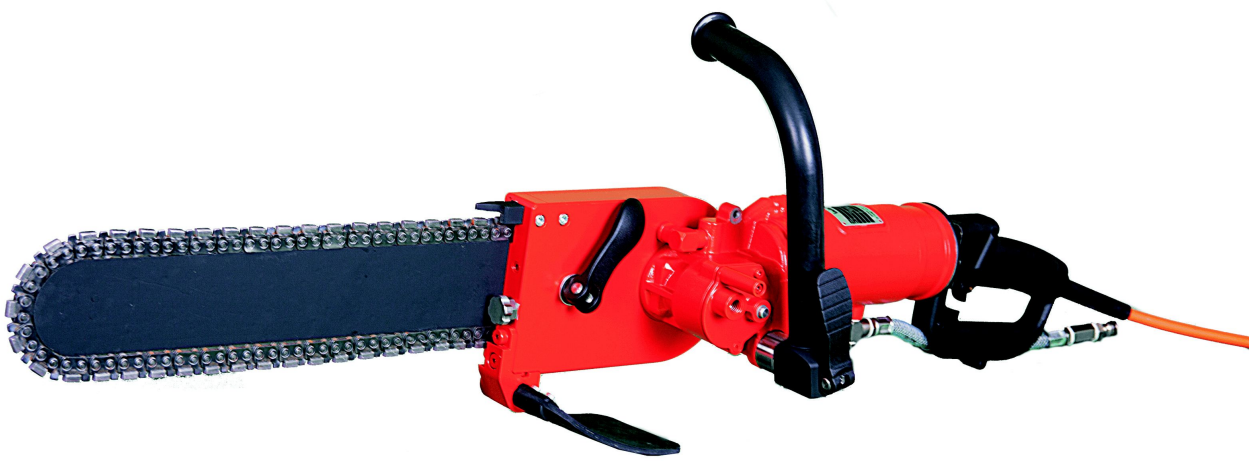
TK40 ANNA
Diamond Chain Saw

excellent cutting depth up to 430 mm
adjustable handle



closed water-cooled high frequency motor
splash water proof according IP55
operation with 230 V and 400 V

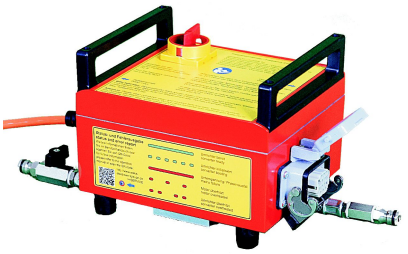
Technical data:

Type		**TK 40**	**TK 40**
Nominal voltage	V	230	400
Nominal power	W	3700	6500
Output power	W	2700	4800
Nominal current	A	16	13,5
Bar length	cm	30-40	30-40
Cutting depth	mm	430	430
Drive Sprocket		8 teeth 3/8" and F4	
Speed	1/min	5500	5500
Weight (without cutting equipment)	kg	9,8	9,8

Hello, I am TK40 ANNA, the new diamond chain saw from WEKA.
I am the powerful diamond chain saw for the multi-purpose use in concrete, masonry, stone and for iron pipes. With my large chain and guide selection I cut concrete walls and masonry up to 430mm deep and can be used ideal for small openings, corner cuts and very deep cuts - a cutting close to the wall is also possible.

High frequency drive
My nominal power at 230 Volt is the maximum possible 3700 W and at 400 Volt 3 AC even 6500 W.
My motor is water-cooled with the cooling principle patented by WEKA. The cooling circuit is hereby completely separated from the electrical part of the motor. If in case of very robust handling my seals fail, the cooling water does not enter the inner of the motor, but only leaks to the outside.

Motor control
I am controlled by a very efficient converter, the FU6 U, which is located in a small and stable aluminium box. The water-cooled frequency converter FU6 U can drive and control all devices of the ANNA series as a universal drive unit. It supplies me with the required energy, controls my current input and speed. The integrated (Powerfactor Correction) makes sure that I do not take wattless current from the mains, but only energy which I can convert into mechanical power.
My converter recognizes, if I am connected to 230 V or to 400 V and adapts current and power accordingly. My motor current is controlled according to the requirements and limited to the maximum. Thus I can not be overloaded. The temperature of my motor is checked constantly. If I am loaded too much or cooled too less, my power electronic switches me off before anything can happen. Status and error signals are indicated to the user via an LED mounted on the frequency converter.


Frequency converter FU6 U

Handling and operation
Via my converter I am connected to the 400 V mains. For use at 230 V mains my adapter cable is used. By the adjustable handle I can be adapted to every sawing job optimal. My integrated safety switch prevents an unintended start of the motors as far as possible. The guide bar is dipped into the basic material to be cut manually. With my wall claw cuts can be done efficient by means of leverage effect. My chain can be changed easily by opening my clamping lever and removal of my casing lid without without the need for any tools. Tensioning of the chain can also be done without the need of any tools by means of my adjusting screw.

Cutting equipment
The large chain and guide selection allows the selection of the optimal chain technology depending on the application.

Corrosion and water protection
My case is made from aluminium, all main parts of me are rustproof. My converter is not only very powerful and robust, but also splash water proof according protection class IP 55 referring to EN 60 529, i.e. on proper use no water can enter into my internal.

Oil bath lubrication
Of course my gear - like all gears of the WEKA family - is fitted with an oil bath lubrication and thus efficient, low in maintenance and long-living.

Life time
The operation hours counter which is integrated in my micro controller allows myself to work to 300 h permanently. After that I show my operator that I want to be maintenanced by starting only when my start button is pushed three times.

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