98.40%	98.36%	98.21%	98.07%	97.68%
75	188	1950	3.6%	0.71%	1.10%	2.05%	3.14%	98.06%	98.51%	98.60%	98.51%	98.33%	98.19%	97.79%
112.5	240	2760	3.8%	0.67%	1.13%	1.95%	3.24%	98.32%	98.69%	98.74%	98.64%	98.45%	98.31%	97.92%
150	350	2800	3.8%	0.52%	1.11%	1.54%	3.19%	98.25%	98.71%	98.83%	98.81%	98.70%	98.60%	98.32%
225	420	4320	3.4%	0.55%	1.01%	1.59%	2.90%	98.54%	98.88%	98.94%	98.87%	98.72%	98.61%	98.29%
300	500	5570	5.0%	0.53%	1.40%	1.59%	4.01%	98.68%	98.97%	99.02%	98.94%	98.80%	98.68%	98.38%
500	790	5910	4.9%	0.43%	1.33%	1.29%	3.82%	98.78%	99.08%	99.14%	99.10%	99.00%	98.91%	98.68%
750	970	8800	6.1%	0.43%	1.57%	1.35%	4.55%	98.97%	99.20%	99.23%	99.16%	99.05%	98.96%	98.71%
1000	1165	11340	5.0%	0.41%	1.32%	1.25%	3.82%	99.06%	99.26%	99.28%	99.21%	99.09%	99.00%	98.76%

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

Issued 2016-07-12
Rev. 1: 2016-08-24

Typical Performance @ 75^0 C of LVDT Transformers, Model Sentinel K, K13, 600V class, 60 Hz, 150^0 C, 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 @170^{0}C	Impedance	Regulation				% Efficiency at different % of rated load						
				at 35% load		at 100% load								
				pf = 1	pf = 0.8	pf = 1	pf = 0.8	15%	25%	35%	50%	65%	75%	100%
15	51	669	5.0%	1.19%	1.42%	3.42%	4.06%	97.30%	97.84%	97.89%	97.68%	97.34%	97.09%	96.40%
30	90	1060	4.1%	0.95%	1.19%	2.72%	3.39%	97.65%	98.16%	98.23%	98.09%	97.83%	97.64%	97.09%
45	120	1440	4.0%	0.86%	1.19%	2.49%	3.41%	97.90%	98.35%	98.40%	98.27%	98.03%	97.85%	97.35%
75	190	1930	4.8%	0.71%	1.42%	2.07%	4.06%	98.05%	98.51%	98.60%	98.52%	98.35%	98.20%	97.81%
112.5	253	2620	4.3%	0.64%	1.27%	1.88%	3.65%	98.26%	98.66%	98.74%	98.66%	98.50%	98.36%	98.00%
150	305	3300	4.6%	0.62%	1.34%	1.81%	3.84%	98.41%	98.77%	98.83%	98.74%	98.58%	98.45%	98.10%
225	440	4040	5.0%	0.53%	1.39%	1.58%	4.01%	98.50%	98.86%	98.94%	98.88%	98.76%	98.65%	98.36%
300	508	5630	4.6%	0.52%	1.29%	1.55%	3.71%	98.67%	98.97%	99.02%	98.94%	98.81%	98.70%	98.40%
500	780	6060	5.3%	0.44%	1.41%	1.34%	4.06%	98.79%	99.08%	99.14%	99.09%	98.98%	98.89%	98.65%
750	900	9380	7.5%	0.47%	1.91%	1.52%	5.53%	99.02%	99.21%	99.23%	99.14%	99.01%	98.91%	98.65%
1000	1100	11860	6.7%	0.44%	1.72%	1.40%	4.98%	99.10%	99.27%	99.28%	99.19%	99.07%	98.97%	98.72%