

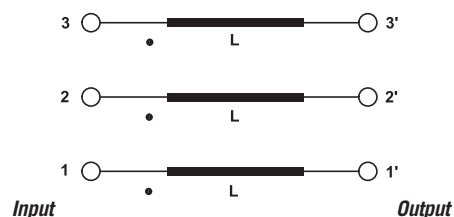

**APPLICATION GUIDE**
**Connection between the main line and the VFD**

Enerdoor line reactor series offers a current range from 10 to 300A with nominal voltage up to 480 Vac and is used to reduce harmonic distortion and low frequency electromagnetic interference.

Line reactors are selected according to the nominal voltage and current and are typically installed between the main line and the SCR controller or VFD. The 3% and 5% line reactors are the value of the drop voltage caused by differential inductance on the mains nominal voltage.

**ELECTRIC CHARACTERISTICS**

Nominal voltage	<b>480 Vac</b>
Frequency range	<b>50/60 Hz</b>
Insulation class	<b>H</b>
Drop voltage	<b>3%</b>

**ELECTRIC DIAGRAM**


Available with current up to 1000A and different drop voltage values

<b>FIN950</b>	<b>I Rated 40°C (A)</b>	<b>L (mH)</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>F</b>	<b>H</b>	<b>Power loss (W)</b>	<b>Weight (Kg)</b>
<b>.010.M29</b>	10	2.9	150	125	125	70	7	155	42	3
<b>.016.M18</b>	16	1.8	150	125	125	70	7	155	78	4
<b>.036.M084</b>	36	0.84	180	150	110	90	7	280	82	6.5
<b>.050.M058</b>	50	0.58	180	150	110	90	7	280	125	12.1
<b>.090.M032</b>	90	0.32	240	200	190	95	10	310	145	23
<b>.150.M019</b>	150	0.19	240	200	190	95	10	310	278	26.5
<b>.200.M00735</b>	200	0.0735	240	200	190	95	10	310	301	32.5
<b>.300.M0049</b>	300	0.049	240	200	190	95	10	310	379	58

**CASE**
