

**Hyundai Wia L300C(L)(BB) L400C(L)  
Vs. Doosan Puma 3100(L)**

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(877)902-3751

| BRAND   | Doosan   | Hyundai Wia  | Hyundai Wia  |   |
|---|--|--|--|---|
| MODEL   | Puma 3100(L)   | L300C(L)(BB)   | L400C(L)   |   |
| Guide Type  | Box  | Box  | Box  |   |
| Bed Angle   | 30   | <b>45</b>  | <b>45</b>  | <i>A 45 degree bed is optimal for rigidity, chip evacuation and subsequent thermal stability!</i> |
| Max. Turning Diameter   | 20.7"  | <b>22"</b>   | <b>24.8"</b>   | <i>Hyundai L400LC has more Turning Diameter!</i>  |
| Max. Turning Length   | <b>31.1" (51.6")</b>   | 28.3" ( <b>52"</b> )   | <b>46.1" (83.5" on LC)</b>   | <i>Hyundai L400C (LC) has more Turning length!</i>  |
| Chuck (Class)   | 12"  | 12" (Opt 15")  | 15" (Opt 18")  |   |
| Max. Bar Capacity   | 4"   | 4"   | <b>4.6"</b>  | <i>Hyundai L400C has bigger bar capacity!</i>   |
| Rapid Traverse X-axis   | <b>1181 IPM</b>  | 787 IPM  | 787 IPM  |   |
| Rapid Traverse Z-axis   | <b>1181 IPM</b>  | 984 IPM  | 945 IPM  |   |
| Axes Servo Motor HP (X/Z)   | 4.0/5.3  | <b>5.3/5.3</b>   | <b>9.3/9.3</b>   | <i>Hyundai Wia has higher axes servo motor horsepower!</i>  |
| Max. Spindle Speed  | 2800 RPM   | 2800 RPM   | 2000 RPM   |   |
| Spindle Motor (30Min/Cont)  | 35/30 HP   | 35/30 HP   | 35/30 HP   |   |
| Spindle Torque (30Min/Cont)   | 884 / 748 ft-lbs   | <b>977.3 / 826.8 ft-lbs</b>  | <b>1293 / 1094 ft-lbs</b>  | <i>Hyundai L300 and L400 have more torque!</i>  |
| Spindle Type  | A2-11 Belt Type Geared   | <b>A2-11 GEARED HEAD</b>   | A2-11 Belt Type Geared   |   |
| Number of Tools std.  | 12   | 12   | 10 (Opt 12)  |   |
| Turret (Tool Post) Clamp Force  | 53 KN (11,915 lbs)   | <b>14,425 lbs</b>  | <b>24,735 lbs</b>  | <i>Hyundai Wia has significantly more turret (tool post) clamping force!</i>                      |
| Turning Tool Shank Size   | 1" x 1"  | 1" x 1"  | <b>1.2" x 1.2"</b>   | <i>Hyundai L400 has larger ID tool holders!</i>   |
| Boring Bar Diameter   | 2"   | 2"   | 2"   |   |
| Tailstock Quill Type  | #5   | #5   | #5   |   |
| Machine Weight  | 12,897 lbs (16,203)  | <b>14,100 lbs (17,765 lbs)</b>   | <b>18739 lbs (24250 on LC)</b>   | <i>Hyundai L300 and L400 have heavier construction!</i>   |
| Source  | <a href="http://www.doosanmachinetools.com">www.doosanmachinetools.com</a> | <a href="http://www.machine.hyundai-wia.com">www.machine.hyundai-wia.com</a> | <a href="http://www.machine.hyundai-wia.com">www.machine.hyundai-wia.com</a> |   |
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