CUBIC Easy Start Panel
Simplify the Future
The CUBIC Easy Start Panel

The CUBIC Easy Start Panel is part of the CUBIC switchboard system. Using CUBIC sheet metal parts, the CUBIC Easy Start Panel is suitable for applications of up to 630A (excluding busbar systems of any supplier).

The CUBIC Easy Start Panel offers design flexibility to meet the demands of any project, with individual doors, covers, internal housings and segregation for switchgear, cable zones and IP ratings ranging from IP 43 up to IP 54. The versatility of the modular system makes it easy and quick to assemble new electrical panels as well as extend and modify existing CUBIC panels.

When compared to a fully welded enclosure the CUBIC modular panel system provides you with greater flexibility and design options that offer enclosure solution to suit space limitations and all types of products to be installed.

1. Typical Applications excluding busbars *
   - Automation Control Cabinets
   - Control Panels
   - Motor Control Panels
   - Enclosed Drive Solutions
   - Distribution Boards

* The CUBIC Easy Start Panel is only allowed to be used for applications of up to 630A without the use of copper busbar supports of any supplier.

2. Your Benefits with CUBIC and NHP

The CUBIC Easy Start Panel offers:
   - Maximum versatility in designing panels to suit its place of installation
   - High quality product with the strongest and most rigid modular structure available on the market
   - Easy and smart design
   - Numerous possibilities for construction of panels
   - Future expansion or adjustments of existing CUBIC panels possible at any time

Additionally, NHP offers you:
   - Comprehensive technical support & service
   - Comprehensive sales support & service
   - Drawing support based on the customer’s general arrangement drawing
   - NHP’s leading range of switchgear, motor control and automation products
   - Local stock of Orange (RAL 2000) and Grey (RAL 7035)
3. Easy Start components and installation parts

The CUBIC Easy Start Panel is supplied in parts. Using relatively few standard parts, the Easy Start Panel is easy to assemble and can be constructed in many sizes. Furthermore, it can be divided into suitable sections.

All CUBIC width, height and depth dimensions are measured in multiples of 192mm which are called "modules". Multiples of modules are indicated by the designations: 1M, 2M, 3M ... 12M.

The CUBIC Easy Start Panel starts with:

a) The Framework

b) Internal fittings
   - Mounting Plates
   - Separation Plates
   - Vertical and horizontal covering to achieve form rating
   - Gear Plates
   - Multi Purpose Inserts (MPIs)

CUBIC Enclosure Systems have MPIs available for the installation of all types of electrical components such as:
   - Switches, MCCBs
   - Thermal overloads
   - Relays
   - Circuit breakers
   - Pushbuttons
   - Motor starters

The MPIs come in various combinations of width, height and depth which enables an almost 100% component adjustment. MPIs also offer extensive functionality and increased safety for personnel.

c) Finishes with

1. Cover
2. Door
4. Sizes for the CUBIC Easy Start Panel

The CUBIC Easy Start Panel can be designed in a variety of sizes. Whether you require a simple or complex panel solution CUBIC offers you the flexibility of building your own solution.

For instance the CUBIC Easy Start Panel can consist of only one tier with a control and transformer section or several tiers with further electrical components such as main switches or motor circuit breakers.

The CUBIC Easy Start Panel can be reconfigured and/or expanded at any time depending on your specific requirements.

Example of a CUBIC Control Cabinet excluding busbar systems

## Technical data

<table>
<thead>
<tr>
<th>Details</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction of enclosure</td>
<td>Panel type 100% modular design</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP 43, IP 54 optional</td>
</tr>
<tr>
<td>Sheet steel construction</td>
<td>Outside cover 1.25mm, doors 1.5mm and the base 3 mm steel</td>
</tr>
<tr>
<td></td>
<td>Mounting plates are of 2.5mm galvanised steel</td>
</tr>
<tr>
<td>Colours/Finish</td>
<td>Exterior: Grey RAL 7035, Orange RAL 2000</td>
</tr>
<tr>
<td></td>
<td>Interior: Gear trays – galvanised, dividing panels – powder coated grey</td>
</tr>
<tr>
<td>Panel construction type</td>
<td>There are no limits in design when using CUBIC</td>
</tr>
<tr>
<td>(with frame &amp; covers)</td>
<td></td>
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</tbody>
</table>
5. Get started with free CUBIC Easy Start Training

NHP offer a free ½ day training course to introduce companies to the possible modular panel solutions available when using CUBIC. The course is conducted by qualified training staff referring to common training material.

Location

• At NHP’s branches to introduce the CUBIC Easy Start panel to companies prior to a purchase, or
• At customer’s premises to provide hands-on training after delivery of the first CUBIC panel.

Training Purpose & Content

The CUBIC Easy Start Training enables you to assemble an Easy Start Panel of applications of up to 630A without busbar supports. It ensures that the final constructed panel is of a high standard. It includes:

• How to use the CUBIC documentation
• How to sketch an Easy Start Panel
• Hands-on practical demonstrations & construction
• How to fit accessory part into the panel, e.g. gear plates, MCCB housings.

All details of the assembly process obtain an overview of CUBIC products, box and panel construction, covering, form and IP ratings plus developing knowledge of insert systems.

Who can attend?

• Electrical contractors and automation companies who wish to construct CUBIC panels for use in automation & control cabinets, HVAC applications.
• Switchboard builders who wish to become familiar with the CUBIC Easy Start before advancing with accredited switchboard training offered through the CUBIC Global Accredited Switchboard training Program.

6. Advance with the CUBIC Accredited Switchboard Training

If you wish to advance with CUBIC to build a fully designed switchboard including busbar systems you are required to provide evidence of switchboard building experience to participate in further mandatory training that enables you to build switchboards of up to 3,200A (5 days training).

Additional training modules are available to build switchboards above 3,200A and withdrawable solutions.

Please contact your NHP Sales Representative for further details.
CONTACT NHP SALES
The CUBIC Easy Start Panel is the right solution, please contact your NHP Sales Representative.

TRAINING DATE
The NHP Sales Representative negotiates a training date with you and NHP’s CUBIC training team.

FREE TRAINING DAY
You receive a half day training free of charge at your local NHP branch at your premises.

SKETCH AND SEND
Send the sketch of your general arrangements to your NHP Sales Representative and state your required colour (orange or grey).

CONSTRUCT BILL OF MATERIAL
Based on your general arrangements sketch, a CUBIC expert will design the CUBIC equivalent product.

APPROVAL
The final drawing and Bill of Material will be sent to you for approval.

PLACE ORDER
Upon approval you place the sales order with NHP by emailing it to nhpsales@nhp.com.au or sales@nhp-nz.com

RECEIVE ITEMS
NHP send the CUBIC parts to you.

TECHNICAL SUPPORT
The CUBIC expert visits you and provides training on site.
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