

RIPPA BRAND EXCAVATORS: POWER & PERFORMANCE

|                              |                                                           |                           |  |  |  |  |  |  |  |  |
|------------------------------|-----------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Brand model                  |                                                           |                           | R10-5 ECO                                                                         | R13-3 PRO                                                                         | R15-4 ECO                                                                           | R18-4 PRO                                                                           | R22-2 PRO                                                                           | R32-3 PRO                                                                           | R57-1 PRO                                                                           | R82-1 PRO                                                                           |
| Engine                       | Engine model                                              |                           | Kubota Z482                                                                       | Kubota D722                                                                       | Kubota D722                                                                         | Kubota D902                                                                         | Kubota D1105                                                                        | Kubota V1505                                                                        | Kubota V2607                                                                        | Yanmar 4TNV94L /Yanmar 4TNV98C /Kubota V2607                                        |
|                              | Number of cylinders                                       |                           | 2                                                                                 | 3                                                                                 | 3                                                                                   | 3                                                                                   | 3                                                                                   | 4                                                                                   | 4                                                                                   | 4                                                                                   |
|                              | Rated power                                               |                           | 8.2kw/11 hp                                                                       | 10.2kw/13.7 hp                                                                    | 10.2kw/13.7 hp                                                                      | 11.8kw/15.80 hp                                                                     | 18.2kw/24.4 hp                                                                      | 18.2kw/24.4 hp                                                                      | 35.5kw/47.6 hp                                                                      | 35.9kw/48.1 hp<br>49.9kw/66.9 hp<br>35.5kw/47.6 hp                                  |
| Main pump                    | Number of main pump types                                 |                           | Gear pump × 1                                                                     | Gear pump × 3                                                                     | Gear pump × 3                                                                       | Variable displacement piston pump × 1                                               | Variable displacement piston pump × 1                                               | Variable displacement piston pump × 1                                               | Variable displacement piston pump × 1                                               | Variable displacement piston pump × 1                                               |
|                              | Maximum flow rate                                         |                           | 18L/min<br>4.76 GPM                                                               | 25L/min<br>6.6 GPM                                                                | 21.6L/min<br>5.7 GPM                                                                | 41.4L/min<br>10.9 GPM                                                               | 67.2L/min<br>17.7 GPM                                                               | 99L/min<br>26.1 GPM                                                                 | 149.6L/min<br>39.5 GPM                                                              | 144L/min / 38 GPM<br>172.8L/min / 45.7 GPM<br>149.6L/min/39.5GPM                    |
| Operating system             | Compound motion                                           |                           | /                                                                                 | ✓                                                                                 | /                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                              | Pilot system                                              |                           | /                                                                                 | 4-way pilot-operated<br>+4-way mechanically operated                              | 4-way pilot-operated<br>+4-way mechanically operated                                | 10-way pilot-operated                                                               | 9-way pilot-operated                                                                | 9-way pilot-operated                                                                | 8-way pilot-operated                                                                | 8-way pilot-operated                                                                |
| Valve<br>(Control principle) | Valve types                                               |                           | Mechanical control valve                                                          | Hydraulic and mechanical valve                                                    | Hydraulic and mechanical valve                                                      | Load-sensitive control valve                                                        | Load-sensitive control valve                                                        | Load-sensitive control valve                                                        | Load-sensitive control valve                                                        | Load-sensitive control valve                                                        |
| Hydraulic motor              | Travel motor                                              | Single-speed<br>Two-speed | Single-speed                                                                      | Two-speed                                                                         | Two-speed                                                                           | Two-speed                                                                           | Two-speed                                                                           | Two-speed                                                                           | Two-speed                                                                           | Two-speed                                                                           |
|                              |                                                           | Motor types               | Cycloidal motor                                                                   | Cycloidal motor                                                                   | Cycloidal motor                                                                     | Plunger motor                                                                       | Plunger motor                                                                       | Plunger motor                                                                       | Plunger motor                                                                       | Plunger motor                                                                       |
|                              | Swing motor                                               | Motor types               | Cycloidal motor                                                                   | Cycloidal motor                                                                   | Cycloidal motor                                                                     | Cushioned cycloidal motor                                                           | Cushioned cycloidal motor                                                           | Cushioned plunger motor                                                             | Plunger motor                                                                       | Plunger motor                                                                       |
| Basic parameters             | Total weight                                              |                           | 978kg/2152 lb                                                                     | 1320kg/2904.0 lb                                                                  | 1445kg/3179.0 lb                                                                    | 1818kg/4008 lb                                                                      | 2439kg/5366.0 lb                                                                    | 3219kg/7082.0 lb                                                                    | 5775kg/12705 lb                                                                     | 8275kg/18205 lb                                                                     |
|                              | System working pressure                                   |                           | 16MPa<br>2320.6psi                                                                | 18MPa<br>2610.7psi                                                                | 18MPa<br>2610.7psi                                                                  | 20MPa<br>2900.8psi                                                                  | 20MPa<br>2900.8psi                                                                  | 20MPa<br>2900.8psi                                                                  | 22.5MPa<br>3263.4psi                                                                | 22.5MPa<br>3263.4psi                                                                |
|                              | Maximum excavation depth                                  |                           | 1833mm/72.2in                                                                     | 2044mm/80.5in                                                                     | 1807mm/71.1in                                                                       | 2420mm/95.3in                                                                       | 2293mm/90.3in                                                                       | 2827mm/111.3in                                                                      | 3785mm/149.0in                                                                      | 4020mm/158.3in                                                                      |
|                              | Minimum transport width                                   |                           | 912mm/35.9in                                                                      | 849mm/33.4in                                                                      | 983mm/38.7in                                                                        | 989mm/38.9in                                                                        | 1300mm/51.2in                                                                       | 1550mm/61.0in                                                                       | 2000mm/78.7in                                                                       | 2242mm/88.3in                                                                       |
|                              | Swing System                                              |                           | Conventional                                                                      | ZTS                                                                               | ZTS                                                                                 | ZTS                                                                                 | ZTS                                                                                 | ZTS                                                                                 | Conventional                                                                        | Conventional                                                                        |
|                              | Total track length                                        |                           | 2664mm/104.84in                                                                   | 2952mm/116.22in                                                                   | 2952mm/116.22in                                                                     | 3552mm/139.84in                                                                     | 3948mm/155.47in                                                                     | 4410mm/173.62in                                                                     | 5400mm/212.60in                                                                     | 5852mm/230.39in                                                                     |
| Other                        | Smart display system                                      |                           | /                                                                                 | /                                                                                 | /                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                              | Number of attachment ports                                |                           | 4                                                                                 | 4                                                                                 | 4                                                                                   | 4                                                                                   | 4                                                                                   | 4                                                                                   | 4                                                                                   | 4                                                                                   |
|                              | Hydraulic oil cooler                                      |                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                              | TOPS                                                      |                           | /                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | /                                                                                   | /                                                                                   |
|                              | ROPS                                                      |                           | /                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | /                                                                                   | /                                                                                   |
|                              | Counterweight                                             |                           | 0                                                                                 | 148kg/326.3 lb                                                                    | 144kg/317.5 lb                                                                      | 206kg/454.2 lb                                                                      | 174kg/383.6 lb                                                                      | 345kg/760.6 lb                                                                      | 205kg/451.9 lb                                                                      | 620kg/1366.9 lb                                                                     |
|                              | Track specifications<br>(Width × Pitch × Number of Links) |                           | 180mm*72mm*37L<br>7.09in*2.83in*37L                                               | 180mm*72mm*41L<br>7.09in*2.83in*41L                                               | 180mm*72mm*41L<br>7.09in*2.83in*41L                                                 | 230mm*48mm*74L<br>9.06in*1.89in*74L                                                 | 250mm*47mm*84L<br>9.84in*1.85in*84L                                                 | 300mm*52.5mm*84L<br>11.81in*2.07in*84L                                              | 400mm*135mm*40L<br>15.75in*5.32in*40L                                               | 450mm*154mm*38L<br>17.72in*6.06in*38L                                               |
|                              | Track type                                                |                           | Rubber track                                                                      | Steel track with rubber pads                                                      | Rubber track                                                                        | Rubber track                                                                        | Rubber track                                                                        | Rubber track                                                                        | Steel track with rubber pads                                                        | Steel track with rubber pads                                                        |
|                              | Air conditioner                                           |                           | /                                                                                 | /                                                                                 | /                                                                                   | /                                                                                   | Heat and cool air conditioner                                                       | Heat and cool air conditioner                                                       | Heat and cool air conditioner                                                       | Heat and cool air conditioner                                                       |
| Configuration                | Engine                                                    | YOUP                      | ○                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   |
|                              |                                                           | B&S                       | ○                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   |
|                              |                                                           | Yanmar                    | —                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   | ○                                                                                   | ●                                                                                   |
|                              | Front-mounted attachment                                  |                           | ○                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   | —                                                                                   |
|                              | Retractable tracks                                        |                           | ○                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | —                                                                                   | /                                                                                   | /                                                                                   |
|                              | Side swing boom                                           |                           | ○                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ○                                                                                   | ○                                                                                   |
|                              | Cabin                                                     |                           | ○                                                                                 | /                                                                                 | ○                                                                                   | ○                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |

Note: ● Standard      ○ Optional      — Not available