



## HNI Office India Ltd -e3 2019 Guideline document

<b>Head No :</b>	6.6	<b>Title :</b> Embodied Energy of the Product
<b>Credit No :</b>	6.6.1	<b>Title :</b> Energy Management System
<b>Sub Credit :</b>	6.6.1.1	<b>Type :</b> R <input type="checkbox"/> O <input type="checkbox"/> F <input type="checkbox"/> P <input checked="" type="checkbox"/>

**Requirement:**

The applicant shall receive two product points for completing a product level energy inventory, quantifying energy used for producing the product from the gate to gate inventory of the product to be assessed and submitting the data toward development of industry-wide datasets.

**Compliance:**

Gate to Gate Embodied energy calculations for product  
 Data submittal

**Reference to backup documents :**

Product Name:	C-50 (1 Person cluster)			
Units produced:	3290			
<b>Process</b>	<b>Unit of Energy</b>	<b>Energy consumption</b>	<b>Internal or Supplier</b>	<b>Primary or Secondary</b>
Alum routing	KWH	0.10	Internal	Primary
Curvilinear edge banding	KWH	0.36	Internal	Primary
Drilling	KWH	0.11	Internal	Primary
Edge banding	KWH	0.42	Internal	Primary
Finishing	KWH	0.00	Internal	Primary
Grinding	KWH	0.09	Internal	Primary
Metal cutting	KWH	0.60	Internal	Primary
Metal packing	KWH	0.96	Internal	Primary
Moulder	KWH	0.30	Internal	Primary
Powder coating	KWH	28.05	Internal	Primary
Punching	KWH	1.42	Internal	Primary
Spot welding	KWH	1.22	Internal	Primary
Wood cutting	KWH	1.10	Internal	Primary
Wood packing	KWH	0.00	Internal	Primary
Wood routing	KWH	1.80	Internal	Primary
<b>Total</b>		<b>36.51</b>		

Product Name:	Avail Bench (4-person cluster)			
Units produced:	4313			
<b>Process</b>	<b>Unit of Energy</b>	<b>Energy consumption</b>	<b>Internal or Supplier</b>	<b>Primary or Secondary</b>
Bending	KWH	3.550	Internal	Primary
Drilling machine	KWH	0.234	Internal	Primary
Edge banding	KWH	1.549	Internal	Primary
Finishing	KWH	0.634	Internal	Primary

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Head No . : 1.0 Title : Company Profile

Grinding	KWH	Credit No : 0.141	MA Title : Internal	Primary
Metal cutting	KWH	1.929	Internal	Primary
Metal packing	KWH	3.950	Internal	Primary
Mig welding	KWH	0.640	Internal	Primary
Powder coating	KWH	58.334	Internal	Primary
Punching	KWH	0.111	Internal	Primary
Spot welding	KWH	3.765	Internal	Primary
Tapping machine	KWH	0.600	Internal	Primary
Wood cutting	KWH	0.800	Internal	Primary
Wood packing	KWH	0.603	Internal	Primary
Wood routing	KWH	8.626	Internal	Primary
<b>Total</b>		<b>85.47</b>		

Product Name:	A66 (4 person cluster)			
Units produced:	687			
<b>Process</b>	<b>Unit of Energy</b>	<b>Energy consumption</b>	<b>Internal or Supplier</b>	<b>Primary or Secondary</b>
Bending	KWH	9.14	Internal	Primary
Drilling	KWH	0.20	Internal	Primary
Edge banding	KWH	4.76	Internal	Primary
Finishing	KWH	0.84	Internal	Primary
Grinding machine	KWH	1.44	Internal	Primary
Metal cutting	KWH	9.08	Internal	Primary
Metal packing	KWH	2.50	Internal	Primary
Mig welding	KWH	16.06	Internal	Primary
Powder coating	KWH	111.80	Internal	Primary
Punching	KWH	2.70	Internal	Primary
Wood cutting	KWH	1.79	Internal	Primary
wood packing	KWH	2.71	Internal	Primary
Wood routing	KWH	23.90	Internal	Primary
<b>Total</b>		<b>186.91</b>		