

# LAW-2S



|                |                            | ITEM            | UNIT                | LAW-2S                              |
|----------------|----------------------------|-----------------|---------------------|-------------------------------------|
| CAPACITY       | Swing over bed             |                 | mm (in.)            | 790 (31.10)                         |
|                | Swing over saddle          |                 | mm (in.)            | 530 (20.87)                         |
|                | Max machining dia          |                 | mm (in.)            | 630 (24.80) [upper]                 |
|                | Max workplace              |                 | in.                 | Max 20" [car wheel]                 |
| TRAVELS        | Upper turret               | Saddle          | mm (in.)            | 865 (34.06)                         |
|                |                            | Rapid traverse  | mm/min (ipm)        | 20,000 (787)                        |
|                |                            | Cross slide     | mm (in.)            | 380 [315+65] (14.96 [12.40+2.56])   |
|                |                            | Rapid traverse  | mm/min (ipm)        | 15,000 (591)                        |
|                | Lower turret               | Saddle          | mm (in.)            | 898 (35.35)                         |
|                |                            | Rapid traverse  | mm/min (ipm)        | 20,000 (787)                        |
|                |                            | Cross slide     | mm (in.)            | 250 [240 + 10] (9.84 [9.45 + 0.39]) |
|                |                            | Rapid traverse  | mm/min (ipm)        | 15,000 (591)                        |
| SPINDLE        | Speeds                     |                 | min <sup>-1</sup>   | 200 ~ 3,000                         |
|                | No. of speed ranges        |                 |                     | Infinitely variable                 |
|                | Spindle nose               |                 |                     | JIS A2-8                            |
|                | Spindle bore dia           |                 | mm (in.)            | ø53 (ø2.09)                         |
|                | Bearing inside dia         |                 | mm (in.)            | ø130 (ø5.12)                        |
| TURRETS        | Upper turret type          |                 |                     | V6                                  |
|                | No. of tools               |                 | mm (in.)            | L6                                  |
|                | Lower turret type          |                 |                     | V4                                  |
|                | No. of tools               |                 |                     | L4                                  |
|                | Tool shank/ boring bar dia |                 | mm (in.)            | □25 x 32/ø63 (1 x 1-1/4/ ø2-1/2)    |
| MOTORS         | Spindle (20 min/cont)      |                 | kW (hp)             | VAC 55/45 (75/60)                   |
|                | Upper Turret               | Saddle (Z)      | kW (hp)             | BL 3.6 (4.8)                        |
|                |                            | Cross slide (X) | kW (hp)             | BL 3.6 (4.8)                        |
|                |                            | Turret rotation | kW (hp)             | BL 4.3 (5.7)                        |
|                | Lower turret               | Saddle (Z)      | kW (hp)             | BL 2.6 (4.8)                        |
|                |                            | Cross slide (X) | kW (hp)             | BL 2.5 (3.3)                        |
|                |                            | Turret rotation | kW (hp)             | BL 1.4 (1.9)                        |
| Coolant system |                            | kW (hp)         | 0.8 (1.1) x 2 pumps |                                     |
| CNC            | Height                     |                 | mm (in.)            | 2,960 (106)                         |
|                | Floor space                |                 | mm (in.)            | 3,990 x 2,640 (157 x 104)           |
|                | Weight (w/ CNC system)     |                 | kg (lb)             | 11,500 (25,300)*                    |
| CNC            | Okuma                      |                 |                     | OSP-P200L                           |

\*Plus 300 kg (600 lb) for transformer