



## 1kva to 16kva / low - med freq Severe Application - Ozone Transformers



Case size 100, 200, 300, 400  
*UL & CSA Recognized Component.*

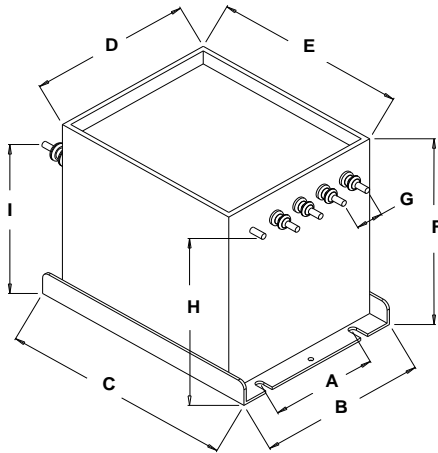
- **Increased Ozone production** as a result of matching transformer designs with the capacitive ozone load. This yields greater ozone production with lower primary input current, reduced package size, and competitive over-all cost.
- Designed specifically for harsh electrical and environmental demands imposed by **continuous-duty**, corona-discharge, **ozone** generation, and **electrostatic** applications.
- State-of-the-art, **commercial-quality**, design features assure significant increase in operational performance, where standard air type transformers routinely fail.
- **Cost-effective, compact** and **high generation-efficient** design, typically capable of supporting twice the ozone-generation load of a conventional transformer.

### Design Features:

- **High-voltage, factory standard, output-voltage configuration** available, includes **4kv, 6kv, 8kv, 10kv, 15kv and 25kv**. The **end point ground** designs range in frequency from **50hz to 2khz** with power levels from **1kva to 12kva**. Typical primary configurations: **120/240, 230/460**. Consult the factory for alternate configurations and voltages.
- **Feature Enhanced Case110 series** incorporates **isolated secondary winding** which allows the end point ground current to be safely measured; **protected** terminals; **spade push-on** connectors for primary connections; and, a **low-profile** enclosure.
- **Hermetic sealing** with a superior grade of liquid encapsulate, introduced under vacuum, surrounds the critical components ensuring a virtual corona free operating environment within the enclosure, and a **long service life. 2-year limited warranty.**
- Line-frequency transformers are **short-circuit-proof**, current-limiting designs, to withstand operation in the most demanding of electrical and temperature environments.
- All copper windings, and a rugged, **high-temperature**, high-voltage insulation system, housed in a very compact, hermetically-sealed enclosure.
- **Guaranteed secondary phasing** eliminates high-voltage flashover between transformers and secondary wiring in systems with multiple transformers.

- Rigorous 100% performance as well as burn-in tests of all electricals are conducted at elevated operating temperatures, to ensure the highest level of product **quality** and **reliability**.
- Custom ceramic high and low-voltage terminations with 10-32 threaded studs, enable industry standard **add-on terminations** such as Rajah (spark plug) and others to be used.
- **Separate ground stud** ensures proper grounding to the generator and enclosure.
- **Highly qualified technical support** with a thorough understanding of ozone applications.

### Installation Drawing



### Dimensional Table Inches (mm)

	Case100	Case110	Case200	Case300	Case400
<b>A</b>	4 (102)	5 (127)	5 (127)	6 (152)	8 (203)
<b>B</b>	6.13(156)	7.63 (194)	7.5 (191)	9.13 (232)	11.25(286)
<b>C</b>	8.63(219)	10.80(274)	9.5 (241)	10.63(270)	15.13(384)
<b>D</b>	5.88(149)	7.35 (187)	7.25(184)	8.88 (225)	10.88(276)
<b>E</b>	7 (178)	9.30 (236)	8 (203)	9 (229)	12.63(321)
<b>F</b>	7.13(181)	5.95 (151)	9 (229)	10.63(270)	13 (330)
<b>G</b>	1 (25)	.88 (22)	1 (25)	1.25 (32)	1.5 (38)
<b>H</b>	6 (152)	4.07 (103)	7.5 (191)	9 (229)	11.38(289)
<b>I</b>	4.63(118)	4.07 (103)	6 (152)	8.13 (206)	10.38(264)
<b>Mt</b>	8 (203)	10 (254)	9 (229)	10 (254)	14.38(365)

Mt = bolt mounting center; mounting slot designed for 1/4-20 bolt for all except the Case400, which is 3/8"; H.V. terminal is 1 1/4" to 1 1/2" from left side, as shown above. All terminals use 10-32 nuts. High-voltage terminal extends the 'E' dimension by: <12kv 1 3/4", <20kv 2 1/4", <30kv 3 3/4"

### Performance Information

Item	Catalog #	Primary Volts / Hz	Max KVA	Output KvRMS	Sec MA	Style	Case Size	Weight Lbs(Kg)
⇒ 1	300-LLHI06402/D220	220/440:50-60	4	6	500	End Gnd	300	113 (51)
⇒ 2	110-LLHI08122/D115	115/230:50-60	1.2	8	150	End Gnd	110	49 (22)
⇒ 3	200-LLHI08242/D220	220/440:50-60	2.4	8	300	End Gnd	200	74 (34)
⇒ 4	110-LLHI10122/D115	115/230:50-60	1.2	10	120	End Gnd	110	49 (22)
⇒ 5	100-LLH10122/T220	220/240/260:50-60	1.2	10	120	End Gnd	100	44 (20)
⇒ 6	200-LLH10242/D220	220/440:50-60	2.4	10	240	End Gnd	200	74 (34)
⇒ 7	300-LLH10402/D220	220/440:50-60	4	10	400	End Gnd	300	113 (51)
⇒ 8	110-LLHI15122/D120	120/240:50-60	1.2	15	85	End Gnd	110	46 (21)
⇒ 9	200-LLH25062/D120	120/240:50-60	.6	25	24	End Gnd	200	70 (32)
⇒10	**55-MLH04501/T100	* 160 : 1.2khz	1	4	250	End Gnd	55	17 (8)
⇒11	**55-HLH06102/D115	* 115/230:1.2khz	1	6	167	End Gnd	55	17 (8)
⇒12	100-HLH06302/D230	* 230/460:1.2khz	3	6	500	End Gnd	100	40 (18)
⇒13	300-HSHI06802/D230	* 230/460:1.2khz	8	6	1400	End Gnd	300	136 (62)

⇒14	<b>400-HSHI06123/D230</b>	* 230/460:1.2khz	<b>12</b>	<b>6</b>	2100	End Gnd	400	225(102)
⇒15	<b>100-HLH08302/D230</b>	* 230/460:1.2khz	<b>3</b>	<b>8</b>	375	End Gnd	100	40 (18)
⇒16	<b>** 55-HLH10102/D115</b>	* 115/230:1.2khz	<b>1</b>	<b>10</b>	100	End Gnd	55	17 (8)
⇒17	<b>100-HLH10302/D230</b>	* 230/460:1.2khz	<b>3</b>	<b>10</b>	300	End Gnd	100	40 (18)
⇒18	<b>300-HLH10602/D230</b>	* 230/460:1.2khz	<b>6</b>	<b>10</b>	600	End Gnd	300	136 (62)

⇒  UL & CSA Recognized Component.

**Product with letter 'I' in the sales code is isolated secondary ground type.**

\* Hz is nominal,  $\pm 50\%$  frequency with 100% VA rating ; max case temp 65°C.

\*\* See '70 – 150va / low frequency data sheet for dimensional table.