

EHD Components

# EHD Components 2005 (Pty) Ltd

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4TNV88

## 4TNV88

## Disclaimer

Manufacturer's names, numbers, symbols, photos and descriptions are used for reference purposes only and it is not implied that the parts referred to are the products of those manufacturers

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|   |   |         |         |   |         |         |         |         |         |
|---|---|---------|---------|---|---------|---------|---------|---------|---------|
| Engine Model                              | 4TNV88-D1   |         |         |   |         |         |         |         |         |
| Version                                   | CL  |         |         | VM  |         |         |         |         |         |
| Type                                      | Vertical Inline Diesel Engine                                   |         |         |   |         |         |         |         |         |
| Combustion System                         | Direct Injection  |         |         |   |         |         |         |         |         |
| Aspiration                                | Natural   |         |         |   |         |         |         |         |         |
| No of Cylinders                           | 4   |         |         |   |         |         |         |         |         |
| Bore x Stroke                             | 3.465 x 3.543in (88 x 90mm)                                     |         |         |   |         |         |         |         |         |
| Displacement                              | 133.618 cu in (2.190 L)   |         |         |   |         |         |         |         |         |
| Continuous Rated Output                   | rpm(min)  | 1500    | 1800    |   |         |         |         |         |         |
|   | hp SAE  | 22      | 26.3    |   |         |         |         |         |         |
|   | kW  | 16.4    | 19.6    |   |         |         |         |         |         |
|   | PS  | 22.3    | 26.7    |   |         |         |         |         |         |
| Max Rated Out (Net)                       | rpm(min)  | 1500    | 1800    | 2000                                      | 2200    | 2400    | 2600    | 2800    | 3000    |
|   | hp SAE  | 24.2    | 29      | 32.3                                      | 35.5    | 38.7    | 41.9    | 45.2    | 47.4    |
|   | kW  | 18      | 21.6    | 24.1                                      | 26.5    | 28.8    | 31.3    | 33.7    | 35.4    |
|   | PS  | 24.5    | 29.4    | 32.7                                      | 36      | 39.2    | 42.5    | 45.8    | 48.1    |
| High Idling                               | rpm(min)  | 1600±25 | 1895±25 | 2205±25                                   | 2420±25 | 2615±25 | 2810±25 | 2995±25 | 3210±25 |
| Engine Weight (Dry) With Flywheel Housing | 403.5 lb ( 183kg )  |         |         | 374.9 lb ( 170kg )                        |         |         |         |         |         |
| PTO Position                              | Flywheel Side   |         |         |   |         |         |         |         |         |
| Direction of Rotation                     | Counterclockwise Viewed From Flywheel Side                      |         |         |   |         |         |         |         |         |
| Cooling System                            | Liquid-cooled With Radiator                                     |         |         |   |         |         |         |         |         |
| Lubricating System                        | Forced Lubrication With Trochoid Pump                           |         |         |   |         |         |         |         |         |
| Normal Oil Pressure at Rated Engine Speed | 42 - 57 psi (0.229 - 039 Mpa, 2.96 - 3.98 kgf/cm <sup>2</sup> ) |         |         |   |         |         |         |         |         |
| Normal Oil Pressure at Low Idle Speed     | 8.5 psi (0.06 Mpa, 0.6 kgf/cm <sup>2</sup> ) or greater         |         |         |   |         |         |         |         |         |
| Starting system                           | Electric Starting - Starter Motor: DC12V, 1.9hp (1.4kW)         |         |         |   |         |         |         |         |         |
|   | Alternator: DC12V, 40A***                                       |         |         |   |         |         |         |         |         |
|   | Recommended Battery Capacity: 12V, 60 Amp-Hour (5h rating)      |         |         |   |         |         |         |         |         |
| Dimension (LxWxH)                         | 26.89x19.63x24.33 in<br>(683x498.5x618mm)                       |         |         | 25.91x19.63x24.33 in<br>(658x498.5x618mm) |         |         |         |         |         |
| Engine Oil Pan Capacity                   | 7.8 / 4.2 qt (7.4 / 4.0 L) (Dipstick Upper Limit / Lower Limit) |         |         |   |         |         |         |         |         |
| Engine Coolant Capacity                   | 0.7 gal (2.7L) Engine Only                                      |         |         |   |         |         |         |         |         |
| Standard Cooling Fan                      | 14.57 in (370 mm) O/D, 6 Blades Pusher Type                     |         |         |   |         |         |         |         |         |

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