



# Base Engine - S8000 Mechanic Gdrive

Customer Management

June 2017

LATAM – Customer Management

# Base Engine Project

## Engine pivot reference

- ☐ F1 Family (n.2)
  - ☐ F1A
  - ☐ F1C
- ☐ NEF Family (n.6)
  - ☐ NEF 45 Electronic On Road
  - ☐ NEF 67 Electronic On Road
  - ☐ NEF 45 Mechanical Off Road
  - ☐ NEF 67 Mechanical Off Road
  - ☐ NEF 45 Electronic Off Road
  - ☐ NEF 67 Electronic Off Road
- ☐ Cursor Family (n.6)
  - ☐ CURSOR 9 On Road
  - ☐ CURSOR 10 On Road
  - ☐ CURSOR 13 On Road
  - ☐ CURSOR 9 Off Road
  - ☐ CURSOR 10 Off Road
  - ☐ CURSOR 13 Off Road
- ☐ S8000 Family (n.2)
  - ☐ S8000 3 Cyl. Off Road
  - ☐ S8000 4 Cyl. Off Road
- ☐ G - Drive Family (n.6)
  - ☒ **S8000 G - Drive**
  - ☐ NEF 4 G - Drive
  - ☐ NEF 6 MEC. G – DRIVE
  - ☐ NEF 6 ELE. G – DRIVE
  - ☐ CURSOR 9 G - Drive
  - ☐ CURSOR 13 G - Drive



# S8000 Mechanic Gdrive - 5801600816

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# FPTi Engines Portfolio – S8000 Mechanic Industrial Application - 5801600816

## Base Engine Matrix

### Block 1 – Engine Type

|                               |                |
|-------------------------------|----------------|
| Engine Family                 | S8000          |
| Number Cylinder               | 4              |
| Displacement (L)              | 3.9            |
| Emission                      | Non Emissioned |
| Mission (Off-Road or On-Road) | Industrial     |
| Current Vehicle Application   | Gdrive         |
| Segment Application           | Industrial     |

### Block 2 – Base Engine

|  |                    |
|--|--------------------|
| Power (kVA@rpm)                        | 60@1800            |
| Injection Type@Brand                   | Mechanical         |
| Engine Speed(rpm)                      | 1800               |
| Voltage (V)                            | 12                 |
| Crankcase                              | Iron Cast 4 Valves |
| Overhead Cylinder                      | Gear               |
| Dry weight (Including cooling package) | 415                |
| Driven Type                            | Gear               |
| EGR System (Yes or No@Type)            | NA                 |

### Block 3 – Dressing

|  |                             |
|--|-----------------------------|
| Turbocharger                           | NO                          |
| Flywheel to Clutch Assembly (Inch)     | 11' 1/2                     |
| Flywheel Housing (SAE)                 | SAE 3                       |
| Oil Sump                               | Yes                         |
| Starter Mounting                       | Yes                         |
| Alternator (Brand@Am)                  | 85                          |
| HWT and LOP sensors                    | LOP sensors                 |
| WT and OP Transmitters for instruments | WATER TEMPERATURE<br>SENSOR |
| Front Mounted engine support           | Yes                         |
| Front Mounted radiator support         | Yes                         |
| Airheat Exchanger                      | Yes                         |
| Mounted Radiator                       | Yes                         |
| Fuel Filter                            | Yes                         |
| Oil Drain plug                         | Yes                         |
| Fan Protection                         | Yes                         |
| Fan air mounted with a belt tensioner  | Yes                         |
| Starter                                | Yes                         |

# FPTi Engines Portfolio – S8000 Mechanic Industrial Application - 5801600816

## Variant Engine Matrix

| Range Ratings |       |               |
|---------------|-------|---------------|
| 52kVA@1500rpm | up to | 60kVA@1800rpm |

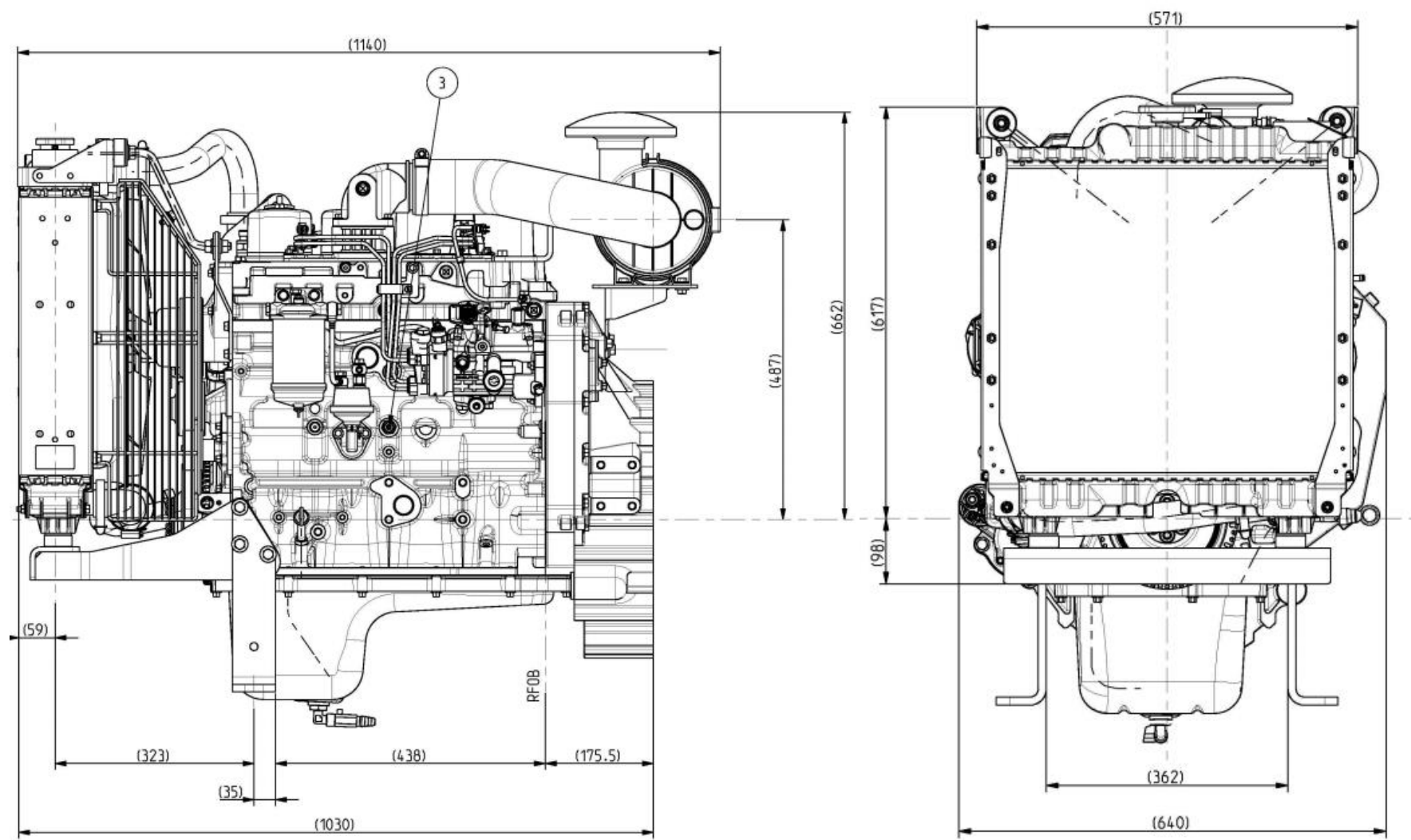
| CNH Currents Application |
|--------------------------|
| Power Generation         |

| Turbocharges Available |
|------------------------|
| West Gate (WG)         |

| Engine Dress-Up (Optional)                      |
|---|
| Oil extraction pump                             |
| Oil extractwith resorvoir                       |
| Resistance to water preheating 120Vca or 230Vca |
| Protection to the exhaust monifold and turbine  |
| Flexible exhaust pipe                           |
| Eletric System to 24 Vdc                        |

# FPTi Engines Portfolio – S8000 Mechanic Industrial Application - 5801600816

## Base Engine Max. Dimensions/Views



# FPTi Engines Portfolio – S8000 Mechanic Industrial Application - 5801600816

## General Engine Portfolio Variants

| <i><b>FPTi Engines Potfolio</b></i>    |                          |                          |
|--|--------------------------|--------------------------|
| <b>Description</b>                     | <b>Base Engine</b>       | <b>Variant 1</b>         |
| <b>GENERAL ENGINE CHARACTERISTICS</b>  |                          |                          |
| Engine Family                          | S8000                    | S8000                    |
| Number Cylinder                        | 4                        | 4                        |
| Displacement L                         | 3.9                      | 3.9                      |
| Emission                               | Non Emissioned           | Non Emissioned           |
| Mission (Off-Road or On-Road)          | Industrial               | Industrial               |
| Current Vehicle Application            | Gdrive                   | Gdrive                   |
| Segment Application                    | Industrial               | Industrial               |
| Footprint                              | Cordoba                  | Cordoba                  |
| <b>ENGINE BASE CONFIGURATION</b>       |                          |                          |
| Power (kVA@rpm)                        | 60@1800                  | 52@1500                  |
| Injection Type@Brand                   | Mechanical               | Mechanical               |
| Engine Speed(rpm)                      | 1800                     | 1800                     |
| Voltage (V)                            | 12                       | 12                       |
| Crankcase                              | Iron Cast 4 Valves       | Iron Cast 4 Valves       |
| Overhead Cylinder                      | Gear                     | Gear                     |
| Dry weight (Including cooling package) | 415                      | 415                      |
| Driven Type                            | Gear                     | Gear                     |
| EGR System (Yes or No@Type)            | NA                       | NA                       |
| <b>ENGINE DRESS UP</b>                 |                          |                          |
| Turbocharger                           | NO                       | NO                       |
| Flywheel to Clutch Assembly (Inch)     | 11' 1/2                  | 11' 1/2                  |
| Flywheel Housing (SAE)                 | SAE 3                    | SAE 3                    |
| Oil Sump                               | Yes                      | Yes                      |
| Starter Mounting                       | Yes                      | Yes                      |
| Alternator (Brand@Am)                  | 85                       | 85                       |
| HWT and LOP sensors                    | LOP sensors              | LOP sensors              |
| WT and OP Transmitters for instruments | WATER TEMPERATURE SENSOR | WATER TEMPERATURE SENSOR |
| Front Mounted engine support           | Yes                      | Yes                      |
| Front Mounted radiator support         | Yes                      | Yes                      |
| Airheat Exchanger                      | Yes                      | Yes                      |
| Mounted Radiator                       | Yes                      | Yes                      |
| Fuel Filter                            | Yes                      | Yes                      |
| Oil Drain plug                         | Yes                      | Yes                      |
| Fan Protection                         | Yes                      | Yes                      |
| Fan air mounted with a belt tensioner  | Yes                      | Yes                      |
| Starter                                | Yes                      | Yes                      |
| <b>ENGINE PART NUMBER</b>              | <b>5801600816</b>        | <b>5801600820</b>        |

# FPTi Engines Portfolio – S8000 Mechanic Gdrive Industrial Application

## Main Features & Competitive Advantages

### MAIN FEATURES

- ❑ In-line 4-cylinders
- ❑ Cast iron cylinder block
- ❑ Cast iron cylinder head
- ❑ 2 valve, gear driven OHV
- ❑ Mechanical pump system - Delphi
- ❑ Fuel consumption optimized

### COMPETITIVE ADVANTAGES

- ❑ Standard G2 class (ISO 8528-5)
- ❑ temperature cold-start without auxiliary up to -10 °C
- ❑ Engine documentation
- ❑ Production custom-made
- ❑ Interface standard SAE 3 generator
- ❑ small engines