

## Mitsui S-125 Comparison Sheet

| <b>MITSUBI ROAD HEADER SPECIFICATION ©</b> |                    |                                    |                     |
|--|--------------------|------------------------------------|---------------------|
| Item                                       | Model              | S200-50                            | S125-24             |
| Total length                               | m                  | 15.5                               | 13.0                |
| Total height                               | m                  | 3.0                                | 2.3                 |
| Total width                                | m                  | 3.6                                | 2.8                 |
| Total weight                               | ton                | 50                                 | 30                  |
| Cutting height                             | m                  | 6.0                                | 4.3                 |
| Cutting width                              | m                  | 6.4                                | 5.0                 |
| Machine body to floor                      | m                  | 0.30                               | 0.36                |
| Cutting cross-sectional area               | m <sup>2</sup>     | 35                                 | 27                  |
| Cutting motor                              | kW                 | 200-4p, 110-8p                     | 125-4p, 75-8p       |
| Rotational frequency of cutting drum       | rpm                | 23/28 or 46/55                     | 23/28 or 46/55      |
| Expansion stroke X force                   |                    | 0.7 X 24                           | 0.5 X 15.2          |
| Drum axis torque                           | t-m                | 4.2                                | 2.6                 |
| Pick tangential force                      | t                  | 9.3                                | 6.5                 |
| No.1 conveyor                              |                    | Center chain driven                | Center chain driven |
| Conveyor width                             | mm                 | 650                                | 600, 450            |
| Conveyor speed                             | m/min              | 41/49                              | 41/49               |
| Conveyor power                             | kW                 | 22(Hydraulic)                      | 15(Hydraulic)       |
| No.2 conveyor                              |                    | Belt driven                        | Belt driven         |
| Belt width                                 | mm                 | 900                                | 750                 |
| Conveyor speed                             | m/min              | 61/73                              | 61/73               |
| Conveyor power                             | kW                 | 5.5                                | 3.7                 |
| Crawler width                              | mm                 | 600                                | 500                 |
| Crawler length                             | m                  | 2.9                                | 2.3                 |
| Type of brake                              |                    | Hydraulic and Mechanical brake     | Hydraulic brake     |
| Floor bearing pressure                     | kg/cm <sup>2</sup> | 1.3                                | 1.3                 |
| Crawler traveling speed                    | m/min              | 8.0/9.6                            | 6.3/7.5             |
| Travel force                               | t                  | 30                                 | 21                  |
| Gradeability                               |                    | ±15                                | ±15                 |
| Travel power                               |                    | 2 X 19(Hydraulic)                  | 2 X 15(Hydraulic)   |
| Hydraulic pump                             |                    | Gear pump X 3<br>Variable pump X 1 | Gear pump X 4       |
| Working pressure                           | kg/cm <sup>2</sup> | 170~210                            | 160~210             |
| Hydraulic motor                            | kW                 | 80                                 | 37                  |
| Overload cutting prevention                |                    | Power control                      | Shear-pin           |
| Drum interior water spraying               |                    | Provided                           | Not provided        |