

**Hyundai Wia F650PLUS
Vs. Doosan DNM 650 II DNM 6700**

| BRAND | Doosan | Doosan | Hyundai Wia | |
|--|--|--|--|---|
| MODEL | DNM 650 II | DNM 6700 | F650PLUS | |
| Table Size | 51.2" x 26.4" | 59.1" x 26.4" | 63" x 25.6" | <i>Hyundai has much larger working surface/table!</i> |
| X Axis Travel | 50" | 51.2" | 55.1" | <i>Hyundai has more X travel!</i> |
| Y Axis Travel | 26.4" | 26.4" | 26" | |
| Z Axis Travel | 24.6" | 24.6" | 25" | |
| Spindle to Table | 5.9" ~ 30.5" | 5.9" ~ 30.5" | 5.9" ~ 30.9" | |
| Slide Type | Roller; (2) Y-Axis LM Guides) | Roller; (2) Y-Axis LM Guides) | Roller; (4) Y-Axis LM Guides) | <i>Hyundai Wia uses 4 Y Axis Guideways under the saddle instead of 2</i> |
| Rapid Traverse X Axis | 1417 IPM | 1417 IPM | 1417 IPM | |
| Rapid Traverse Y Axis | 1417 IPM | 1417 IPM | 1417 IPM | |
| Rapid Traverse Z Axis | 1181 IPM | 1181 IPM | 1181 IPM | |
| Axes Servo Motor HP (XYZ) | 5.4 / 5.4 / 5.4 | <i>Not Published</i> | 5.4 / 5.4 / 5.4 | |
| Table Load | 2204 lbs | 2866 lbs | 2866 lbs | |
| Max Spindle HP | 25 HP | 25 HP | 25 HP | |
| Max Spindle Speed | 8k [12k] [8k] | 8k [12k] | 10k [8k] | |
| Max Spindle Torque | 87 ft-lbs [86.3 ft-lbs] [88.6 ft-lbs] | 211 ft-lbs [87 ft-lbs] | 87 ft-lbs [211 ft-lbs] | |
| Spindle Type | #40 | #40 | #40 | |
| Max Tools | 30 | 30 | 30 | |
| Max Tool Diameter | 4.9" | 4.9" | 4.9" | |
| Max Tool Length | 11.8" | 11.8" | 11.8" | |
| Max Tool Weight | 17.6 lbs | 17.6 lbs | 17.6 lbs | |
| Tool Change Time (C-C) | 3.7 sec | 3.2 sec | 3.8 sec | |
| Machine Weight | 18,739 lbs | 18,739 lbs | 20,944 lbs | <i>Hyundai has much heavier construction! Outweighs Doosan by 2200 lbs!</i> |
| Source | www.doosanmachinetools.com | www.doosanmachinetools.com | www.machine.hyundai-wia.com | |
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