



Base Engine - Cursor 13 Electronic 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**



Cursor 12,9 Electronic Gdrive - 5801394816

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FPTi Engines Portfolio – Cursor 13 Electronic Industrial Application – 5801394816

Base Engine Matrix

Block 1 – Engine Type

Engine Family	Cursor
Number Cylinder	6
Displacement (cm3)	12.9
Emission	Non Emissioned
Mission (Off-Road or On-Road)	Industrial
Current Vehicle Application	Gdrive
Segment Application	Industrial

Block 2 – Engine Base

Power (kVA@rpm)	470@1800
Injection Type@Brand	Unit Pump Injection
Engine Speed(rpm)	1800
Voltage (V)	24
Crankcase	Steel
Overhead Cylinder	Iron cast 4 Valves
Dry weight (Including cooling package)	24
Driven Type	Gear
EGR System (Yes or No@Type)	---

Block 3 – Dressing

Turbocharger	WG
Flywheel to Clutch Assembly (Inch)	14'
Flywheel Housing (SAE)	SAE 1
Oil Sump	Yes
Starter Mounting	Yes
Alternator (Brand@Am)	90
HWT and LOP sensors	Yes
WT and OP Transmitters for instruments	Yes
Front mounted engine support	Yes
Front mounted radiator support	Yes
Air heat exchanger	Yes
Mounted Radiator	Radiator with air-air
Fuel Filter	Yes
Oil drain plug	Yes
Fan protection	Yes
Fan air mounted with a belt tensioner	Yes
Starter	Yes

Variant Engine Matrix

Range Ratings		
380kVA@1500rpm	up to	470kVA@1800rpm

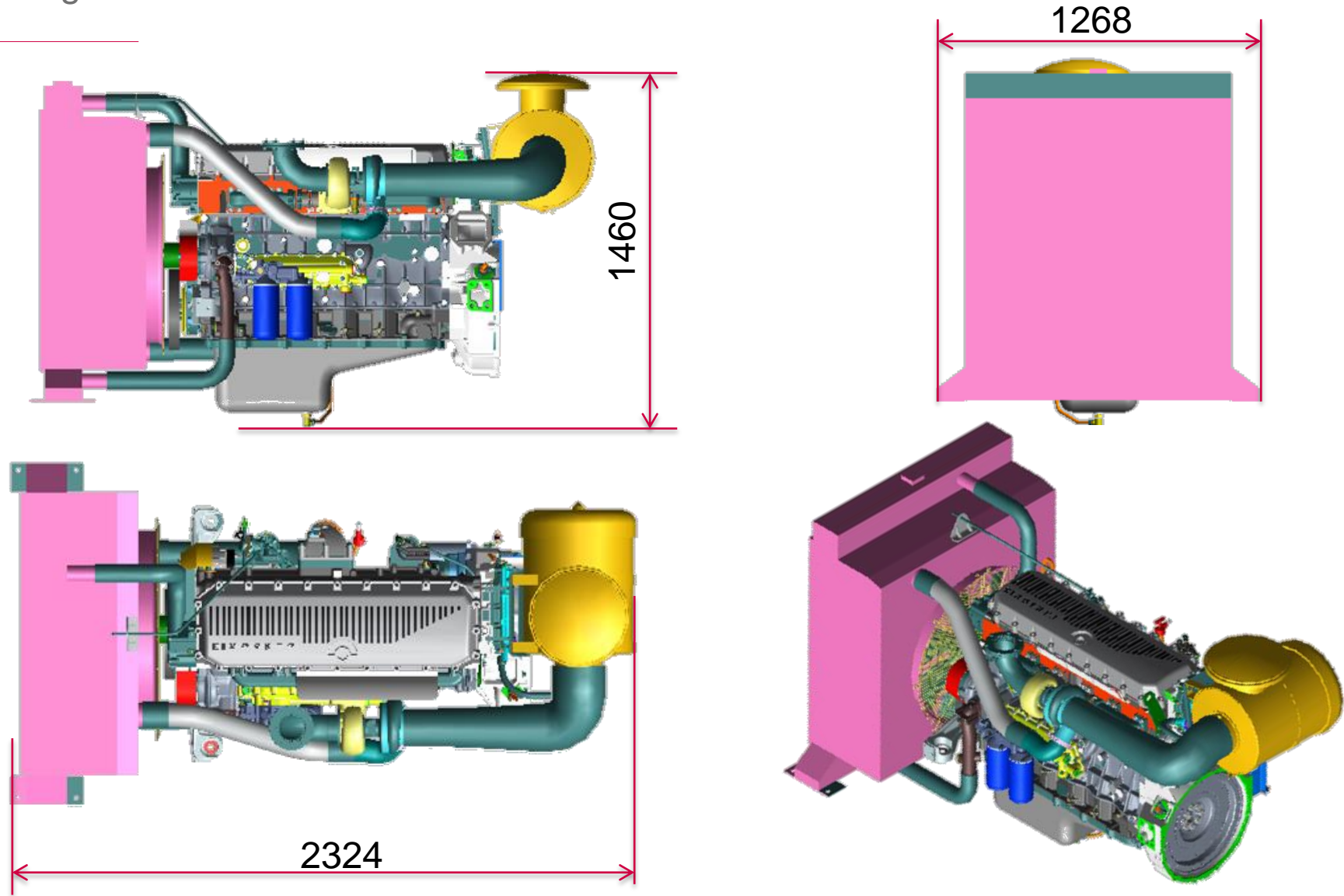
CNH Currents Application
Power Generation

Turbocharges Available
WASTE GATE

Engine Dress-Up (Optional)
Resistance to water preheating 230Vca
Low water level transmitter
Protection to the exhaust monifold and turbine
Flexible exhaust pipe

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Base Engine Max. Dimensions/Views



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General Engine Portfolio Variants

FPTi Engines Potfolio						
Description	Characteristics	Variant 1	Variant 2	Variant 3	Variant 4	Variant 5
GENERAL ENGINE CHARACTERISTICS						
Engine Family	Cursor	Cursor	Cursor	Cursor	Cursor	Cursor
Number Cylinder	6	6	6	6	6	6
Displacement L	12.9	12.9	12.9	12.9	12.9	12.9
Emission	Non Emissioned	Non Emissioned	Non Emissioned	Non Emissioned	Non Emissioned	Non Emissioned
Mission (Off-Road or On-Road)	Off Road	Off Road	Off Road	Off Road	Off Road	Off Road
Current Vehicle Application	Gdrive	Gdrive	Gdrive	Gdrive	Gdrive	Gdrive
Segment Application	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial
FootPrint	Cordoba	Cordoba	Cordoba	Cordoba	Cordoba	Cordoba
ENGINE BASE CONFIGURATION						
Power (kVA@rpm)	470@1800	380@1500	415@1800	445@1500	460@1500	460@1800
Injection Type@Brand	Unit Pump Injection	--	--	--	--	--
Engine Speed(rpm)	1800	Commom Rail	Commom Rail	Commom Rail	Commom Rail	Commom Rail
Voltage (V)	24	1600	1600	1600	1600	1600
Crankcase	Steel	15,9:1	15,9:1	15,9:1	15,9:1	15,9:1
Overhead Cylinder	Iron cast 4 Valves	--	--	--	--	--
Dry weight (Including cooling package)	24	24	24	24	24	24
Driven Type	Gear	1050	1050	1050	1050	1050
EGR System (Yes or No@Type)	---	Steel	Steel	Steel	Steel	Steel
ENGINE DRESS UP						
Turbocharger	WG	WG	WG	WG	WG	WG
Flywheel to Clutch Assembly (Inch)	14'	14'	14'	14'	14'	14'
Flywheel Housing (SAE)	SAE 1	SAE 1	SAE 1	SAE 1	SAE 1	SAE 1
Oil Sump	YES	YES	YES	YES	YES	YES
Starter Mounting	YES	YES	YES	YES	YES	YES
Alternator (Brand@Am)	90	90	90	90	90	90
HWT and LOP sensors	YES	YES	YES	YES	YES	YES
WT and OP Transmitters for instruments	YES	YES	YES	YES	YES	YES
Front Mounted engine support	YES	YES	YES	YES	YES	YES
Front Mounted radiator support	YES	YES	YES	YES	YES	YES
Airheat Exchanger	YES	YES	YES	YES	YES	YES
Mounted Radiator	Radiator with air-air	Radiator with air-air	Radiator with air-air	Radiator with air-air	Radiator with air-air	Radiator with air-air
Fuel Filter	YES	YES	YES	YES	YES	YES
Oil Drain plug	YES	YES	YES	YES	YES	YES
Fan Protection	YES	YES	YES	YES	YES	YES
Fan air mounted with a belt tensioner	YES	YES	YES	YES	YES	YES
Starter	YES	YES	YES	YES	YES	YES
ENGINE PART NUMBER	5801394816	504362052	504362053	504362054	5801394811	504362055

FPTi Engines Portfolio – Cursor 13 Electronic Gdrive Industrial Application

Main Features & Competitive Advantages

MAIN FEATURES

- ❑ In-line 6-cylinders
- ❑ Cast iron cylinder block
- ❑ Cast iron cylinder head
- ❑ 4 valve, gear driven OHV
- ❑ Multiple injections over the whole engine map
- ❑ Injection Unit 1800bar with BOSCH EDC7 engine control unit
- ❑ Turbocharger Wastegate
- ❑ Fuel consumption optimized

COMPETITIVE ADVANTAGES

- ❑ Intake manifold integrated with cylinder head
- ❑ Electrical **interface box** to switch 1.500/1.800 rpm
- ❑ Standard G3 class (ISO 8528-5)
- ❑ temperature cold-start without auxiliary up to -10 °C
- ❑ Engine documentation
- ❑ Production custom-made
- ❑ Interface standard SAE 1 generator
- ❑ small engines
- ❑ complete range of power
- ❑ Compatibility with standard and alternative fuels in accordance with the regulations (B8).
- ❑ power up to 40 °C and 1000m a.s.l. before derating;