

**TAKISAWA®**

**TVL-18**

**VERTICAL CNC LATHE**



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## specification

| ITEM                 |                                       | UNIT       | TVL18           |           |
|----------------------|---------------------------------------|------------|-----------------|-----------|
| CAPACITY             | MAX. SWING DIAMETER                   | mm         | φ 750           |           |
|                      | MAX. CUTTING DIAMETER                 | mm         | φ 750           |           |
|                      | MAX. CUTTING HEIGHT                   | mm         | 600             |           |
| SPINDLE              | SPINDLE NOSE                          |            | A2-11           |           |
|                      | SPINDLE SPEED                         | rmp        | 25 ~2000        |           |
|                      | SPINDLE BEARING DIAMETER              | mm         | φ 170           |           |
| TURRET               | NUMBER OF TOOLS                       | pcs        | 8               |           |
|                      | TOOL SIZE                             | mm         | OPTION 32, φ 50 |           |
| TRAVEL / FEEDRATE    | X AXIS TRAVEL                         | mm         | -50:+450        |           |
|                      | Z AXIS TRAVEL                         | mm         | 650             |           |
|                      | X AXIS RAPID FEEDRATE                 | m / min    | 20              |           |
|                      | Z AXIS RAPID FEEDRATE                 | m / min    | 20              |           |
| MOTOR                | SPINDLE MOTOR (CONT /30MIN)           | LOW        | kw              | 13 / 22   |
|                      |                                       | HIGH       | kw              | 18.5 / 22 |
|                      | X AXIS RAPID FEEDRATE                 | kw         | 3.0             |           |
|                      | Z AXIS RAPID FEEDRATE                 | kw         | 4.0             |           |
|                      | HYDRAULIC MOTOR                       | kw         | 2.2             |           |
|                      | CONVEYOR MOTOR                        | kw         | 0.2             |           |
| MACHINE BODY         | MOTOR OF COOLANT PUMP                 | kw         | 1.1+0.75        |           |
|                      | MACHINE(L X W)                        | mm         | 3480+1780       |           |
|                      | MACHINE(H)                            | mm         | 3520            |           |
|                      | MACHINE WEIGHT                        | kg         | 9000            |           |
|                      | POWER REQUIREMENT                     | kva        | 48              |           |
| STANDARD ACCESSORIES | TOOL HOLDER                           |            | 6 pcs           |           |
|                      | TOOL COLLET φ 20,25,32,40             |            | 4 pcs           |           |
|                      | 3-JAW POWER CHUCK                     |            | 15"             |           |
|                      | COOLANT SYSTEM                        |            | STANDARD        |           |
|                      | CHIP CONVEYOR,CHIP CART               |            | STANDARD        |           |
|                      | HYDRULIC UNIT                         |            | STANDARD        |           |
|                      | HEAT EXCHANGER FOR ELECTRICAL CABINET |            | STANDARD        |           |
|                      | AUTO LUBRICATION SYSTEM               |            | STANDARD        |           |
|                      | LIGHTING LAMP                         |            | STANDARD        |           |
| FANUC SYSTEM         |                                       | FANUC 0 iT |                 |           |
| OPTION ACCESSORIES   | 3 - JAW POWER CHUCK                   |            | 18"             |           |
|                      | TWO SPEED GEARBOXES                   |            | OPTION          |           |
|                      | AIR CONDITIONER FOR ELECTICAL BOX     |            | OPTION          |           |
|                      | VDI TURRET                            |            | OPTION          |           |
|                      | CALIPER UNIT TOOLS                    |            | OPTION          |           |
|                      | THE 4TH AXIS                          |            | OPTION          |           |
|                      | SPECIAL HOLDER/CHUCK                  |            | OPTION          |           |
|                      | VERTICAL TURRET                       |            | OPTION          |           |
|                      | 12 TOOLS TURRET                       |            | OPTION          |           |
|                      | OIL MIST FILTER                       |            | OPTION          |           |
|                      | TOOL SETTING PROB SYSTEM              |            | OPTION          |           |
|                      | LOADING/UNLOADING SYSTEM              |            | OPTION          |           |

**we reserve the right to change description in this brochure without notice.**