

# 1475XL EVO ROCK HAWG



Tesmec 1475XL EVO Rockhawk is a high performance 115 metric ton-class surface miner featuring a 630 HP (470 kW) engine employed in bulk excavation and tunneling projects, surface mining, tunneling and very large diameter pipelines

## STANDARD FEATURES

**Productivity** Achieve maximum productivity with 1475XL EVO tractor and Rockhawk attachment, offered as standard with drum guard, cross conveyor and track protection (Upcutting configuration only), TrenchTronic and Re.M. It can work in Up cutting and Down cutting by changing configuration.

**Modularity** Enhance 1475XL EVO potential exploiting its modularity. This model is available also with a Chainsaw attachment, making it the ideal solution for multiple applications. Through the swap kit it is possible to change the machine backend and use it for other projects.

**Safety in cab** Experience the safety of the pressurized cab with air conditioning, heating and sound suppression. This is elevating with ROPS and FOPS, as well as compartment security locks.

## OPTIONAL FEATURES

- Air compressor, automatic greasing kit, automatic drum greasing kits, security kit and work light package
- Water spray dust suppression system
- TrenchIntel, Smart Tracker and Laser automatic system for depth control
- Rubber track pads
- Remote control for maintenance
- Trencher radio control system
- Swap kit to Chainsaw attachment

## STATE OF THE ART TECHNOLOGY

**TrenchIntel** The extra high precision 3DGPS guidance system for automatic depth and grade control, auto-steering to a predefined path, pass optimization and fleet control

**TrenchTronic 5.0** Electronic control with operator selectable digging pressure, fully automatic operation, and remote diagnostic system

**Re.M** The remote monitoring system with machine data remote monitoring, fleet location management, troubleshooting information and operating conditions

## TRENCHING DIMENSIONS



## TRANSPORT DIMENSIONS

|                                 | METRIC               | US                    |
|---------------------------------|----------------------|-----------------------|
| <b>Lenght</b>                   |                      |                       |
| With drum and drum guard        | 1.147 cm             | 37' 7"                |
| Without drum guard              | 1.110 cm             | 36' 5"                |
| Without drum (Tractor only)     | 917 cm               | 30' 1"                |
| <b>Width</b>                    |                      |                       |
| With drum                       | 420 cm               | 13' 9"                |
| Without drum                    | 411 cm               | 13' 6"                |
| Without drum and digging motors | 350 cm               | 11' 6"                |
| <b>Height</b>                   | 378 cm               | 12' 5"                |
| <b>Weight</b>                   | 108.861 - 115.665 Kg | 240.000 - 255.000 lbs |
| <b>Ground pressure</b>          | 1.51 - 1.60 kg/cm2   | 21.5 - 22.80 psi      |

## ENGINE

|  | METRIC  | US                |
|--|---|-------------------|
| <b>Model and Max HP (kW)</b>           |   |                   |
| Tier 4/Stage IV CAT C18 ACERT          | 630 hp (470 kW)   |                   |
| Tier 3 CAT C18 ACERT                   | 630 hp (470 kW)   |                   |
| <b>Max no load rpm</b>                 | 2.000 RPM   |                   |
| <b>Fuel tank capacity</b>              | 1.590 L   | 420 gal           |
| <b>Fuel consumption (at full load)</b> |   |                   |
| Tier 4/Stage IV                        | 122.9 L/hr  | 32.5 gal/hr       |
| Tier 3                                 | 128.8 L/hr  | 34 gal/hr         |
| <b>AD Blue/DEF consumption</b>         |   |                   |
| Tier 4/Stage IV                        | 4,30 L/hr   | 1.13 gal/hr       |
| <b>Cooling rating</b>                  | 54.4°C ambient air  | 129°F ambient air |
| <b>Air cleaner</b>                     | Dry type, two stages with pre-cleaner and automatic dust ejection |                   |

## TRACKS

|                         | METRIC                                 | US     |
|-------------------------|--|--------|
| <b>Track chain type</b> | 365/374                                |        |
| <b>Track lenght</b>     | 473 cm                                 | 15' 6" |
| <b>Track pad width</b>  | 76 cm                                  | 2' 6"  |
| <b>Track pad type</b>   | Demi-Grouser (Single grouser optional) |        |

## CRAWLER DRIVE

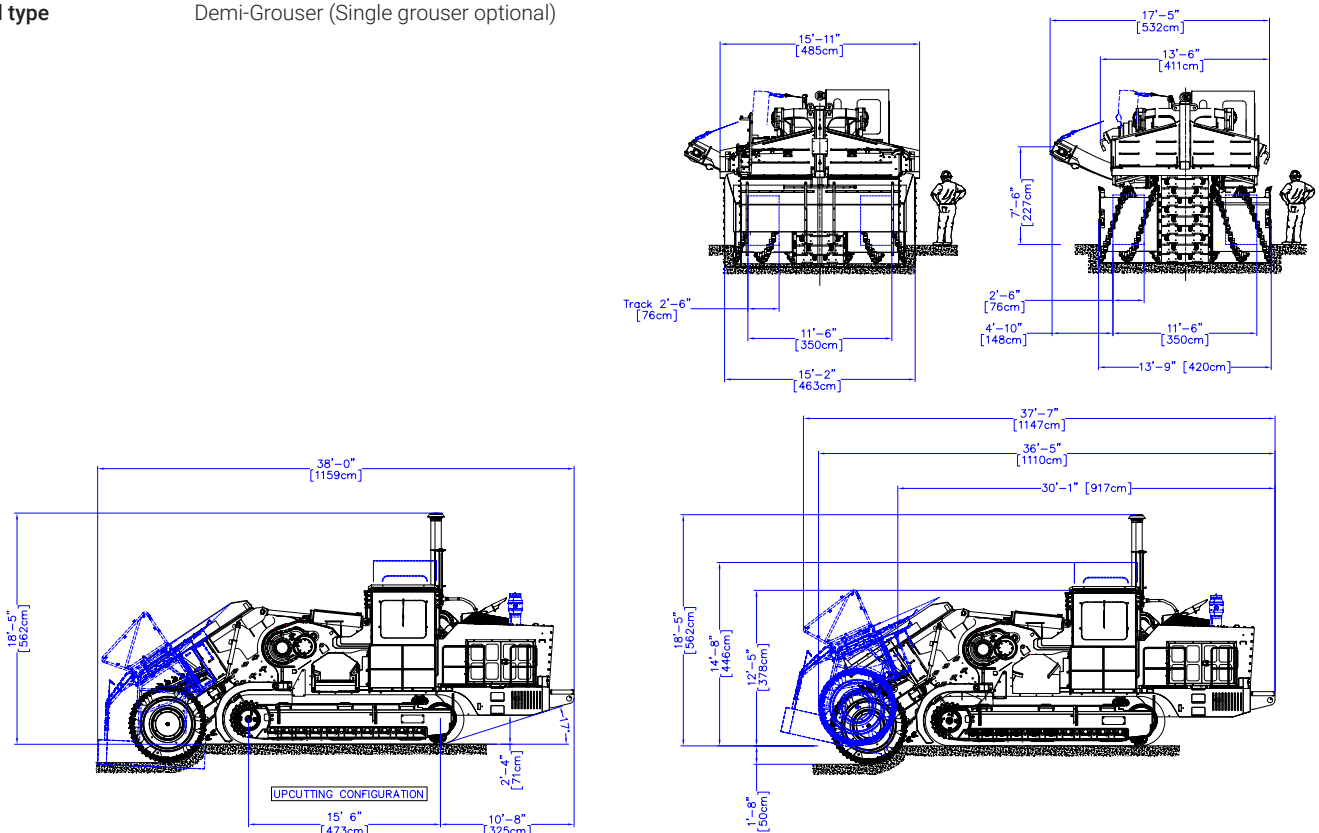
|                                  | METRIC  | US           |
|----------------------------------|---|--------------|
| <b>Drive</b>                     | Dual path, hydrostatic, planetary transmissions   |              |
|                                  | Full counter rotation with single lever steering  |              |
| <b>Infinitely variable speed</b> | Forward and reverse                               |              |
| High range                       | 0 - 2.47 km/h                                     | 0 - 1.54 mph |
| Low range                        | 0 - 1.24 km/h                                     | 0 - 0.77 mph |
| <b>Parking and service brake</b> | Spring applied, hydraulic release, wet disc brake |              |

## DIGGING DRIVE

|                               | METRIC  | US          |
|-------------------------------|---|-------------|
| <b>Drive</b>                  | Hydrostatic, two pumps and two motors                 |             |
| <b>Flywheel gearboxes</b>     | Shaved, helical gearing, case hardened for shock load |             |
| <b>Digging speed ranges</b>   | 0 - 63 m/min  | 0 - 205 fpm |
|                               | 0 - 112 m/min   | 0 - 367 fpm |
|                               | 0 - 142 m/min   | 0 - 465 pfm |
|                               | 0 - 178 m/min   | 0 - 583 fpm |
|                               | 0 - 204 m/min   | 0 - 670 fpm |
| <b>Digging chain</b>          | D9R / D9N   |             |
| <b>Cutters</b>                | Rotary carbide tipped                                 |             |
| <b>Cutters shank diameter</b> | 3.81 cm   | 1" 1/2      |
| <b>Cutters gage</b>           | 7.62 cm   | 3"          |
| <b>Drum tool tip diameter</b> | 188 cm  | 6' 2"       |

## CROSS CONVEYOR

|   | METRIC        | US          |
|---|---------------|-------------|
| <b>Available on Up-cutting configuration only</b> |               |             |
| <b>Reversible and shiftable</b>                   | Yes           |             |
| <b>Conveyor belt speed</b>                        | 0 - 275 m/min | 0 - 900 fpm |
| <b>Conveyor discharge direction</b>               | Right or left |             |
| <b>Conveyor belt width</b>                        | 91.4 cm       | 2' 12"      |
| <b>Conveyor lenght</b>                            | 450 cm        | 14' 9"      |
| <b>Discharge height</b>                           | 231 cm        | 7' 7"       |



Pictures & drawings can be different according to technical specifications - Updating programme variations without notice are possible

**TESMEC**  
draw the way forward