



# SYKES

PUMP SPECIFICATION SHEET

► CP150iC-255-YAKKA



# Built Tough

## CONTRACTOR PUMP YAKKA



Construction  
& Civil



Sewage &  
Waste Water



Mining &  
Quarries



Rental



Industrial

### ► HEAVY DUTY

Automatic self-priming  
single stage end  
suction pump

### ► SOLIDS HANDLING

Large solids capacity  
while maintaining  
hydraulic efficiencies

### ► CORROSION RESISTANT

Stainless steel 316  
(CF8M) internals  
as standard

# TECHNICAL DATA

## DESIGN DETAILS

Auto self priming, centrifugal single stage, end suction, 2 vane semi open impeller.

### PRODUCT SPECIFICATIONS

|                            |                            |
|----------------------------|----------------------------|
| Suction Flange             | 150mm [6"]                 |
| Delivery Flange            | 150mm [6"]                 |
| Solids Handling            | 77mm [3.03"]               |
| Maximum Head               | 45m [148ft]                |
| Maximum Flow               | 140L/sec [2,219 USgal/min] |
| Engine Type                | Perkins 404D-22T           |
| Engine Adaptor             | SAE #4                     |
| Shaft Diameter*            | 40mm [1.57"]               |
| Fuel Rate @ BEP 2,000rpm** | 8.2L/hr [2.17 USgal/hr]    |
| Fuel Rate @ BEP 1,600rpm** | 4L/hr [1.06 USgal/hr]      |
| Fuel Tank Capacity         | 250L [66 USgal]            |

\* The nominated shaft diameter is the critical working diameter of the shaft, used for calculation of the shaft stiffness ratio L3/D4.

\*\* Based on standard engine brake specific fuel consumption.

### YAKKA RANGE (YAKKA) INCLUSIONS

- Heavy single-point lifting frame.
- Manual diesel fuel fill (lockable).
- Pump and engine control panel with emergency stop as standard. Mounted externally.
- Heavy duty battery.
- Bunded fuel tank.
- Single axle trailer for improved maneuverability.
- Remote, externally-mounted vacuum (suction inlet) and pressure (discharge outlet) gauges.

## MATERIALS OF CONSTRUCTION

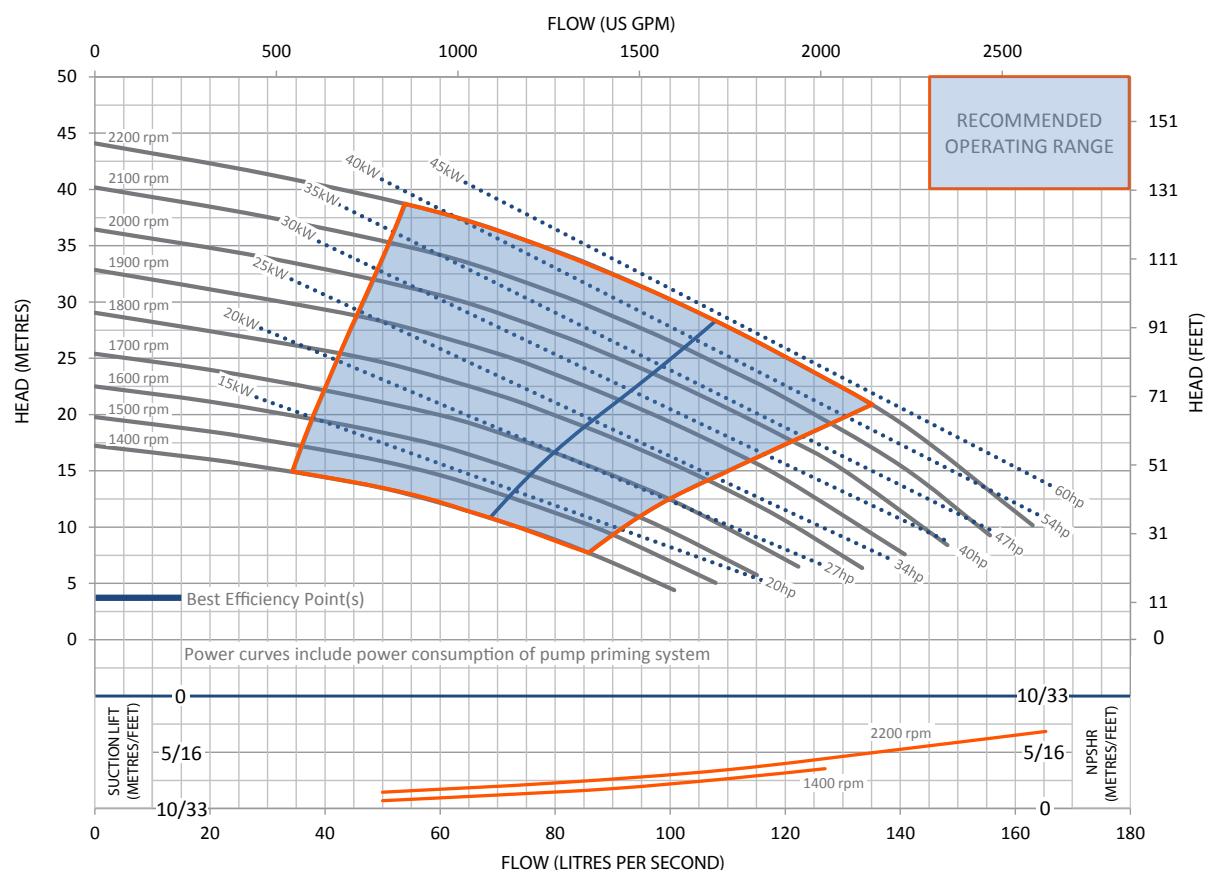
| PART                 | MATERIAL                             | MATERIAL STANDARDS |      |          |      |
|----------------------|--------------------------------------|--------------------|------|----------|------|
|                      |                                      | GRADE              | AS   | GRADE    | ASTM |
| Tee Piece            | SG Iron                              | 400/12             | 1831 | 65-45-12 | A536 |
| Pump Casing (Volute) | SG Iron                              | 400/12             | 1831 | 65-45-12 | A536 |
| Front Wear Plate     | Stainless                            | 316/H6B            | 2074 | CF8M     | A351 |
| Impeller             | Stainless                            | 316/H6B            | 2074 | CF8M     | A351 |
| Rear Wear Plate      | Stainless                            | 316/H6B            | 2074 | CF8M     | A351 |
| Pump Shaft           | Stainless                            | 431                | 2074 | 98b-431  | A276 |
| Bearing Bracket      | SG Iron                              | 400/12             | 1831 | 65-45-12 | A536 |
| Bearing Covers       | SG Iron                              | 400/12             | 1831 | 65-45-12 | A536 |
| Mechanical Seal†     | Multi-spring balanced component type |                    |      |          |      |

† Multi-spring balanced component type mechanical seal complete with oil lubrication. Seal faces are silicon carbide vs. silicon carbide

## OPTIONAL EXTRAS

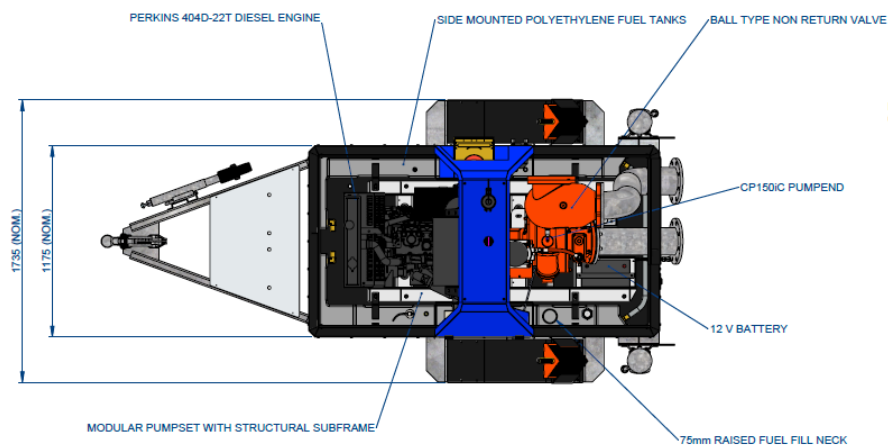
Please contact us to discuss these options:

- Additional operational, mobility and safety extras, such as: suction and discharge couplings, strainers, and battery isolators. These can all be selected and fitted to our Yakka Range pump units.
- Other pump materials of construction are also available upon request: full 316 stainless steel, CD4MCU, chromium steel, SAF 2205 and SAF 2507.

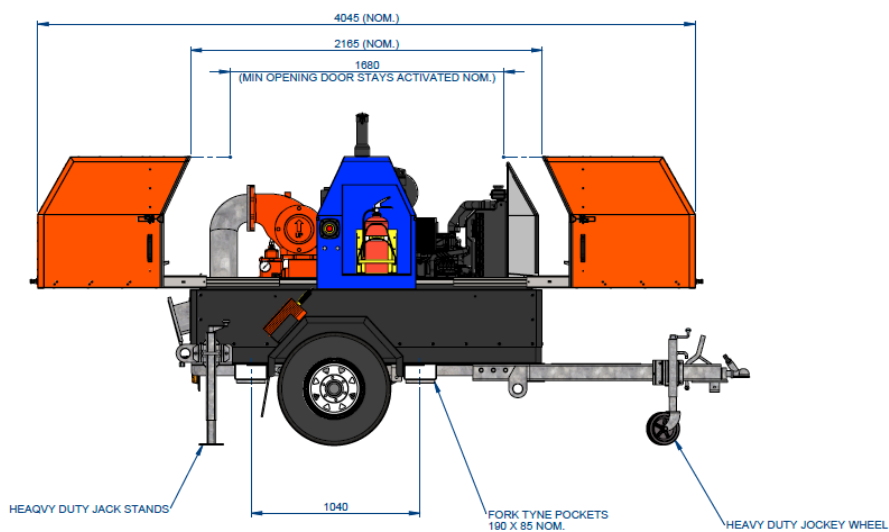


This pump and engine combination will produce up to 1,950 RPM of non-overload pump performance.

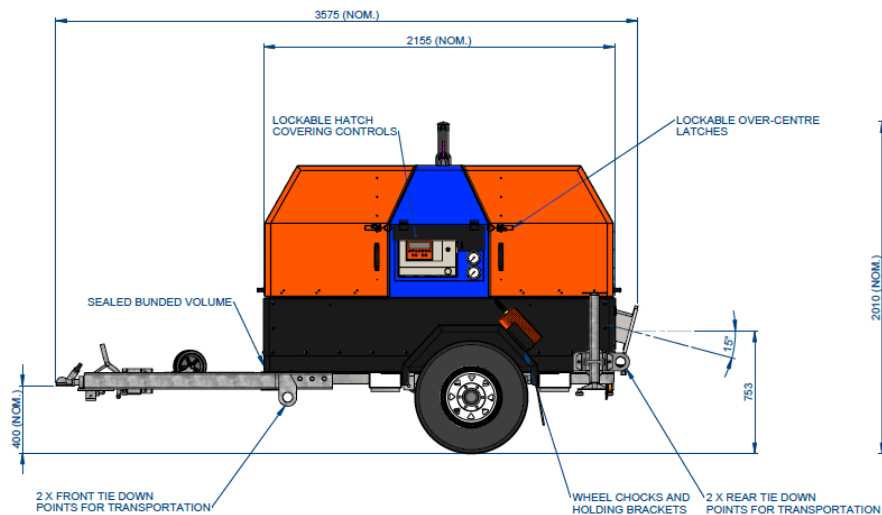
# TECHNICAL DATA



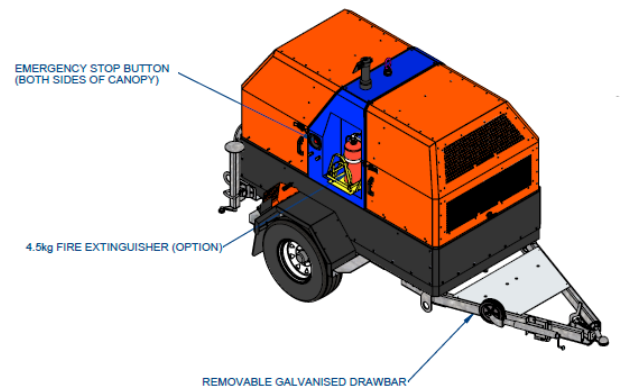
**PLAN**  
(CANOPY REMOVED FOR CLARITY)



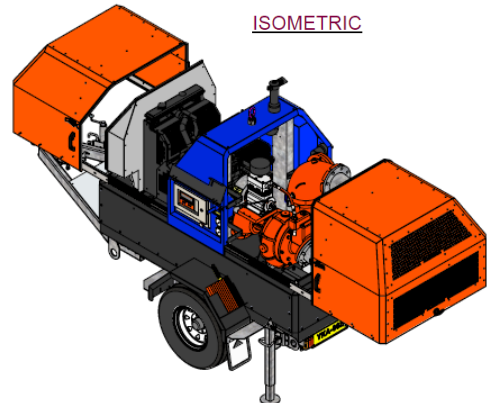
**REAR ELEVATION**  
(CANOPY OPEN)



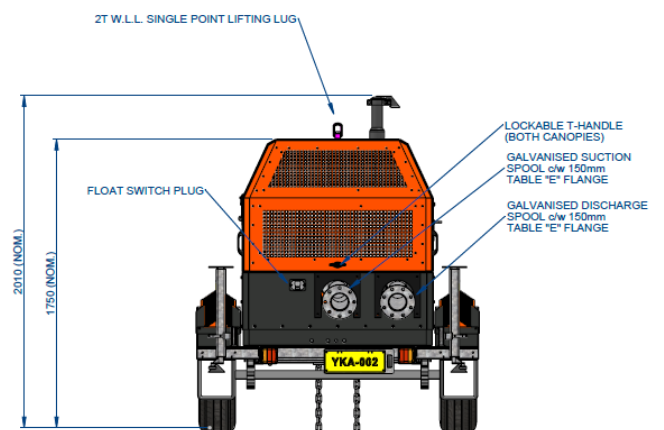
**FRONT ELEVATION**



**ISOMETRIC**



**ISOMETRIC**  
(CANOPY OPEN)



**END ELEVATION**

DRY: 1,665kg [3,671 lb]

WET: 1,865kg [4,112 lb]

**Note:** Final weight and dimensions will depend on completed specifications and options, subject to manufacturing tolerances. All the information in this document is substantially correct at the time of creation and may be altered at the manufacturer's sole discretion. Any quotes and related material provided supersedes the contents hereof.

Copyright © 2021, 2025 Sykes Group Pty Ltd. All rights reserved. Sykes is a trademark and or registered trademark of Sykes Group Pty Ltd.

■ Part of Atlas Copco Group

[www.sykesgroup.com](http://www.sykesgroup.com)