



## MOTOR GRADERS

| DESCRIPTION                 | Units       | BG605   | BG605BX   | BG605A  | BG825  |
|-----------------------------|-------------|---|---|---|--|
| <b>Engine</b>               |             |   |   |   |  |
| Frame                       |             | Rigid   | Rigid   | Articulated   | Articulated  |
| Engine / model              |             | BEML / BSD125-1   | BEML / BS6D105-1  | BEML / BS6D125-1  | BEML / BS6D140-1                                   |
| Power                       | hp/rpm (kW) | 145/1800 (108)  | 135/2400 (101)  | 173/2400 (129)  | 280/2100 (209)                                     |
| Operating Mass              | kg          | 12650   | 11000   | 14000   | 25750  |
| <b>TRANSMISSION</b>         |             |   |   |   |  |
| Make/Type                   |             | BEML / Hydrosift  | AVTEC (TRT2431-3 (OD))  | BEML / Power Shift  | BEML / Hydrosift Planetary                         |
| No. of Travel Speeds        |             | 6F/6R   | 4F/4R   | 6F/6R   | Gear multiple Disc Hyd. actuated                   |
| Travel Speeds (F/R)         |             | 43.6/51.6   | 36.3/37.58  | 43.6/51.6   | 8F/8R  |
| Max.                        | kmph        | 3.5/4.1   | 5.5/5.65  | 3.5/4.1   | 44.9/47.9  |
| Min.                        | kmph        | 7700  | 6200  | 9400  | 4.0/4.3  |
| Max. Drawbar pull           | kg          |   |   |   | 14420  |
| <b>Steering Type</b>        |             |   |   |   |  |
| Max. Steering Angle         | Degrees     | 40° each side   | 40° each side   | 40° each side   | 50° each side                                      |
| Min. Turning radius         | mm          | 10400   | 10700   | 7300  | 7900   |
| <b>Mould board</b>          |             |   |   |   |  |
| Length x Height x Thickness | mm          | 3710 x 540 x 20   | 3710 x 540 x 20   | 3710 x 540 x 20   | 4928 x 800 x 25                                    |
| <b>Cutting edge</b>         |             |   |   |   |  |
| Length X Height X Thickness | mm          | 914 x 152 x 16  | 914 x 152 x 16  | 914 x 152 x 16  | 2438 x 203 x 19                                    |
| <b>Blade range</b>          |             |   |   |   |  |
| Max. lift above ground      | mm          | 400   | 400   | 400   | 490  |
| Max. drop below ground      | mm          | 570   | 570   | 570   | 680  |
| Max. shoulder reach :       |             |   |   |   |  |
| Left                        | mm          | 2115  | 2115  | 2115  | 2400   |
| Right                       | mm          | 2055  | 2055  | 2055  | 2400   |
| Max. Bank cutting angle     | Degrees     | 90  | 90  | 90  | 90   |
| <b>BRAKES</b>               |             |   |   |   |  |
| Service Brake               |             | Foot operated, internal expanding, shoe type, air over hydraulic brakes actuate on all four rear wheels | Foot operated, internal expanding shoe type air over hydraulic brakes actuate on all four rear wheels | Foot operated, oil disc brakes air actuated on 4 rear wheels , Two crossed brake lines for sure braking |  |
| <b>Tyres</b>                |             |   |   |   |  |
|                             |             | 13.00x24-12PR (G-2)<br>Traction Type  | 13.00x24 -12 PR (G-2)<br>Traction Type  | 13.00x24 -12 PR (G-2)<br>Traction Type  | 18.00x25 - 12 PR (L-3)<br>Rock Type Tubeless tyres |
| <b>DIMENSIONS</b>           |             |   |   |   |  |
|                             | mm          |   |   |   |  |
| Overall length              |             | 8415  | 8415  | 8505  | 10010  |
| Overall width               |             | 2375  | 2375  | 2375  | 3050   |
| Overall height              |             | 3200  | 3200  | 3200  | 3550   |

### Optional Items :

Scarifier, Front Dozer Blade, ROPS Cabin, Rear mounted Ripper