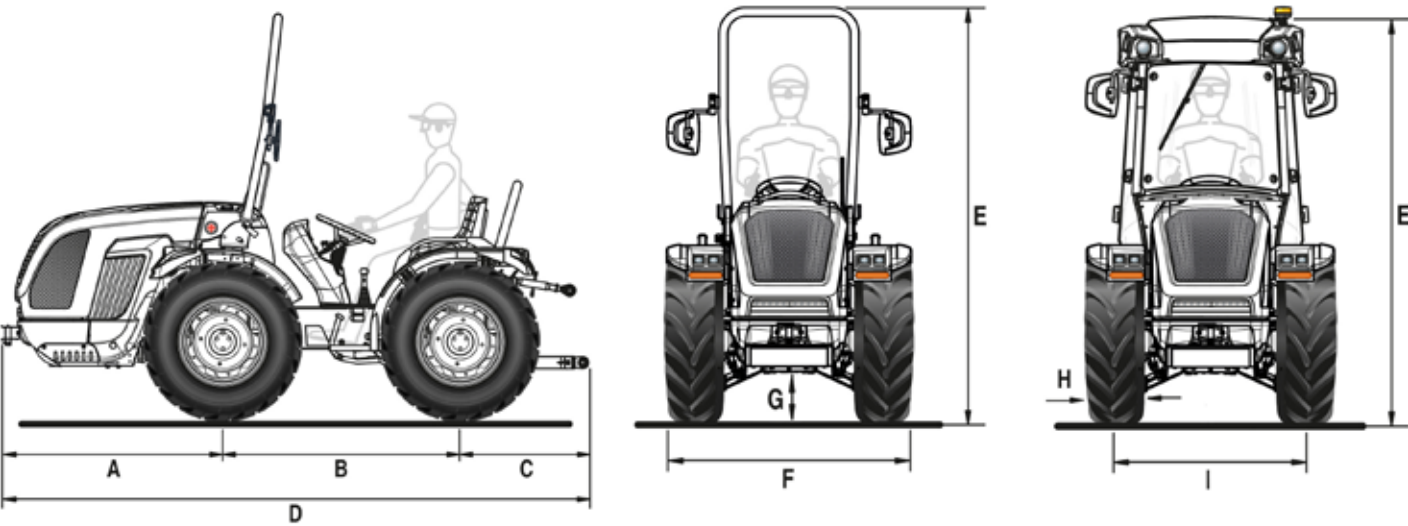


# VANGUARD 65 AR



| A    | B    | C   | D    | E<br>min / max<br>(with roll-bar) | E<br>min / max<br>(with cab) | F<br>min / max | G<br>min / max |
|------|------|-----|------|-----------------------------------|------------------------------|----------------|----------------|
| 1248 | 1390 | 779 | 3417 | 2195 / 2270                       | 2087 / 2132                  | 1002 / 1438    | 200 / 275      |

Dimensions in mm

|   | 8.25-16             | 210/95 R16          | 250/80-18           | 280/70 R18          | 280/70R18<br>Garden |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|
|   | with adjustable rim | with adjustable rim | with adjustable rim | with adjustable rim | with adjustable rim |
| H | 212                 | 208                 | 240                 | 282                 | 282                 |
| I | 794 / 1110          | 794 / 1110          | 865 / 1107          | 869 / 1119          | 869 / 1119          |
| F | 1006 / 1322         | 1002 / 1318         | 1105 / 1347         | 1151 / 1401         | 1151 / 1401         |

|   | 320/65 R18          | 260/70 R20          | 31x15.50-15 XTC | 31x15.50-15 STG | 33x15.50-15 XTC |
|---|---------------------|---------------------|-----------------|-----------------|-----------------|
|   | with adjustable rim | with adjustable rim | with fixed rim  | with fixed rim  | with fixed rim  |
| H | 319                 | 258                 | 368             | 394             | 391             |
| I | 931 / 1119          | 846 / 1120          | 1003            | 1003            | 1003            |
| F | 1250 / 1438         | 1104 / 1378         | 1371            | 1397            | 1394            |

Dimensions in mm - min / max  
H = Tyre width - I = Wheel track - F = Tractor width

| TECHNICAL FEATURES                                                               | VANGUARD 65 AR                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ENGINE                                                                           | Rehiko KDI 1903 TCR   Diesel common rail direct injection   Turbo intercooler   3 cylinders   1861 cc   Liquid cooling   Stage V                                                                                                                                  |
| Power                                                                            | 42 kW / 56 hp @2600 rpm   Max torque 190 Nm@1500 rpm                                                                                                                                                                                                              |
| Engine speed management                                                          | Electronically regulated with hand throttle knob and button with functions for: memorize/recall/exclude the set engine speed                                                                                                                                      |
| CHIASSIS                                                                         | Swinging integral chassis (±15°) OS-FRAME with central articulation                                                                                                                                                                                               |
| DRIVE                                                                            | Permanent four-wheel drive                                                                                                                                                                                                                                        |
| TRANSMISSION                                                                     | 24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser                                                                                                                                                                                       |
| Min/max forward speed (km/h)                                                     | 0.7 / 32                                                                                                                                                                                                                                                          |
| Transmission clutch                                                              | Multidisc in oil bath                                                                                                                                                                                                                                             |
| DIFFERENTIAL                                                                     | Front and rear with simultaneous locking and electro-hydraulic control                                                                                                                                                                                            |
| AXLES                                                                            | Front and rear with planetary reduction units                                                                                                                                                                                                                     |
| REAR PTO                                                                         | Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO                                                                                                                                              |
| PTO clutch                                                                       | Multidisc in oil bath with electro-hydraulic control                                                                                                                                                                                                              |
| PTO rotation speed (rpm)                                                         | 540/540E                                                                                                                                                                                                                                                          |
| HYDRAULIC SYSTEM                                                                 | Dual circuit with independent pumps                                                                                                                                                                                                                               |
| Hydraulic flow rate of the power steering and electro-hydraulic controls (l/min) | 17                                                                                                                                                                                                                                                                |
| Hydraulic flow rate of the lift and control valves (l/min)                       | 22 (optional: oversized pump with 30 l/min flow rate and heat exchanger)                                                                                                                                                                                          |
| Maximum hydraulic pressure (bar)                                                 | 180                                                                                                                                                                                                                                                               |
| REAR LIFT                                                                        | By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled                                                                                                                                                                       |
| 3-point implement hitch                                                          | Standard: normal couplings cat. 1 - Optional: quick-couplings cat. 1 and 2, L-shaped (arms adjustable in length and hooks adjustable in width)                                                                                                                    |
| Third point tie rod                                                              | Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm (only for lift with L-shaped arms)                                                                                                                          |
| Ball joint lifting capacity (kg)                                                 | 1510                                                                                                                                                                                                                                                              |
| REAR CONTROL VALVES                                                              | Mechanically controlled                                                                                                                                                                                                                                           |
| Standard                                                                         | With rear up/down lift: 1 double-acting and free flow oil return (total 3 hydraulic outlets) - With position and draft-controlled rear lift: 1 double-acting, 1 multifunctional double-acting and free flow oil return (total 5 hydraulic outlets)                |
| Optional                                                                         | With rear up/down lift: up to 7 hydraulic outlets in total and free flow oil return                                                                                                                                                                               |
| Joystick (optional)                                                              | Proportional electronic control of rear lift and control valves consisting of: 1 continuous flow with adjustable flow rate and free flow oil return, 3 double-acting (replacing the standard ones), oversized pump and heat exchanger (total 8 hydraulic outlets) |
| DRIVING POSITION                                                                 | Monodirectional or reversible with rotating platform suspended on silent blocks and twin pedal assembly                                                                                                                                                           |
| Steering wheel                                                                   | Height adjustable                                                                                                                                                                                                                                                 |
| Seat                                                                             | Comfort seat with adjustable suspension according to the operator's weight, safety belt and man-on-board sensor                                                                                                                                                   |
| SERVICE BRAKES                                                                   | Multidisc in oil bath with mechanical control, acting on the rear wheels                                                                                                                                                                                          |
| Parking brake                                                                    | Acting on service brakes                                                                                                                                                                                                                                          |
| STEERING                                                                         | Hydrostatic steering with two steering cylinders acting on the central joint. Flow deviator for steering unit in the reversible version                                                                                                                           |
| SAFETY                                                                           | Front homologated roll-bar with gas spring for easy lowering and lifting                                                                                                                                                                                          |
| CABIN (optional)                                                                 | VISTA CLIMA model, homologated and soundproofed with monocoque body with a 4-upright suspended on silent block. Ventilation, heating and air-conditioning system. Fabric seat, car radio preparation, LED beacon lamp, front and rear LED working lights          |
| DASHBOARD                                                                        | Instrument panel with analogue gauges and TFT digital colour display                                                                                                                                                                                              |
| Standard equipment                                                               | Vehicle Control Unit, LED street light and indicator system, single-pole dashboard socket, rear 7-pin socket                                                                                                                                                      |
| TYRES                                                                            | Tractor: 8.25-16 * 210/95R16 * 250/80-18 * 280/70R18 * 320/65R18 * 260/70R20   Garden: 280/70R18   Terra Tyre: 31x15.50-15 XTC * 31x15.50-15 STG * 33x15.50-15 XTC                                                                                                |
| TOW HOOKS                                                                        | Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved or EC with Slider frame or CUNA with Slider frame or EC tow bar with Slider frame                                                                                 |
| RUNNING ORDER WEIGHT                                                             | With roll-bar: 1625 kg - With cabin: 1770 kg                                                                                                                                                                                                                      |
| ADDITIONAL OPTIONS                                                               | Self Cleaning System™, front bumper, beacon lamp, front LED working lights, rear adjustable working light, front weights 110 kg total and wheel weights 45 kg each                                                                                                |