

# DEUTZ-FAHR 6040 / 6040 HTS





# SMART EVOLUTION.



**Two new models have been added to the DEUTZ-FAHR 60 series range of 5 straw-walker combine harvesters: the 6040 and 6040 HTS. Even with their entry level specification, these new machines still incorporate all the features guar-**

**anteed to deliver high productivity, optimum comfort and low operating costs.**

The new 6040 reflects 100 years of experience and steadily evolving technology. Just as in 1909 the KODEL & BOHEM com-

bine stood as a landmark and a technological benchmark in terms of performance and quality applied to the processing of harvested grain, so today the 6040 - offered in two versions - sets the standard in its particular market segment. This combine harvester





embodies all the key attributes of its illustrious stable-mates, in keeping with the objectives of DEUTZ-FAHR design:

- Maximum performance harvesting all types of crops
- Economic operating costs

- Exceptional cleanliness and quality of grain
- Unparalleled ease of maintenance.



# WITH DEUTZ-FAHR HEADERS, EVEN THE SLIGHTEST INEFFICIENCY CAN BE ELIMINATED



The smooth planetary drive transmission and high speed 1220 strokes / min ensures the crop cutting is rapid and precise for all harvesting conditions.



Knife sections mounted alternately cutting edge-up and cutting edge-down suffer less wear and ensure a clean cut every time.



The variostar cutting platform allows adjustment and correction to suit any crop.



Sunflower attachment ensures that only seed heads are harvested, for maximum effectiveness of the threshing operation.

Right from the first step of harvesting - the cut - the 6040 performance is on a par with higher rated machines. All the standout features of a Deutz-Fahr header are offered on this model too.

## The cleanest of cuts, every time

The DEUTZ-FAHR tandem cutting system, with planetary knife drive and an operating speed of 1220 strokes per minute, guarantees a swift and precise cut. The bolt-on knife sections are extremely tough, unaffected by flying stones and other foreign matter. The header has a 610 mm diameter auger with retractable fingers arranged

spirally along its entire length, which are able to convey large amounts of the cut crop into the feed elevator. An electrically operated reversing unit is designed to eliminate any overloading of the feed system.

## An elevator for all applications

The new elevator will accommodate the heaviest of headers, which means even maize headers can be operated without difficulty, with power always transmitted smoothly and safely. The machine is equipped as standard with 2 lift cylinders, and can be fitted with a third for applications requiring particularly heavy headers. For enhanced cutting preci-

sion, the machine can be equipped with Auto-control, which by compensating the sideways movement of the cutting bar ensures even greater accuracy, especially with wider cutting widths.

## Special equipment

The standard header can be fitted with an extension and two lateral blades, designed to ensure optimum feed when harvesting rapeseed. For sunflower harvesting, there are special crop dividers and a transport roller that ensures only the seed heads of the plants are taken up for threshing, thereby increasing performance significantly.



## ADVANTAGES

- ▶ High performance headers with working widths of 4.2 m to 6.3 m
- ▶ Large diameter auger with spirally arranged retractable feed fingers
- ▶ Autocontrol (opt.)
- ▶ Planetary knife drive for high cutting frequency
- ▶ Folding crop dividers and hydraulic multi coupling for simple and rapid fitment / removal of header
- ▶ Special attachments for rapeseed and sunflower harvesting





# MAXIMUM CAPACITY FOR MINIMAL THRESHING COSTS.



## **OPTIMUM COMBINING**

6040 models are built for economy, but the renowned effectiveness of the DEUTZ-FAHR threshing system remains undiminished.

The threshing geometry of these new machines enables them to deliver extremely high output, while at the same time ensuring that grain and straw are handled gently and suffer no damage.

## **SEGMENTED CONCAVE**

With the exclusive DEUTZ-FAHR transverse segment system (optional), the combine can also be adapted swiftly to different crops and conditions during the har-

vesting season, allowing preferred threshing/separation settings. In practice, this system allows the operator to select the spacing between the rows of the different segments that will be best suited to the harvesting conditions. By accentuating the threshing action at the drum inlet, and the separating action at the outlet, the operator can lighten the load on the straw walkers and minimize the quantity of short straw deposited on the sieves. With this type of setting, more than 90% separation is achieved even before the material has left the drum - a guarantee of high productivity and high quality. For crops that require gentler handling, there

is the option of a drive system enabling synchronization of the beater speed with that of the drum.

## **TURBO SEPARATOR (HTS)**

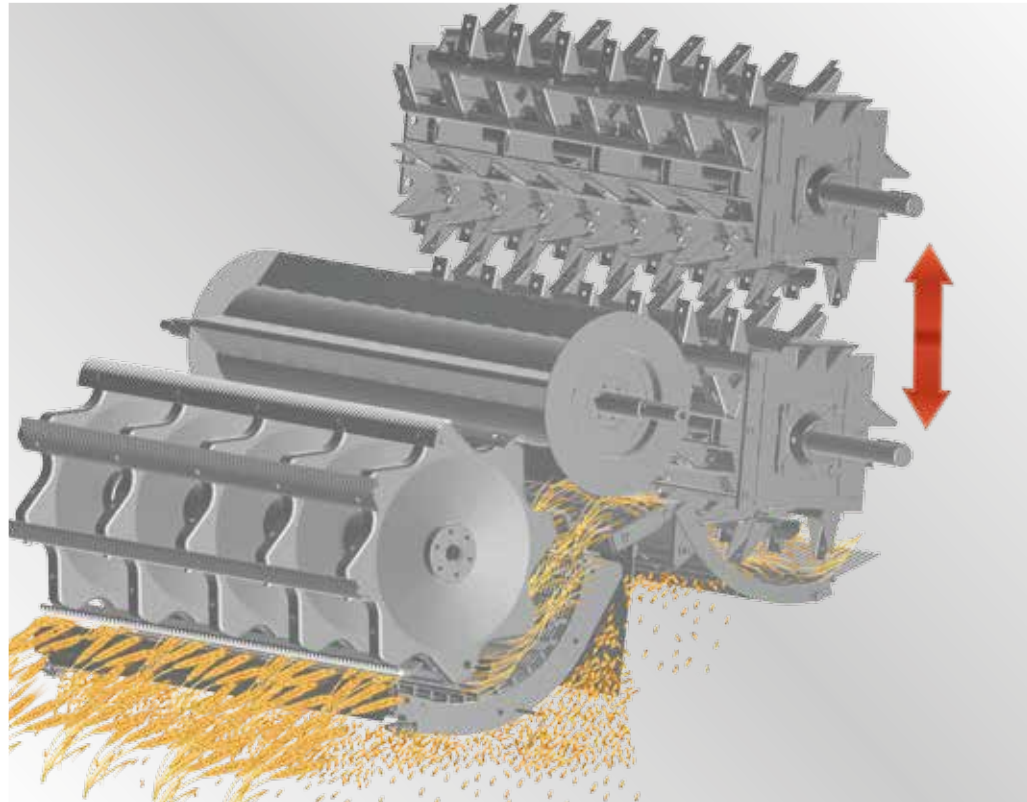
Where a more accentuated separating action is needed, the 6040 HTS offers the ideal answer: the turbo separator is adjustable through 5 positions, ensuring that maximum performance will always be obtainable, whatever the condition of the crop.

## **STRAW-WALKERS**

Long enclosed straw-walkers ensure efficient and thorough separation under any

## ADVANTAGES

- ▶ Threshing system giving thorough early separation at the concave
- ▶ Generous 121° concave wrap angle
- ▶ Independent adjustment of drum-concave inlet and outlet clearance
- ▶ 600 mm diameter threshing drum with 8 bars
- ▶ Conventional segmented concave (optional)
- ▶ High performance segmented concave (optional)
- ▶ Drum speed controlled electrically
- ▶ Synchrobeater (optional)
- ▶ Manually adjusted turbo separator (HTS)



The threshing system of the DEUTZ FAHR combines is effective, robust, reliable and highly productive. Having the ability to adjust the Turbo Separator through 5 different settings allows the combine to be set to suit the different types of harvested crops with effectiveness and provide excellent grain quality.

conditions, even when crops are picked up wet, or with a notably high weed content. For particularly heavy crops, the straw-walkers can be fitted with racks designed to shake the advancing material more thoroughly. The straw-walkers are mounted on bearings to reduce noise and minimize power demand.



**OPTIMUM  
DRESCHER**



Drive systems are particularly simple, guaranteeing optimum power drive and low maintenance costs.



**LONG STRAW OR CHOPPED STRAW -  
ALWAYS TOP QUALITY TREATMENT.**





## ADVANTAGES

- ▶ High volume chopping rotor
- ▶ High performance built-in straw chopper
- ▶ Easy access to chopper blades for maintenance purposes
- ▶ Centralized adjustment of stationary blades



With the new DEUTZ-FAHR high volume straw chopper, the ground can be left ready for subsequent tillage.

The working width of this attachment is such that the chopped material can be spread over the entire cut surface, covering the area created by even the widest headers.

Engagement is easy and effortless, by means of a lever on the side of the machine - and with no tools required. With

the chopper blades easily accessible and the stationary blades extremely simple to adjust, time spent on maintenance and set-up operations is reduced to a minimum.

With high power output from the engine and low power demand from the transmission, performance will remain constant even with the straw chopper in operation and substantial volumes of straw to process.

The Deutz-Fahr threshing system will also deliver long straw in an ideal condition for animal breeding and husbandry applications. In short, DF combine harvesters are renowned for gentle handling of both grain and straw, which makes perfect sense, given that straw is often an important complementary product in cereal farming.



# CROSS-FLOW AND VENTILATED DOUBLE DROP STEP: HIGH LEVEL TECHNOLOGY IN A COMPACT UNIT.





## ADVANTAGES

- ▶ Turbine fan delivering a constant flow of air to the sieves
- ▶ Sieving system with two cascade sieve steps
- ▶ Two return lines to preparation area equipped with re-thresher for gentle treatment of unseparated grain
- ▶ Grain tank second to none in its class: 6500 litres
- ▶ Air flow controlled electrically from inside the cab
- ▶ Fan air speed easily controlled via the CCM



The cleaning system is top class in terms of sieving area and performance. With a cross flow fan and two-step cascade sieve, the 6040 is able to deliver levels of performance until now unknown in this segment of the combine market.



The double grain return prevents any overload of the threshing system - yet another feature confirming the superior performance capabilities of this combine.

The new 6040 models boast a cleaning surface as big as any in their class: a generous 4.22 m<sup>2</sup>.

Another unique feature is the cross-flow fan, which takes in air across the full width of the combine and directs it through a sieve box with a two-step cascade sieve. With this design, typical of high end machines, large quantities of material can be handled with maximum effectiveness, and a perfectly clean sample directed into the tank. In addition, the combine is particularly easy to control, with performance levels remaining constant regardless of differing crop densities.

Another exclusive DEUTZ-FAHR feature is a returns system with two independent paths, by which the crop can be distributed uniformly into the preparation area to avoid overloading the threshing system and generating unnecessary waste. Any ears not already threshed by the drum can be treated by two re-threshers, so that grain returned to

the preparation area will be completely separated. Each of the re-threshers is equipped with a pair of special friction plates (adaptable to every type of crop, and interchangeable), guaranteeing high performance in all kinds of operating conditions. The system incorporates a special safety cutout designed to avoid possible overloads that would result in unnecessary repair bills.

### Big volumes, fast unloading

For fast and uninterrupted harvesting, 6040 is equipped with a 6500-litre grain tank and will unload at 75 litres/sec. The unloading auger ensures easy positioning alongside the trailer, even with the widest headers. The grain sampling access is located within reach of the driver's seat, to allow spot checks on threshing efficiency. Just as easy to check is the amount of grain in the tank, by way of the electric level indicator and the sight glass in the tank wall.





# THE NEW DEUTZ T4i ENGINES OVERCOME THE TOUGHEST CHALLENGE: SURPASSING THEMSELVES





## ADVANTAGES

- ▶ DEUTZ Tier 4i Common Rail 24-valve engine guaranteeing the highest levels of performance and exemplary fuel economy.
- ▶ Power outputs up to 250 hp (184 kW)
- ▶ SCR (Selective Catalytic Reduction) technology with AdBlue®
- ▶ 450 litre fuel tank: high capacity tank for longer working hours
- ▶ 53 litre AdBlue® tank
- ▶ Power take-offs at both ends of the engines for better power distribution and a more compact machine
- ▶ Hydrostatic transmission with 3 speed ranges: the right ratio for every situation
- ▶ Hydrostatic pump flange-mounted directly to engine



Supreme simplicity of the transmission systems and ease of access to components translate into speedy maintenance.

Power, elasticity, low fuel consumption and durability are the distinguishing characteristics of Deutz engines: capable of working for long hours in the toughest situations, coping easily with dusty conditions and extreme temperatures. With 230 hp (169 kW) available, the 6040 always has plenty in reserve to tackle any kind of crop on any type of terrain. The 250 hp (184 kW) engine of the 6040 HTS ensures the high rated productivity of the machine can be delivered to the full.

### Productivity and savings

The DEUTZ TCD L6 T4i 6.1 litre, water-cooled engines are characterised by high power outputs and consistent, de-

pendable performance. Equipped with common rail fuel injection, 24 valves and electronic control, these engines are able to deliver optimum power output, which is sustained even through overloads with no loss of productivity. With the new Selective Catalytic Reduction (SCR) system, the new DEUTZ T4i engines are able to significantly reduce the quantity of nitrogen oxide (NO<sub>x</sub>) emissions, which are one of the main pollutants found in combustion gases. Thanks to the high technological level of engines installed in DEUTZ-FAHR combine harvesters, hourly rates of fuel consumption are one of the lowest on record. This, together with a highly efficient threshing system, translates into a fuel requirement per

tonne of threshed crop as low as any on the market for machines of comparable size and class.

### A doubly efficient transmission system.

Another feature of this DEUTZ-FAHR machine is its compact transmission system, with power take-off from both ends of the engine. The design allows swift and simple maintenance, and ensures optimum power output to the various machine units of the combine. Drive belts can be replaced easily and swiftly, so less time is wasted and the harvesting operation benefits accordingly. The combine is more compact, and more manoeuvrable as a result.

**COMMANDER CAB EVO.  
THE EVOLUTION OF TWO SPECIES:  
COMFORT AND FUNCTIONALITY.**





## ADVANTAGES

- ▶ Spacious cab with a high level of ride comfort
- ▶ New on-board computer to monitor and control the main operating parameters
- ▶ CCM located on the front right-hand cab post keeps the operator informed of the machines performance
- ▶ Excellent view of the working area
- ▶ Commander lever control of all the main header components for quick, easy on-the-move adjustment



With a powerful air-conditioning system and an abundance of adjustable air vents, the ideal climate can be created in the cab during the long and warm days of late summer.



Control levers positioned on the left hand side do not restrict easy access to the driver seat.



With the Commander lever, the operator has everything under control and can focus on the actual job of harvesting with greater freedom and comfort.



Night time harvesting is facilitated by lights on the cab roof, which provide improved illumination of the working area.

The new COMMANDER CAB EVO is the perfect place to be when out in the fields during the long and dusty days of harvest time. The new console brings all the controls within easy reach and provides an unobstructed view to the right of the machine. A new manual climate control system ensures the operator can always enjoy ideal working conditions. The cab has plenty of shelf space where the operator can organize documents and keep personal items.

### CCM

This is the best instrument available to the operator for monitoring the quality of the work being done at any given moment.

Information visible at a glance:

- Ground speed
- Grain losses
- Total and partial surface areas harvested
- Drum speed
- Fan speed
- Total hours operation of engine and threshing system

There is also numerous indicators and alarms that will warn the operator immediately of any malfunction developing in the machine.

### WORK LIGHTS

A powerful line-up of 8 work lights on the cab will illuminate the work area

even in the darkest conditions. The beam produced by the HB3 lamps is especially bright, but without unwanted glare or reflections. Completing the set of work lights are two further units on the straw-walker hood, and another at the end of the unloading auger.

**CCE**  
COMMANDER CAB EVO



# DEUTZ-FAHR COMBINES. QUALITY THAT LASTS.







### **Lasting value**

Modern equipment and tooling resources at the DEUTZ-FAHR factory ensure faultless assembly and high quality finishing of every machine built on the premises. All exposed surfaces of the combine are treated cathodically to ensure protection against any kind of corrosion, whilst all painted parts are zinc-coated to guarantee long term resistance and efficiency of the finish. Due to the adoption of these vanguard solutions, DEUTZ-FAHR combine harvesters are able to hold a high resale value, inspiring confidence in the initial investment.



TECHNICAL DATA

# DEUTZ-FAHR

## 6040 / 6040 HTS

Type:	6040	6040 HTS
<b>Header</b>		
Manual engagement		standard
Cutting width	4.20 / 4.80 / 5.40 / 6.30	
Hydraulic cutting height adjustment	mm	from -300 to +1,370
Oil-immersed planetary knife drive (1,220 cuts/min)		standard
Long right and left crop dividers, fixed		standard
Number of crop lifters	13 to 20, depending on cutting width	
Automatic ground pressure adjustment, preselection of cutting height		standard
AutoControl (with lateral float)		optional
Transport towing hitch		standard
Header trailer		optional
Hydraulic multi-coupler		optional
Automatic towing hitch		optional
Rapeseed conversion kit for cutting bar with side cutter on right operated by separate hydraulic control		optional
Side cutter on left, operated by separate hydraulic control (for rapeseed header only)		optional
Sunflower conversion kit for header		optional

**B (Overall width)**

**A (Cutting width)**

Tipo	A (mm)	B (mm)	Peso (kg)	Dimensions in mm
4,20 m	4.187	4.515	1.280	L = 480
4,80 m	4.796	5.124	1.420	D = 610
5,40 m	5.406	5.734	1.540	d = 350
6,30 m	6.320	6.648	1.760	

<b>Pick-up reel</b>		
6-bar reel with hydraulic height adjustment		standard
Hydraulic fore/aft adjustment		standard
Electric speed control	rpm	16 to 45, infinitely variable



TECHNICAL DATA

# DEUTZ-FAHR

## 6040 / 6040 HTS

Type:		6040	6040 HTS
<b>Threshing drum</b>			
Flanged construction			standard
Manual engagement			standard
Diameter	mm		600
Width	mm		1.270
Bars	n°		8
Electric variable speed control	rpm		420 - 1.250
Threshing drum speed reducer (optional)	rpm		210 - 625
Electric speed control			standard
<b>Concave</b>			
Bars	n°		15
Wrap angle	degrees		121
Separation surface area	m <sup>2</sup>		0,95
Stone trap, foldable			standard
Segmented concave			optional
Laterally operated de-awner plates			standard
Manual adjustment of concave inlet/outlet section			standard
Synchrobeater			optional
Conversion for maize harvesting, grain or rapeseed			optional
<b>Turbo Separator (TS)</b>			
Diameter	mm	-	590
Speed of rotation	rpm	-	775 / 410
Mechanical adjustment through 5 positions		-	standard
Separation surface area	m <sup>2</sup>	-	0.81
<b>Straw-walkers</b>			
Enclosed straw walkers			standard
Elements	n°	5	5
Steps:	n°	5	4
Ball bearing mounts		standard	standard
Walker separation surface area	m <sup>2</sup>	5,28	4,60
Total separation surface area	m <sup>2</sup>	6,23	6,36
<b>Straw chopper – chaff spreader</b>			
High flow straw chopper with manually adjustable spreading width			optional
Built-in chaff spreader			optional

## TECHNICAL DATA

# DEUTZ-FAHR 6040 / 6040 HTS

Type:	6040	6040 HTS
<b>Cleaning system</b>		
High performance cross-flow fan		standard
Cascade pre-sieve		standard
Sieve box illumination		standard
Total ventilated sieve surface	m <sup>2</sup>	4,22
Fan speed controlled electrically		standard
<b>Returns</b>		
Independent L/R returns with re-threshing system		standard
Returns overload prevented by safety control system		standard
2 speeds		standard
<b>Grain tank</b>		
Capacity		6,500
Unloading in any position		standard
Visual and audible grain tank level indicator		standard
Interior light		standard
Grain sample access from driving position		standard
5-metre unloading auger		standard
Discharge rate		75 litres/second
Unloading system engaged mechanically		standard
<b>DEUTZ Tier 4i 4 valve Common Rail engine</b>		<b>Deutz TDC L6 6.1 litres</b>
Rated power rpm (97/68/EC)	kW/hp	169/230
Maximum power (ECE R120)	kW/hp	184/250
Fuel tank	litres	450
AdBlue tank®	litres	53
Grain tank	litres	6500
<b>Transmission / Brakes / Steering</b>		
Hydrostatic transmission with 3-speed gearbox		standard
Forward speed	km/h	0 - 26,0
Reverse speed	km/h	0 - 14,0
Disc brakes mounted to halfshafts		standard
Parking brake acting on gearbox primary shaft		standard



TECHNICAL DATA

# DEUTZ-FAHR

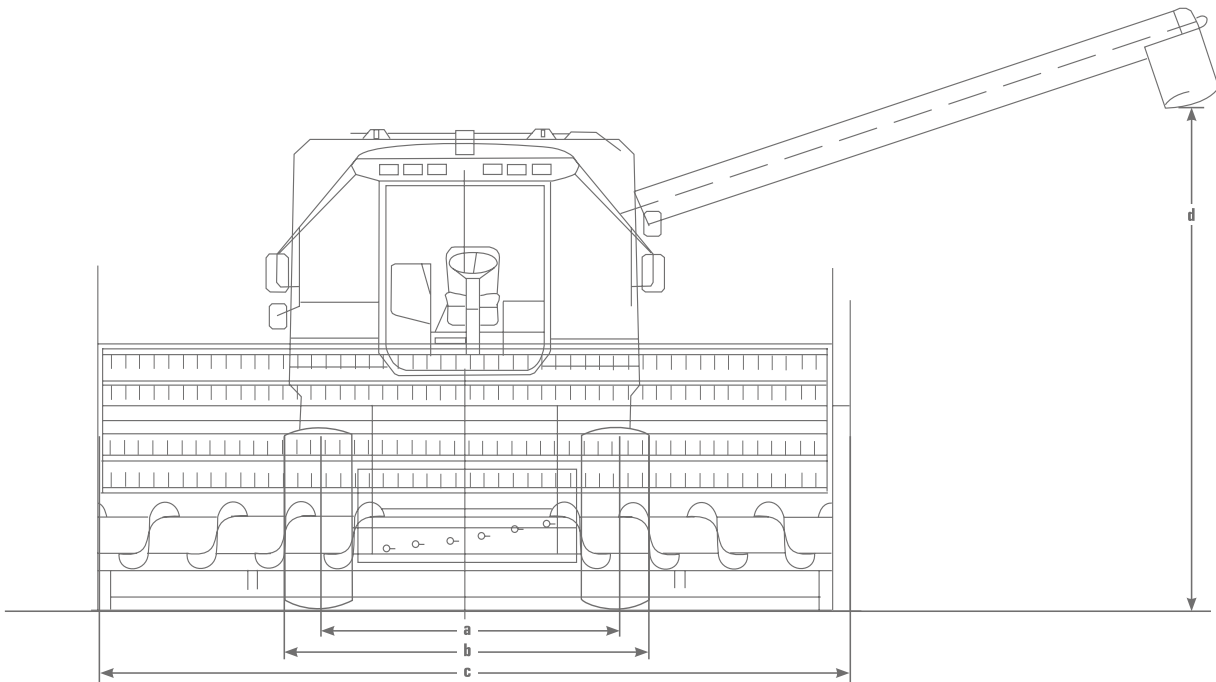
## 6040 / 6040 HTS

Type:	6040	6040 HTS
<b>Tyres</b>		
Front, 620 / 75 R30 168 A8		standard
Front, 650/75 R32 167 A8		optional
Front, 800/65 R32 STR 172 A8		optional
Rear, 320/80 R18		standard
Rear, 405/70 R20 155 A2		optional
<b>Cab</b>		
Commander Cab EVO, panoramic windscreen and windows with laminated tinted glass, comfort driver seat with armrest, co-driver seat		standard
Commander arm multifunction control lever		standard
CCM (Combine Control Management):		standard
Operating levers grouped together on operator's left		standard
8 work headlights on cab roof, 1 work light on grain tank		standard
Heater and air conditioning		standard
<b>Safety devices</b>		
Safety clutch for straw feed elevator top shaft, feed auger, pick-up reel, straw walker drive and grain auger		standard
Electronic speed control on straw walkers, grain elevator and returns elevator		standard
<b>Maintenance</b>		
Manual centralized lubrication system, grease points:		
8 on left, 6 on right		standard
<b>Weights</b>		
Without header	kg	8.770
with 4.20 m header	kg	10.050
with 4.80 m header	kg	10.190

TECHNICAL DATA

# DEUTZ-FAHR

## 6040 / 6040 HTS



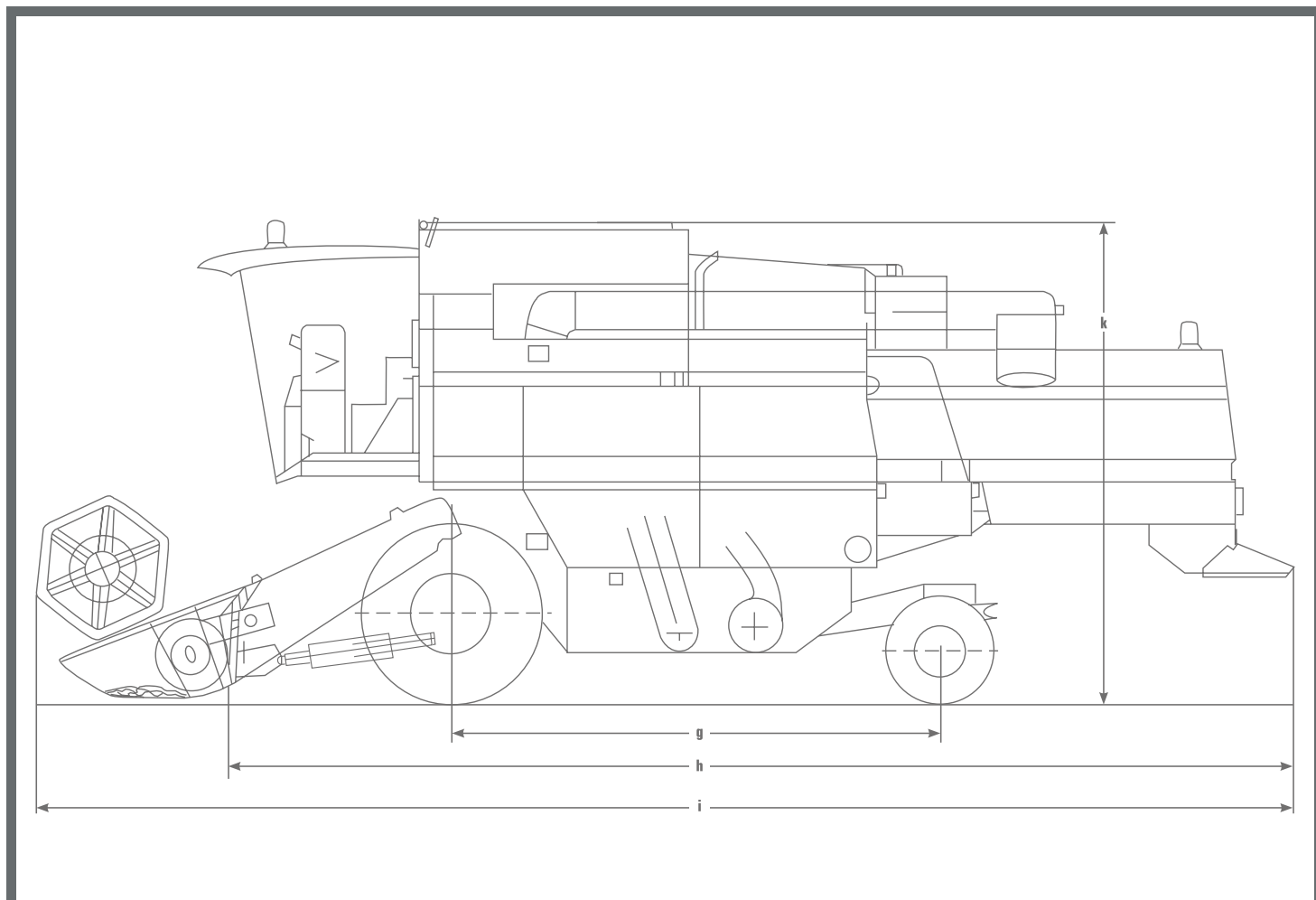
Type:	6040	6040 HTS
<b>Dimensions in mm</b>		
<b>a</b> Trackwidth <sup>1)</sup>	front	2.670
	rear	2.355
<b>b</b> Width <sup>1)</sup> without header		3.000
<b>c</b> Width with header	4.20 m	4.515
	4.80 m	5.124
	5.40 m	5.734
<b>d</b> Height to the bottom edge of unloading auger with standard tyres		4,20

<sup>1)</sup> with 620/75 R30 tyres



# DEUTZ-FAHR

## 6040 / 6040 HTS



Type:	6040	6040 HTS
<b>Dimensions in mm</b>		
<b>g</b> Wheelbase		3.890
<b>h</b> Length without header		8.770
<b>i</b> Length with header (crop divider retracted)		10.620
<b>k</b> Height to top of grain tank <sup>1)</sup>		3.935

<sup>1)</sup> with 620/75 R30 tyres



# SURE AND SAFE WITH ORIGINAL DEUTZ-FAHR SERVICE AND PARTS.



## **Original service is wise.**

Only your DEUTZ-FAHR specialist dealer knows your tractor inside and out. Only your dealer has regularly trained mechanics and experts on call. Only dealers have the special tools and diagnostic equipment required for competent diagnosis and inspection. All this gives you peace of mind – without doubt.

## **Original parts make good sense.**

As you placed your trust in the original tractor, we recommend you use original parts when required. Only these comply with the high quality and safety standards of DEUTZ-FAHR and ensure correct function and operation without problems – guaranteed.

## **DEUTZ-FAHR lubricants**

We recommend genuine DEUTZ-FAHR lubricants. The outstanding quality of this product range, which is made exclusively for DEUTZ-FAHR, ensures that your tractor always receives exactly what it needs.



**Your DEUTZ-FAHR dealer will be pleased to answer your questions:**

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