

## Superior technology and outstanding advantages

FPT Industrial manufactures a range of Tier 4 Final engines from 37 kW to 424 kW. Featuring patented HI-eSCR technology, our engines comply with the most stringent emissions regulations while ensuring maximum performance and efficiency. The breakthrough HI-eSCR technology is based on more than 25 years of experience and one million units produced, allowing our engines to meet Tier4 Final standards, guaranteeing the highest NO<sub>x</sub> conversion efficiency (over 95% versus 80-85% of best competitors) with a maintenance-free system.

## KEY FEATURES:

- Patented exhaust flap maximizes performance at low temp and low load
- Low noise levels
- No DPF (Diesel Particulate Filter)
- EGR-Free (Engines with Hi-eSCR)
- Best-in-class 600-hour service interval and low oil and fuel consumption to maximize uptime
- Flexible configurations, compact design to meet customization needs
- Cold starting accessories available

## Tier 4 Final – Engine Portfolio

| Engine Model | kW/HP   | ECU   | Cylinder Arrangement<br>Air Intake | Injection System | Displacement<br>(Liters) | Emission     | Exhaust System | 60 Hz / 1800 rpm |             |
|--------------|---------|-------|------------------------------------|------------------|--------------------------|--------------|----------------|------------------|-------------|
|              |         |       |                                    |                  |                          |              |                | Stand-by Power   | Prime Power |
|              |         |       |                                    |                  |                          |              |                | kWe              | kWe         |
| F34          | 37/49   | EDC17 | 4L/TC                              | ECR              | 3.4                      | Tier 4 Final | DOC+PMcat      | 33               | 30          |
| F34          | 55/74   | EDC17 | 4L/TC                              | ECR              | 3.4                      | Tier 4 Final | DOC+PMcat      | 46               | 41          |
| F34          | 75/101  | EDC17 | 4L/TCA                             | ECR              | 3.4                      | Tier 4 Final | HI-eSCR        | 65               | 59          |
| F34          | 93/125  | EDC17 | 4L/TCA                             | ECR              | 3.4                      | Tier 4 Final | HI-eSCR        | 83               | 75          |
| N45          | 86/115  | EDC17 | 4L/TCA                             | ECR              | 4.5                      | Tier 4 Final | HI-eSCR        | 77               | 70          |
| N45          | 126/169 | EDC17 | 4L/TCA                             | ECR              | 4.5                      | Tier 4 Final | HI-eSCR        | 112              | 102         |
| N67          | 146/195 | EDC17 | 6L/TCA                             | ECR              | 6.7                      | Tier 4 Final | HI-eSCR        | 131              | 118         |
| N67          | 168/225 | EDC17 | 6L/TCA                             | ECR              | 6.7                      | Tier 4 Final | HI-eSCR        | 147              | 133         |
| N67          | 195/262 | EDC17 | 6L/TCA                             | ECR              | 6.7                      | Tier 4 Final | HI-eSCR        | 173              | 157         |
| N67          | 223/300 | EDC17 | 6L/TCA                             | ECR              | 6.7                      | Tier 4 Final | HI-eSCR        | 199              | 181         |
| CURSOR 9     | 260/349 | EDC17 | 6L/TCA                             | ECR              | 8.7                      | Tier 4 Final | HI-eSCR        | 233              | 211         |
| CURSOR 9     | 282/378 | EDC17 | 6L/TCA                             | ECR              | 8.7                      | Tier 4 Final | HI-eSCR        | 253              | 229         |
| CURSOR 9     | 309/414 | EDC17 | 6L/TCA                             | ECR              | 8.7                      | Tier 4 Final | HI-eSCR        | 281              | 255         |
| CURSOR 9     | 330/443 | EDC17 | 6L/TCA                             | ECR              | 8.7                      | Tier 4 Final | HI-eSCR        | 301              | 273         |
| CURSOR 13    | 353/473 | EDC17 | 6L/TCA                             | ECR              | 12.9                     | Tier 4 Final | HI-eSCR        | 322              | 292         |
| CURSOR 13    | 380/510 | EDC17 | 6L/TCA                             | ECR              | 12.9                     | Tier 4 Final | HI-eSCR        | 347              | 314         |
| CURSOR 13    | 424/569 | EDC17 | 6L/TCA                             | ECR              | 12.9                     | Tier 4 Final | HI-eSCR        | 389              | 352         |

### Legend

#### Cylinder Arrangement

L In line

#### Air Intake

TCA Turbocharged Aftercooler  
TC Turbocharged

#### Exhaust System

DOC Diesel Oxidation Catalyst  
PMcat Particulate Matter Catalyst  
HI-eSCR2 FPT Industrial's patented system

#### Injection System

ECR Electronic Common Rail

#### Emission Regulation

T4F Tier 4 Final

#### Engine Family

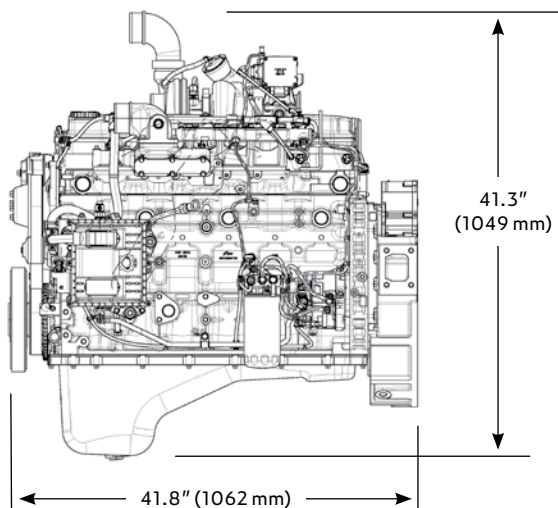
F = F5  
N = NEF  
C = CURSOR

# POWER GENERATION TIER 4 FINAL

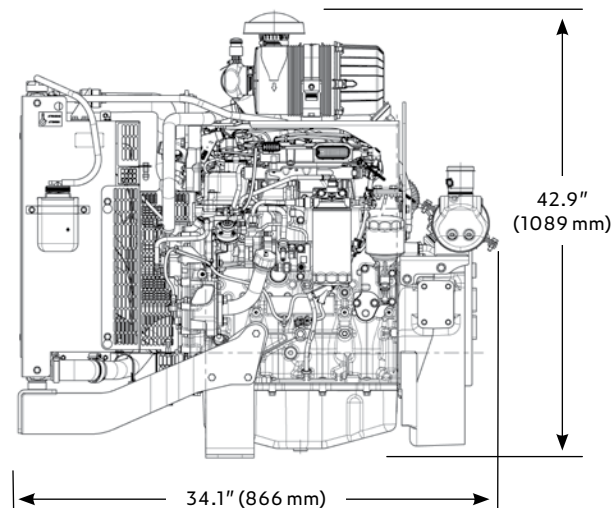
37 - 424 kW (49 - 569 HP)



## NEF 67



## F34 Tier 4F G-Drive



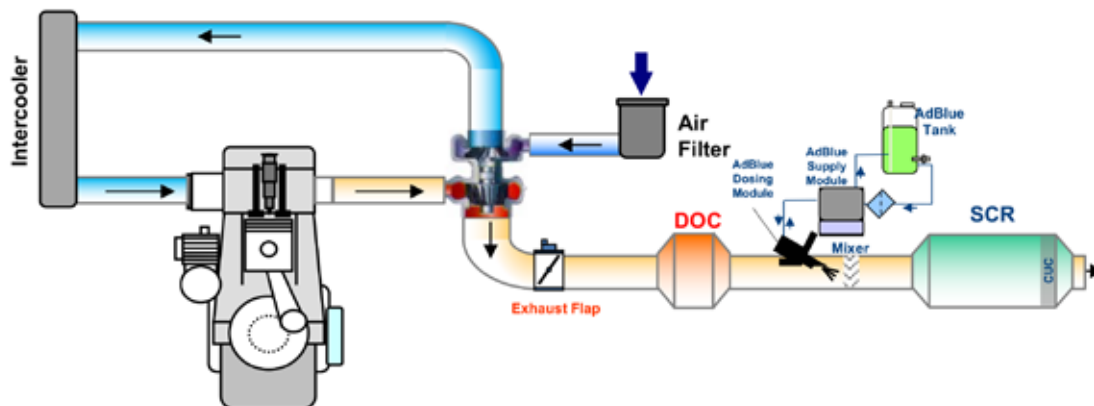
### Exhaust Flap

Our patented electronically controlled exhaust flap maximizes performance at low temp, low load, avoiding the need for additional load banks. Improved exhaust gas temperature control to speed up SCR light-off in the cold part of emission cycle through an electronically controlled exhaust flap.



### Reducing NO<sub>x</sub> : Selective Catalytic Reduction

SCR treats the exhaust gas with a AdBlue<sup>®</sup> solution and reduces NO<sub>x</sub> through catalytic reduction in the exhaust line.



### HI-eSCR