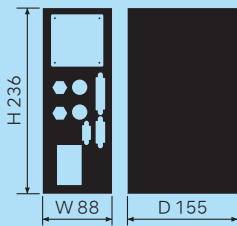
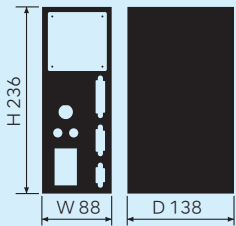


# E3000i and E3000 Controller Specification Comparison

|                                                                                                                                                                           | <br><b>NEW E3000i</b>                                               | <br><b>E3000</b>            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Processing Capacity</b><br><b>Processing Conditions</b><br>Drilling S50C $\phi 3.0 \times 6$ mm<br>NR-3060S / EM-3030T-J<br>Motor speed [ $\text{min}^{-1}$ ] : 13,000 | Feed per revolution [mm/rev] : 0.04<br>Feed rate [mm/min] : 520                                                                                      | Feed per revolution [mm/rev] : 0.02<br>Feed rate [mm/min] : 260                                                |
| Controllable motor spindle series                                                                                                                                         | <ul style="list-style-type: none"> <li>• E3000i</li> <li>• E3000</li> <li>• E2000</li> <li>• iSpeed3</li> <li>• HES</li> </ul>                       | <ul style="list-style-type: none"> <li>• E3000</li> <li>• HES</li> </ul>                                       |
| Number of connectable motor channels                                                                                                                                      | 2 ch<br>(Individual control only)                                   | 1 ch                        |
| Rotation speed setting units [ $\text{min}^{-1}$ ]                                                                                                                        | 200                                                                                                                                                  | 1,000                                                                                                          |
| Number of digits displayed on operation panel                                                                                                                             | 3 digits                                                          | 2 digits                  |
| Display of motor current value                                                                                                                                            | <input type="radio"/><br>(Select with DISP button)                | —                                                                                                              |
| Display of air pressure value                                                                                                                                             | <input type="radio"/><br>(Select with DISP button)                | —                                                                                                              |
| Key hold function<br>(prevents accidental operation)                                                                                                                      | <input type="radio"/><br>(Activate using the error reset button)  | —                                                                                                              |
| RPM display settings                                                                                                                                                      | <input type="radio"/> Motor speed                                                                                                                    | <input type="radio"/> Motor speed<br><input type="radio"/> Spindle rotation speed<br>(Depending on gear ratio) |
| Warning output selection                                                                                                                                                  | <input type="radio"/> (Select ON or OFF in parameter P19)                                                                                            | —                                                                                                              |
| Recordable number of errors                                                                                                                                               | 10 records                                                                                                                                           | 5 records                                                                                                      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div>NEW</div> <div>E3000i</div>                    | <div>E3000</div>                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Reposition the control panel to the rear side                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <div>○</div>  <div>Front side      Rear side</div> | <div>—</div>                                                                                                        |
| External dimensions [mm]                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <div>H 236 × W 88 × D 155</div>                    | <div>H 236 × W 88 × D 138</div>  |
| <div> <div>[Regarding installation and mounting]</div> <div>               The depth has been increased by 17 mm, but the design takes into account wiring space and hook positions, so it is designed to have a minimum impact in most installation environments. Additionally, there are no changes to the mounting dimensions of the enclosed mounting brackets (bottom and rear).             </div>  </div> |                                                                                                                                     |                                                                                                                     |
| Power Cord Hook is enclosed to prevent the power cord to come loose                                                                                                                                                                                                                                                                                                                                                                                                                                  | <div>○</div>                                     | <div>—</div>                                                                                                        |
| Brackets (DL-Type) prepared to secure the controller in a horizontal position<br><small>*Sold separately</small>                                                                                                                                                                                                                                                                                                                                                                                     | <div>○</div>                                     | <div>—</div>                                                                                                        |
| Control panel extension cord (4 m)<br><small>*Sold separately</small>                                                                                                                                                                                                                                                                                                                                                                                                                                | <div>○ E3000i-PEX4</div>                         | <div>○ E3000-PEX4</div>        |
| Connection to E3000 Selector                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <div>○</div>                                                                                                                        | <div>○</div>                                                                                                        |
| Network interface connection COMBOX-NET.EIP ready<br>                                                                                                                                                                                                                                                                                                                                                             | <div>○</div> <div>E3000 pin assignment ready (Setting in parameter P14)</div>                                                       | <div>○</div>                                                                                                        |



**NAKANISHI INC.**

**Headquarters**

700 Shimohinata, Kanuma, Tochigi 322-8666, Japan  
 TEL: +81-289-64-3520 / FAX : +81-289-62-1135

\*Specifications and design are subject to change without notice.

**en.nakanishi-spindle.com**  
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