

**KEY FACTS**

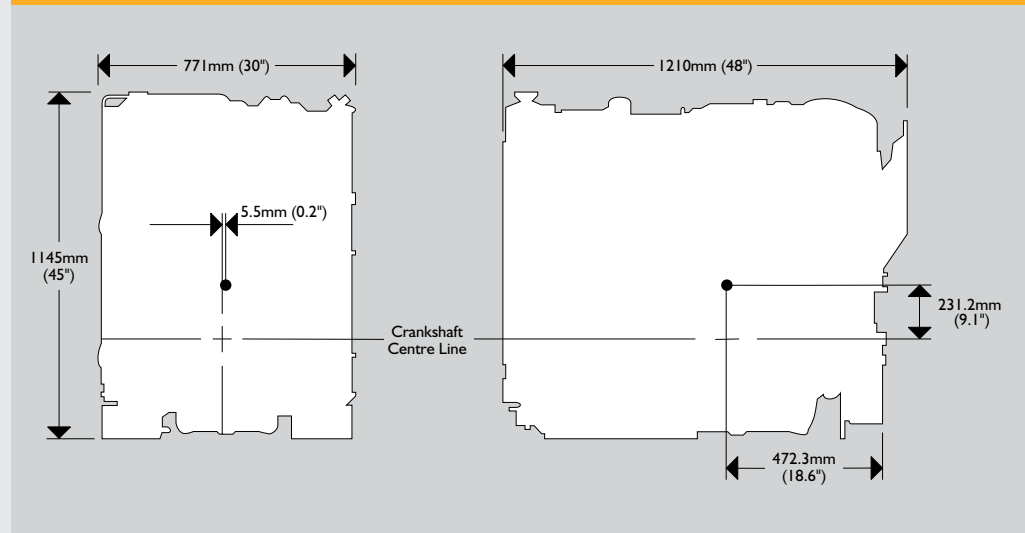
Efficient combustion process has lead to minimum aftertreatment requirements

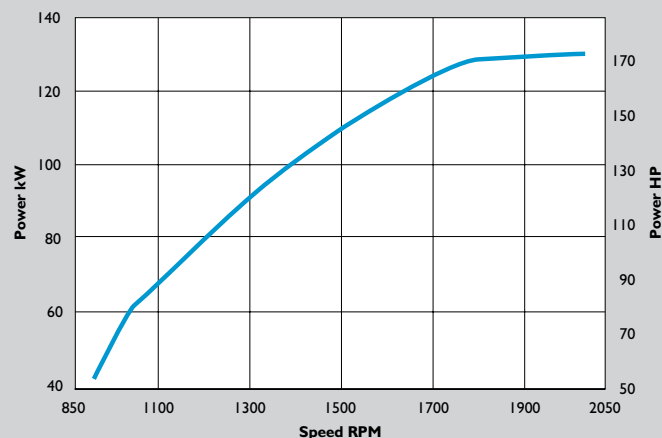
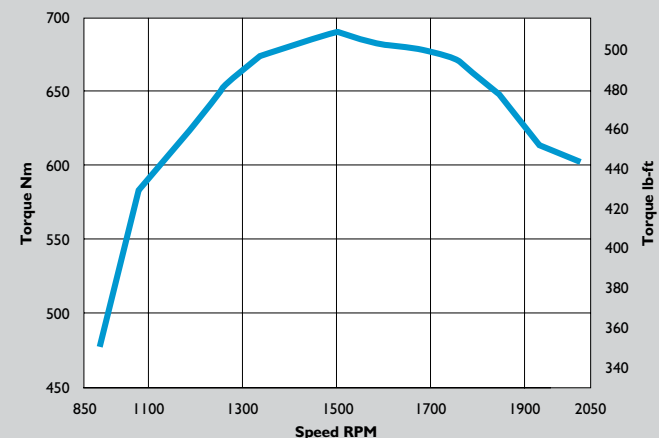
Heavy duty engine with common customer installation interface points across the product family

Supported by Global Distributor and Dealer Network

**GENERAL TECHNICAL DATA**

|  |                                    |                        |
|--|------------------------------------|------------------------|
| <b>Model</b>                                     |                                    | <b>444 TA4-129</b>     |
| Maximum rating (gross intermittent)              | kW (hp)                            | 129 (173)              |
| Thermodynamic cycle                              |                                    | Diesel 4 stroke        |
| Aspiration                                       |                                    | TCAE                   |
| Arrangement                                      |                                    | In-line 4 cylinder IPU |
| Emissions level                                  |                                    | Stage IV / Tier 4      |
| Bore   | mm (in)                            | 106 (4.18)             |
| Stroke   | mm (in)                            | 135 (5.31)             |
| Total displacement                               | cm <sup>3</sup> (in <sup>3</sup> ) | 4765 (292)             |
| Valves per cylinder                              |                                    | 4                      |
| Injection system                                 |                                    | Common Rail            |
| Cooling  |                                    | Liquid                 |
| Direction of rotation (viewed from crank nose)   |                                    | Clockwise              |
| Dry weight                                       | kg (lbs)                           | 730 (1609)             |
| Rated speed                                      | rpm                                | 2050                   |
| Peak torque                                      | Nm (lb-ft)                         | 690 (509)              |
| Peak torque speed                                | rpm                                | 1501                   |
| Maximum no load governed speed                   | rpm                                | 2125                   |
| Nominal idling speed                             | rpm                                | 850                    |
| Minimum starting temperature without auxiliaries | °C (°F)                            | -12 (10.4)             |
| Gradability - continuous                         | degrees                            | 35                     |
| Gradability - intermittent                       | degrees                            | 45                     |


**DIMENSIONS**


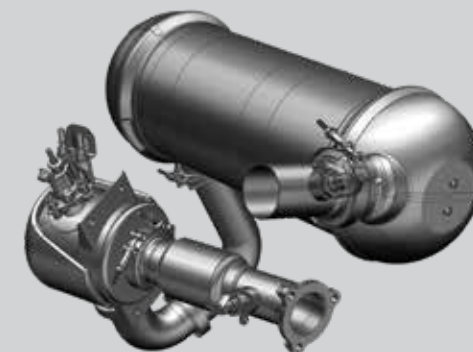
**POWER CURVE**

**TORQUE CURVE**

**STANDARD CONFIGURATION**

|   |         |   |
|---|---------|---|
| Flywheel housing                          |         | SAE3  |
| Intake manifold location                  |         | Left hand forward*                          |
| Exhaust manifold / turbocharger location  |         | Right hand rearward*                        |
| Turbocharger                              |         | Wastegate controlled variable               |
| Fan drive ratios                          |         | 0.85:1, 1:1, 1.16:1 or 1.25:1               |
| Distance between fan - crankshaft centres | mm (in) | 262 (10.3) or 356 (14.0)                    |
| Fuel filter                               |         | Engine mounted                              |
| Fuel lift pump                            |         | Pre-filter with primary pump and WIF sensor |
| Oil filter                                |         | Single, vertical - LHS*                     |
| Oil sump                                  |         | Pressed steel                               |
| Breather system                           |         | Open  |
| Oil cooler                                |         | Left hand side*                             |
| Oil filler position                       |         | Top and left hand side*                     |
| Starter motor                             |         | 12V, 4.2kW/24V, 4kW                         |
| Alternator                                |         | 12/24V, 55A or 100A                         |
| Power Take-off: Heavy Duty                |         | 60kW, 205Nm, 1.268:1 RHS                    |
| Power Take-off: Light Duty                |         | 15kW, 40Nm, 1.625:1 LHS                     |
| Finish                                    |         | Lacquered                                   |

\*Orientation from flywheel.

**EMISSIONS CONTROL SOLUTIONS**


DEF tank



SCR

**OPTIONS**

Extensive range of configuration options available - contact local JCB Power Systems distributor, or JCB Power Systems sales and applications department for availability and configuration options.

\* For more information on purchasing a JCB engine or configuration of a bespoke product for your requirements contact a JCB Power Systems distributor.

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