

**ICMA**  
GRUPO AUSTRAL

**IVECO**



**Cuenca**

Autopista Cuenca -  
Azoguez, puente  
Tomebamba - El Descanso  
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**Quito**

Av. Galo Plaza Lasso N55  
- 011 y César Borja  
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**Guayaquil**

Vía a Daule Km 4.5  
Frente al KFC  
Cel: 0984799625

## MOTOR

- IVECO - CURSOR 13
- Potencia: 470 CV @ 1900 rpm
- Desplazamiento: 12.882CC
- Torque: 2200 Nm @ 1500 rpm
- Turboalimentado
- Intercooler
- Normas Emisiones EURO III

## CAJA DE CAMBIOS

- Automatizada
- TRAXON 2420 TD
- 12 velocidades adelante sincronizadas, 2 reversa
- Retardador ZF integrada a la caja de cambios
- Embrague monodisco 17" (430 mm)

## EJE-SUSPENSIÓN DELANTERA

- Capacidad: 7.500 kg,
- SUSPENSIÓN
- Parabólica- barra estabilizadora

## EJE -SUSPENSIÓN POSTERIOR

- Tandem de ejes flotantes
- Reducción Simple
- Capacidad primer eje trasera: 10.500 kg
- Capacidad segundo eje trasero: 10.500 kg
- SUSPENSIÓN
- Neumática 8 boyas
- Barra estabilizadora

## QUINTA RUEDA

- \* Marca: Jost

## BASTIDOR

- Escalera en "C" vigas longitudinales en acero

## EQUIPAMIENTO

- Conectar de remolque de 15 polos

## PROFORMA

PRECIO:

ENTRADA 1 CUOTA:

ASESOR DE VENTA:

## FRENOS

- Neumático con dos circuitos independientes
- Sistema ABS
- Freno de motor a las válvulas
- Freno de estacionamiento mecánico con resortes
- Disco delantera / posterior

## AROS Y LLANAS

- Aros de acero
- Neumáticos delanteros 315/80 R225
- Neumáticos posteriores 315/80 R22.5
- Llanta de emergencia

## TANQUE DE COMBUSTIBLE

- 1 tanque de aluminio 540 Lt. 142,65 Gis) de capacidad

## INTERIOR DE CABINA

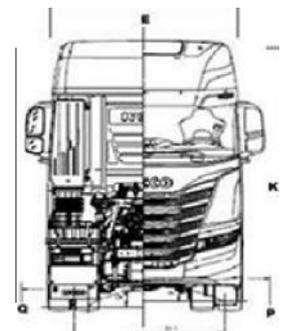
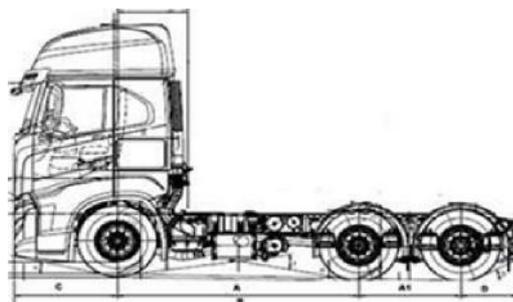
- Cabina techo alta ACTIVE SPACE
- Suspensión de la cabina amortiguadores
- Elevación cabina manual
- Asiento del conductor suspensión neumática con regulación, apoyacabezas cinturón de seguridad integrado
- Aire acondicionado
- Parasol enrollable en la puerta del conductor
- Volante con mando control crucero
- Ventana en el techo eléctrica
- Espejos retrovisores externos calefactados
- Luces frontales estándar
- Bocina neumática
- Tacógrafo
- Radio
- Tablero digital con información incluye:
  - Nivel de combustible
  - Temperatura de motor
  - Nivel de aceite
  - Cuenta revoluciones con indicador de zona óptima de trabajo
  - Diagnóstico OnBoard
  - Limitador de velocidad 90 km/h

- Sistema hidráulica 100%
- Marca: ZF

## SISTEMA ELÉCTRICO

- 24 voltios
- 2 baterías - 220Ah.
- Alternador de 90 A.
- Switch master- cortador de corriente

## DIMENSIONES



A:	Distancia entre ejes	3.303 mm
A1:	Tarden	1.395 mm
B:	Largo total	6.908mm
C:	Voladizo delantero	1.410 mm
D:	Voladizo posterior	778 mm
E:	Ancho cabina	2.550mm
K:	Altura total	3,887 mm

# IVECO -WAY

## TECHNICAL DESCRIPTION



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AS440S47TY/PT ON - ARTIC 6x4P

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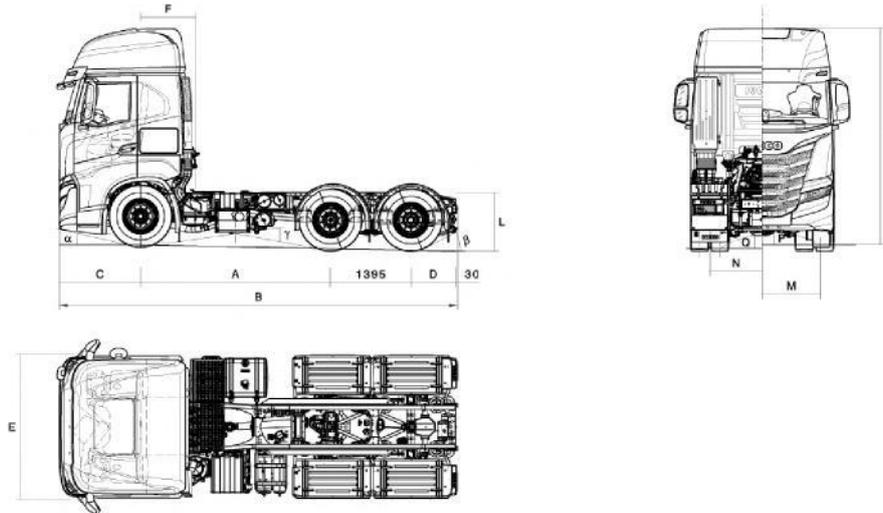
**IVECO**  
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**LIST OF LINKED VCB**

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<b>VCB code</b>	<b>Gearbox</b>	<b>Wheelbase</b>	<b>Cabin</b>	<b>Drive</b>
AU3AA1D1	null	3300	null	LH
AU3AA1DA	null	3300	null	RH

## DIMENSIONS & WEIGHTS



### DIMENSIONS (mm)

Wheelbase (A)	<b>3300 1395</b>
Max length (B)	6914
Max width over wings (cab) (E)	2550
Front axle to back of cab - including filter (F)	940
Frame height at end of frame, unladen (L)	1047
Frame height at front axle, unladen	970
Frame height at rear axle, unladen	1016
Front overhang (C)	1410
Rear overhang (D)	778
Minimum ground clearance (front) (P)	244
Minimum ground clearance (rear) (Q)	240
Overall height to top of cab, unladen (K)	3848
Turning diameter kerb to kerb	15900
Turning diameter wall to wall	17500
Front track (M)	2044
Rear track (N)	1820
Rear track - 3rd axle (N1)	13
Approach angle $\alpha$ (°)	28
Departure angle $\beta^*$ (°)	18
Side members thickness	7.7
Side members max height	304.4
Side members flange width	80
Frame width at rear	771.4

WEIGHTS (KG)

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<b>Wheelbase</b>	<b>3300 1395</b>
Total vehicle kerb weight	8756
Kerbweight on Front Axle	5212
Kerbweight on Rear Axle	3544
G.V.W. (EC)	26000
G.V.W. (Design)	27000
Plated weight on front axle (EC)	7500
Plated weight on front axle (Design)	7500
Plated weight on rear axle(s) (EC)	19000
Plated weight on rear axle(s) (Design)	21000
Max body & payload (Design)	<b>18244</b>

**Notes:**

Weights are to standard configuration and include: chassis cab (or tractor), driver (75 kg), full fuel tank, Adblue (if present), tools kit and spare wheel (if present).

The height of the side member includes the thickness as well.

<b>Wheelbase</b>	<b>Type</b>	<b>Drawing</b>
3300 1395	Left hand drive	5802978724

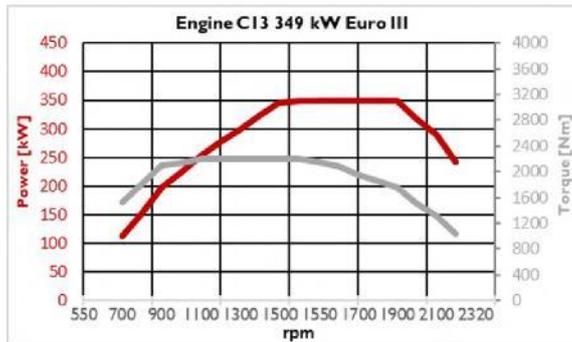
## MODEL COMPONENTS

### ENGINE

Identification Code	F3HGE611
Manufacturer	FPT Industrial
Commercial name	Cursor 13
Cycle	DIESEL, TURBO INTERCOOLER
Injection type	DIRECT
4 Stroke / 2 Stroke cycle	4
No. of cylinders	6
Cylinders layout	IN-LINE
Bore mm	135
Stroke mm	150
Total displacement cm <sup>3</sup>	12.882
Exhaust gas treatment	sylencer
Weight (without oil / water) Kg	1230
Injection system	Common rail
Cold starting type	THERMOSTARTER
Emissions control	EURO III
Cooling system	water



#### ENGINE EMISSION EURO III opt. 06044



#### 470 C13 - Cursor 13 - 470 CV - WG Maximum

power: 349 kW (468 HP) @ 1900 rpm

Maximum torque: 224 Kgm (2200 Nm) @ 1100 rpm

The central electronic system controls the following functions: Engine preheating, fuel preheating, turbo, injection control, engine brake, control of engine speed and torque, data exchange OBD with ScanTool, engine diagnostic (onandoff-board), control of blink-code and failure indicator light on dashboard, control of engine idling speed and max. engine speed, data exchange with VCM (vehiclecontrol module), supervision of emission values.

### DRIVELINE

#### GEARBOX

Gearbox model	Gearbox Type	Installation	Box material	Dry weight Kg	Clutch type	Max input torque Nm	No. of forward gears	No. of reverse gears	Shifting
12TX 2420 TD	AUTOMATED	ENGINE FLANGED	ALUMINIUM ALLOY	265 - (w/o retarder)	Automated dry clutch ConAct	2400	12	2	Electro-pneumatically shifted

#### GEAR RATIOS

Gearbox model	1ste	2de	3ème	4ª	5de	6de	7	8	9ème	10ème	11	12ª	M.A. 1	2ª						
12TX 2420 TD	16.69	12.92	9.93	7.67	5.90	4.57	3.66	2.83	2.17	1.68	1.29	1.00	15.54	12.03						

#### CLUTCH

Gearbox model	Type	Outer diameter mm	Outer diameter (inches)			
12TX 2420 TD	Single dry plate	430	17			

#### Notes:

HI-TRONIX Gearbox: with opt. 78515, further two ratios are available for the reverse gears: 3.40 and 2.64 for TD versions.

**ELECTRO-PNEUMATIC CLUTCH ACTUATION UNIT - " ConAct "** : The **ConAct** (Concentric Clutch Actuator) is a concentric electro-pneumatic release cylinder for push-type clutches. A travel sensor reports the clutch's actual position to the control unit.

## MODEL COMPONENTS

### REAR AXLE RATIO

Option code	00730	00733 *	00734	02004	02034
Ratio	2.64	2.85	3.36	3.08	4,13

\*: Standard axle ratio

### TYRES & WHEELS

Code	Tyres	Front	Rear	Load index	Rolling circumference m
20231	Standard	315/80R22,5	315/80R22,5	156/150	3.28
20852	Optional	385/55R22,5	315/70R22,5	158/	3.09
20146	Optional	315/80R22,5	315/80R22,5	156/150	3.28
20650	Optional	385/55R22,5	315/70R22,5	158/	3.09
20294	Optional	315/70R22,5	315/70R22,5	156/150	3.09
20519	Optional	295/80R22,5	295/80R22,5	154/148	3.184
20504	Optional	315/70R22,5	315/70R22,5	156/150	3.09
20867	Optional	385/65R22,5	315/80R22,5	160/157	3.28
20900	Optional	385/55R22,5	315/70R22,5	158/	3.09
20503	Optional	295/80R22,5	295/80R22,5	154/148	3.184
20866	Optional	385/65R22,5	315/80R22,5	160/157	3.28

### AXLES

Position	Description	Steering Axle
Front	5890/D ON - Axle drop: 142 mm	O
Rear	MS 17X - Arvin Meritor - Single reduction Disc Brakes - Maximum technical load 13.000 Kg	
Third	56082/D - Fix twined wheels - Disc brakes	

Only for 4 axles vehicles (8x2x6 version): 2x5890/D ON on front axle

### PERFORMANCE

\* Max Speed. Calculated speed on the basis of engine rpm and axle ratios. Real speed limits must take into account the speed index of the tyres:  $K = 110 \text{ km} / \text{h} \text{ L} = 120 \text{ km} / \text{h} \text{ M} = 130 \text{ km} / \text{h}$

\*\* Theoretically calculated values, arising from the engine torque without considering the road-friction values and the stability limits of the vehicles. When calculating with more than one tyres or more than one axle ratio, availability of each combination must be checked.

Speed and gradeability values are rounded.

**A** = Total Weights (solo vehicle) Kg - Max Gradeability %

**B** = Total Weights (vehicle+trailer) Kg - Max Gradeability %

<b>Tyre: 20231 - 315/80R22.5 TYRES - Regional</b>	<b>Efficiency: 0.93</b>	<b>No transfer box</b>
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#### Gearbox model 12TX 2420 TD

Axle Ratio	Gear Ratio 1°	Gear Ratio 12°	Speed km/h 1°	Speed km/h 12°	RPM at 80 km/h	RPM at 90 km/h	A		B	
							26000		40000	
							1°	12°	1°	12°
<b>2.64</b>	16.69	1.00	8.49	141.72	1073	1207	90.52	2.86	48.19	1.65
<b>2.85</b>	16.69	1.00	7.87	131.28	1159	1303	100.00	3.27	53.12	1.91
<b>3.08</b>	16.69	1.00	7.28	121.48	1252	1409	100.00	3.70	58.89	2.19
<b>3.36</b>	16.69	1.00	6.67	111.35	1366	1537	100.00	4.20	66.57	2.52

### SUSPENSIONS

**Front parabolic suspension** : 2 leaf ON (7500-8000 Kg) with stabilizer bar front

**Rear air suspension** : 8 Bellows (19000-20000-21000 Kg) with stabilizer bar  
rear Stroke Upper / lower : 100 mm / - 75 mm.

### BATTERY

#### Electrics

Voltage V	24
Alternator power V/A	28/ 90
Starter power kW	5.5
No. of batteries	2
Batteries capacity V/Ah	12/ 220

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## MODEL COMPONENTS

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### DISC BRAKES

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**FRONT AXLE: Ventilated disc :** Diameter 432 (mm) / Braking surface : 784 (cm<sup>2</sup>)

**REAR AXLES: Ventilated disc :** Diameter 432 (mm) / Braking surface : 784 (cm<sup>2</sup>)

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### MISCELLANEOUS

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**Fuelling:**

Fuel tank: 540 litres, aluminium; filter, fuel pump, prefilter, fuel separator.

**Steering:**

Hydraulic, with telescopic and tilting steering column.

**Engine brake:**

Valve brake system

**Auxiliary brake:**

Gearbox output retarder.

**Brake system:**

Disc Brakes, air driven to all wheels, dual circuit, with ABS System.

**Parking brake:**

Pneumatic, spring-type control actuated to front axle and intermediate axle.

**Cabin:**

Manual hydraulic tilting, Drivers seat with air suspension. Air cab suspension

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