

# CATALOG 2023

**NTC**



**PROFESSIONAL  
CONSTRUCTION  
MACHINERY**

# WHO WE ARE

**NTC STAVEBNÍ TECHNIKA** spol. s r. o.

We are czech family-owned company with a history dating back to 1991. Since the beginning, we have been engaged in the development and production of professional light construction machinery.

We are proud to say that we are the only Czech manufacturer of this machinery and therefore we put a lot of effort into it to achieve the highest possible quality of products and services that we offer.



**We hold a quality management certificate according to ISO 9001:2015.**



**PETR AND PAVEL  
RATSAM**

FOUNDER AND SON

A handwritten signature in black ink, likely belonging to one of the founders, Petr or Pavel Ratsam.





# CZECH CONSTRUCT MACHINERY

**LOCAL MANUFACTURE** IN CZECHIA



# eVision

Battery powered construction machines.

TYPES  
**VIBRATORY PLATES**  
**TAMPING RAMMERS**  
**FLOOR SAWS**

**PAGE 6 - 11**



FORWARD  
**VIBRATORY PLATES**

Universal compaction machines for all surfaces.

SERIES  
**MINI**  
**PRACTIC**  
**ELEGANT**  
**KLASIK**

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REVERSIBLE  
**VIBRATORY PLATES**

From lightweight to super heavyweight models.

SERIES  
**RANGE**  
**PRIM**  
**DUTY**  
**QUEEN**

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**TAMPING RAMMERS**

Two stage intake air filtration as standard.

SERIES  
**SPARK**

**PAGE 24 - 27**





## WALK-BEHIND **VIBRATORY ROLLERS**

From standard  
to specialites.

SERIES  
**STANDARD  
CONTROL  
ELLIPSE**

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## TANDEM **VIBRATORY ROLLERS**

Two-exciter models.

SERIES  
**SHIELD**

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## **FLOOR SAWS**

With manual or electric  
drive.

SERIES  
**EASY  
PRO  
EXCLUSIVE  
MOVE**

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## **POWER GENERATORS**

Petrol generators  
up to 15 kVA  
and Welders

TYPES  
**STANDARD  
AVR  
WITH WELDERS**

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# **eVision**

The future of the Earth

Challenge, courage, determination, faith, future.. All these terms define what the **e.Vision** means for us in NTC.

**What the e.Vision is?**

Project e.Vision represent our responsibility for an environment we live in. It reflects the current world situation and the effort to go in a new direction towards a better future.

This program includes all battery-powered machines in our range.

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**/ TAMPING RAMMERS** ..... 9

**/ FLOOR SAWS** ..... 10



## BATTERY-POWERED FORWARD VIBRATORY PLATES

# eVD 15

### E.ARTH

The whole project aims at comprehensive support for our planet. In general, human actions have an adverse effect on the Earth. With the e.Vision project, we want to reduce this footprint to the lowest possible level and thus help save our planet for future generations.

### OPTIONAL

- ✓ Sprinkling kit for asphalt compaction
- ✓ Roller plate for large-format paving
- ✓ Soft pad for paving compaction
- ✓ Wheel kit

TYPE	eVD 15
Weight w/o battery   kg	90
Centrifugal force   kN	15
Frequency   Hz	100
Engine manufacturer	Honda
Engine type	GXE 2.0H



## BATTERY-POWERED TAMPING RAMMERS

# eNT 80

### E.MOTION

Our battery-powered machines are designed to evoke the strongest possible positive emotions during work and calmness in a harsh environment.

### OPTIONAL

Hour counter

TYPE	e.NT 80
Weight w/o battery   kg	80
Compaction force   kN	18
Frequency   blows/min	650
Engine manufacturer	Honda
Engine type	GXE 2.0S



## BATTERY-POWERED FLOOR SAWS

# eRZ 110

### E.SSENCE

Compared to combustion engines, battery-powered systems are much simpler devices from a mechanical point of view and it is possible to say that machines using these systems are almost maintenance-free.

### OPTIONAL

- ✓ Diamond blade for an asphalt
- ✓ Diamond blade for a concrete and reinforced concrete

TYPE	e.RZ 110
Weight w/o battery   kg	72
Max. cutting depth   mm	110
Blade diameter   mm	300
Engine manufacturer	Honda
Engine type	GXE 2.0H








**eVision** The future of the Earth



# VIBRATORY PLATES

FORWARD





Forward vibratory plates are for us in NTC a matter of our hearts. With this series in 1992 we started the path of our own development of machines and in June 1994 we started serial production of the very first NTC forward vibrating plate called VD 350/16.

### **Undirected vibration as a move force**

Forward vibratory plates work with a principle of non-directional vibration, which means the vibration generated by single-shaft exciter. The exciter generates a centrifugal force used for a compaction as well as for a forward movement.

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<b>/ PRACTIC SERIES</b> .....	15
<b>/ ELEGANT SERIES</b> .....	16
<b>/ KLASIK SERIES</b> .....	17



## FORWARD VIBRATORY PLATES

# MINI SERIES

### TO DEAL WITH LITTLE PROJECTS

It reflects the requirements of a small, light machine with the simplest possible construction. These machines are suitable for small-scale jobs where a low level of compaction is acceptable.

### OPTIONAL

- ✓ Sprinkling kit for asphalt compaction
- ✓ Soft pad for paving compaction
- ✓ Wheel kit
- ✓ Hour counter
- ✓ Throttle lever on the handle

TYPE	VD 12P
Weight   kg	60
Centrifugal force   kN	12
Frequency   Hz	100
Engine manufacturer	Honda
Engine type	GX 120



## FORWARD VIBRATORY PLATES

# PRACTIC SERIES

## THE CLEAR CHOICE FOR THE MOST DEMANDING

These forward vibratory plates respond to requirements of variability and offer a huge range of variations while maintain the highest quality of processing and work performance.

### OPTIONAL

- ✓ Sprinkling kit for asphalt compaction
- ✓ Soft pad for paving compaction
- ✓ Wheel kit
- ✓ Hour counter
- ✓ Throttle lever on the handle
- ✓ Roller plate for models VD 15P and VD 15PB

TYPE	VD 15P	VD 15PB	VD 18P	VD 18PB	VD 20P	VD 20PB	VD 24P	VD 24PB
Weight   kg	85	85	95	95	105	105	110	110
Centrifugal force   kN	15	15	18	18	20	20	24	24
Frequency   Hz	100	100	100	100	100	100	100	100
Engine manufacturer	Honda	B&S	Honda	B&S	Honda	B&S	Honda	B&S
Engine type	GX 160	XR 750	GX 160	XR 750	GX 160	XR 750	GX 160	XR 750



## FORWARD VIBRATORY PLATES

# ELEGANT SERIES

## FOR VERSATILITY AND JOY OF WORK

Modern machine with a high number of ergonomic elements and integrated sprinkling system for an asphalt compaction. Whatever application is planned, vibratory plates of Elegant series are always ready.

## OPTIONAL

- ✓ Soft pad for paving compaction
- ✓ Wheel kit
- ✓ Hour counter
- ✓ Throttle lever on the handle
- ✓ Roller plate for model VD 15

TYPE	VD 15	VD 18	VD 20	VD 24
Weight   kg	85	95	105	110
Centrifugal force   kN	15	18	20	24
Frequency   Hz	100	100	100	100
Engine manufacturer	Honda	Honda	Honda	Honda
Engine type	GX 160	GX 160	GX 160	GX 160





## FORWARD VIBRATORY PLATES

# KLASIK SERIES

## FOR UNRIVALED PERFORMANCE

These vibration plates keep the concept of „old school“ machines, which stands for the highest durability and performance. Whole concept is designed to keep the promise of unbreakable machine.

## OPTIONAL

- ✓ Sprinkling kit for asphalt compaction
- ✓ Soft pad for paving compaction
- ✓ Wheel kit
- ✓ Hour counter
- ✓ Throttle lever on the handle

TYPE	VD 350/16	VD 450/20	VD 450/22
Weight   kg	105	115	140
Centrifugal force   kN	16	20	22
Frequency   Hz	81	81	81
Engine manufacturer	Honda	Honda	Honda
Engine type	GX 120	GX 160	GX 160





# VIBRATORY PLATES

## REVERSIBLE



We have been developing reverse vibration plates since 2004, when we started this category with the VDR 22 machine. This was followed by the expansion of the performance series, and currently our range covers the entire weight spectrum from 95 kg to 615 kg.

**Power of directed vibration**

Reversible vibratory plates, also known as two-way plates use the principle of directed vibration for compaction. This phenomenon most often uses an exciter consists of two coupled eccentric shafts of opposite rotation and the resultant force ensure ideal performance of the working potential of the exciter.

Thanks to the directed resultant force is possible to achieve a reverse movement of machine or on-spot compaction. This option significantly improves machine handling.

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<b>/ QUEEN SERIES</b> .....	23



## REVERSIBLE VIBRATORY PLATES

# RANGE SERIES

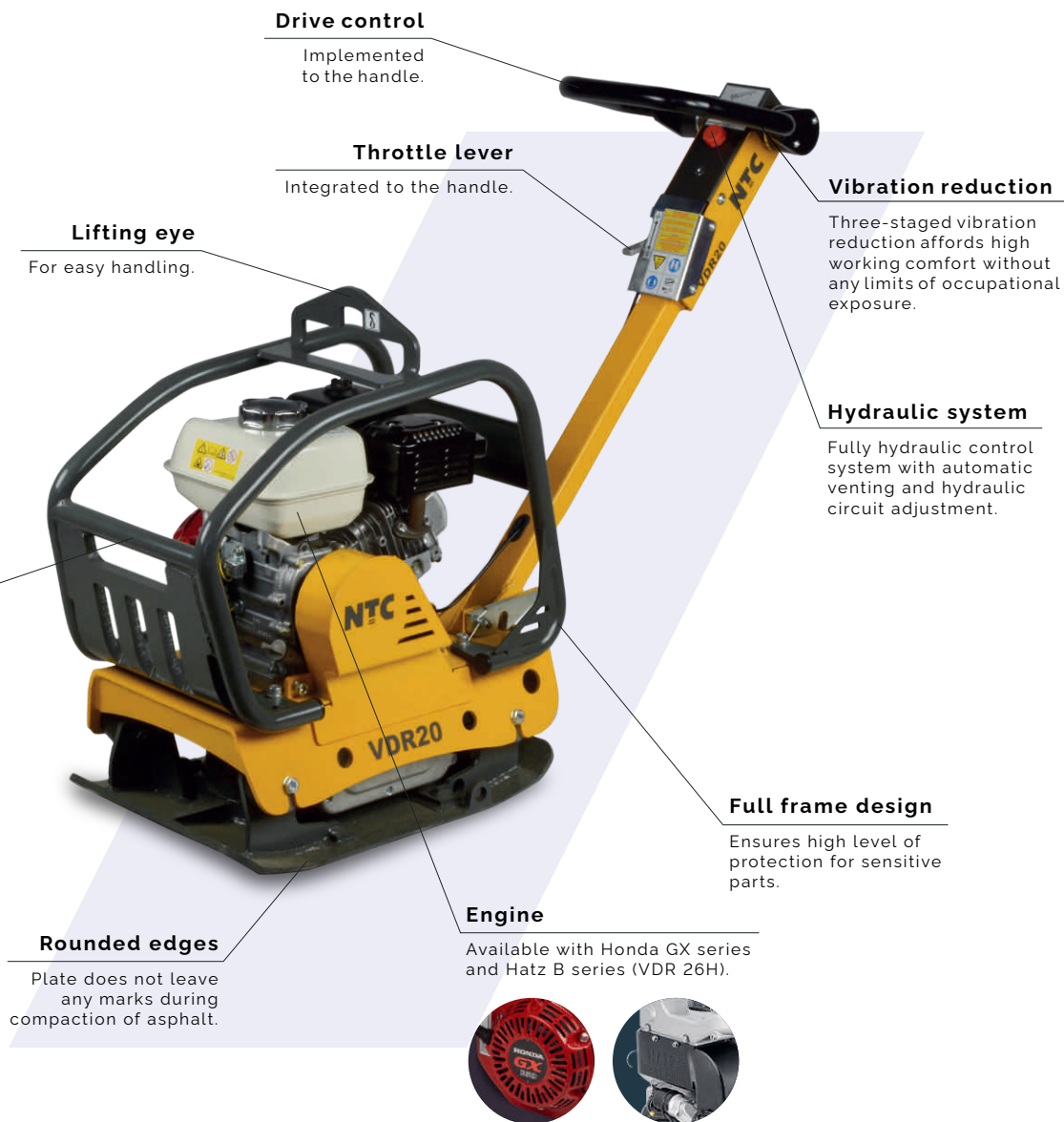
## LIGHTWEIGHT PLATES UP TO 200 KG

Designed to provide high handling comfort with high performance. Thanks to it these machines cover the widest range of service and maintenance work and small-scale work.

### OPTIONAL

- ✓ Sprinkling kit for asphalt compaction
- ✓ Soft pad for paving compaction
- ✓ Wheel kit
- ✓ Hour counter

TYPE	VDR 20	VDR 22	VDR 26	VDR 26H
Weight   kg	95	120	160	170
Centrifugal force   kN	20	22	26	26
Frequency   Hz	100	100	95	95
Engine manufacturer	Honda	Honda	Honda	Hatz
Engine type	GX 120	GX 160	GX 200	1 B 20





## REVERSIBLE VIBRATORY PLATES

# PRIM SERIES

### MIDWEIGHT PLATES 200 - 300 KG

Our midweight reversible vibratory plates stands for the most useful machine for medium-scale construction work in our product range. Suitable for conditions where light machines are not powerful enough, but heavy machines would not use their entire potential.

### OPTIONAL

- ✓ Sprinkling kit for asphalt compaction
- ✓ Soft pad for paving compaction
- ✓ Wheel kit
- ✓ Hour counter

TYPE	VDR 32	VDR 32H	VDR 42
Weight   kg	210	215	280
Centrifugal force   kN	32	32	42
Frequency   Hz	90	90	80
Engine manufacturer	Honda	Hatz	Honda
Engine type	GX 200	1B 20	GX 270



## REVERSIBLE VIBRATORY PLATES

# DUTY SERIES

## HEAVYWEIGHT PLATES 300 - 500 KG

The Duty series vibratory plates are presented as the most efficient machines in the category of vibratory plates. Thanks to optimized, interconnected parameters, they achieve the highest cumulative area performance in this category.

### OPTIONAL

- Soft pad for high-load-paving compaction
- Hour counter
- Electric start (E in the machine type description)

TYPE	VDR 52	VDR 52E	VDR 52H	VDR 52HE	VDR 63	VDR 63E	VDR 63HE
Weight   kg	340	355	360	370	415	430	450
Centrifugal force   kN	52	52	52	52	63	63	63
Frequency   Hz	75	75	75	75	74	74	74
Engine manufacturer	Honda	Honda	Hatz	Hatz	Honda	Honda	Hatz
Engine type	GX 270	GX 270	1 B 30	1 B 30	GX 390	GX 390	1 B 50



## REVERSIBLE VIBRATORY PLATES

# QUEEN SERIES

## SUPER HEAVYWEIGHT PLATES OVER 500 KG

The Queen series, the crown jewel of our guided vibratory plates range. Despite the high performance comparable to large soil rollers, these machines retain their elegance, compact dimensions and great maneuvering potential

### OPTIONAL

Hour counter

TYPE	VDR 75HE
Weight   kg	615
Centrifugal force   kN	75
Frequency   Hz	68
Engine manufacturer	Hatz
Engine type	1 D 81








**TAMPING RAMMERS**





Tamping rammers are specialists for soil compaction. They are widely used for applications where high compaction performance is required.

### **Soil experts**

Tamping rammers are able to work with all kind of soils, even with types where other compaction machines are not able to proceed with the performance level needed. Therefore they are widely used on all types of job sites and are necessary for certain types of works.

**SPARK SERIES** ..... 26-27

## PETROL TAMPING RAMMERS

# SPARK SERIES

## POWERFUL JUMPERS

So far unsurpassed manual compaction machines of small dimensions, which, thanks to the high compacting force, are able to affect the material at great depth.

## OPTIONAL

- Wheel kit
- Handle under the engine (for models NT 76 and NT 76P)

TYPE	NT 64P	NT 72P	NT 76	NT 76P
Weight   kg	64	72	76	76
Compaction force   kN	15	17	18	18
Frequency   blows/min	650	650	650	650
Engine manufacturer	Honda	Honda	Honda	Honda
Engine type	GXR 120	GXR 120	GXR 120	GXR 120







/// XXX  
/// XXX  
/// XXX  
/// XXX





# VIBRATORY ROLLERS

## WALK-BEHIND





Walk-behind vibratory rollers NTC have been the world leader among machines of this type since 1998 when we introduced the first model of this series to the market. We brought a highly innovative and unconventional solution that achieved the best performance. In this direction, we are constantly innovating our product range and also offer world-unique solutions for specific applications.

**Productivity versus depth effect**

In the field of guided compaction machinery walk-behind vibratory rollers reaches the highest area productivity. As they are designed for a technology of surface compaction, they use small vibration amplitude which result in the highest work stability.

**/ STANDARD SERIES** ..... 30

**/ CONTROL SERIES** ..... 31

**/ ELLIPSE SERIES** ..... 32

## WALK-BEHIND VIBRATORY ROLLERS

# STANDARD SERIES

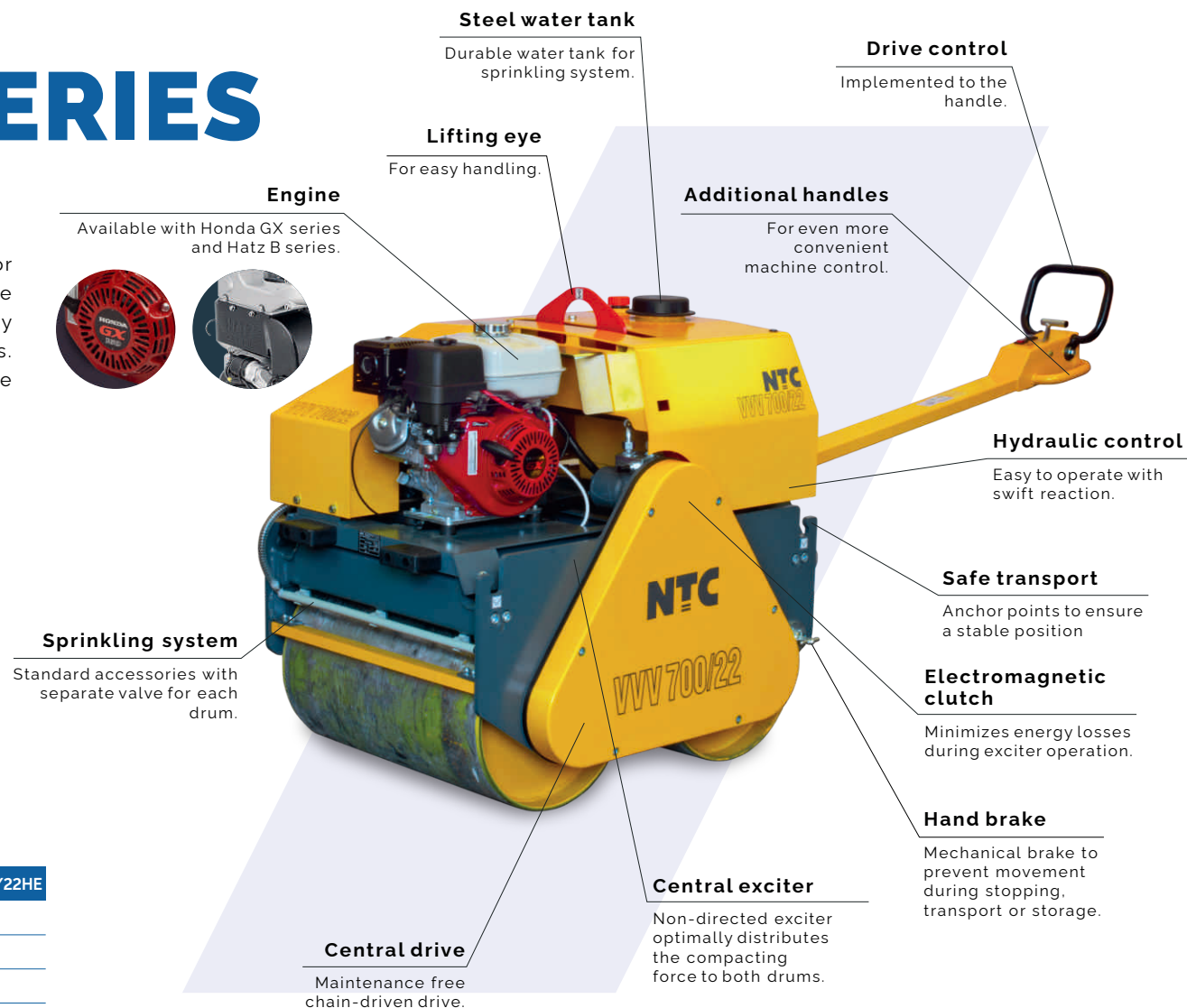
### FOR THE PERFECT SURFACES

Series of walk-behind vibratory rollers for universal use for compaction of soils or asphalt. During the development of the first model in 1998 we used unique concept new to the world by which we significantly reduced the system energy losses. Since then this concept become the standard for all our future models of walk-behind rollers.

### OPTIONAL

Hour counter

TYPE	VVV 600/12	VVV 600/12HE	VVV 700/22	VVV 700/22HE
Weight   kg	560	580	875	900
Drums width   mm	600	600	700	700
Centrifugal force   kN	12	12	22	22
Frequency   Hz	60	60	55	55
Engine manufacturer	Honda	Hatz	Honda	Hatz
Engine type	GX 200	1 B 20	GX 270	1 B 30



## WALK-BEHIND VIBRATORY ROLLERS

# CONTROL SERIES

### FOR COMFORTABLE HANDLING

These days unique concept of the Control series walk-behind vibratory rollers provide easy and smooth handling thanks to the steering wheel which provides better working comfort to the operator.

### OPTIONAL

- ✓ Hour counter
- ✓ Steering wheel scraper
- ✓ Steering wheel sprinkling

TYPE	VVV 701/22	VVV 701/22HE
Weight   kg	995	1025
Drums width   mm	700	700
Centrifugal force   kN	22	22
Frequency   Hz	55	55
Engine manufacturer	Honda	Hatz
Engine type	GX 270	1 B 30



## WALK-BEHIND VIBRATORY ROLLERS

# ELLIPSE SERIES

## FOR A PRECISE DRAINAGE

A speciality among walk-behind vibratory rollers are these models with elliptical drums, which are developed directly for the compaction of asphalt drainage channels.

## OPTIONAL

Hour counter

TYPE	VVV 600/12EHE
Weight   kg	690
Drums geometry	Elliptical
Centrifugal force   kN	12
Frequency   Hz	60
Engine manufacturer	Hatz
Engine type	1 B 30











The image features a yellow and black NTC VT 100 tandem vibratory roller. The machine is positioned in a dark, industrial environment, possibly a warehouse or workshop, with a blue triangular graphic element in the top left corner. The roller has two large, heavy-duty metal drums. The operator's platform is black with yellow safety railings. The model name 'VT 100' is printed in yellow on the side of the platform. The NTC logo is prominently displayed on a black panel between two LED light bars. A yellow protective skirt is visible around the front drum. The machine is parked on a dark, textured surface.

# VIBRATORY ROLLERS

## TANDEM

We are producing tandem vibratory rollers for more than 15 years now. These machines are our flagships and even they are the largest and most advanced machines in our range, we keep it as simple as possible to ensure that all systems work perfectly at all times.

### **The comfort of large machines in small dimensions**

Tandem or sit-on rollers are representatives of light and heavy compaction machinery. In NTC we focus on the development of light tandem rollers with an operating weight up to 1,5 tons. These machines offer to operators the highest level of working comfort in this range and they are perfectly suited as support machines on line constructions, but mainly they are used for service and maintenance works.

**SHIELD SERIES** ..... 36-37

## TANDEM VIBRATORY ROLLERS

# SHIELD SERIES

### FOR LONG-LASTING RESULTS

These tandem vibratory rollers were developed for a protection of created legacy and its sustainability as they are primarily intended for the service and maintenance segment.

### OPTIONAL

- Canopy (rain roof)
- Safety beacon
- Reversing alarm
- Box for documents
- Rear drum vibration ON/OFF switch at the control panel
- Flash lights (front, back, beacon)

TYPE	VT 090	VT 090H	VT 100	VT 100H
Weight   kg	1360	1390	1430	1460
Drums width   mm	900	900	1000	1000
Centrifugal force   kN	2x14	2x14	2x16	2x16
Frequency   Hz	60	60	60	60
Engine manufacturer	Honda	Hatz	Honda	Hatz
Engine type	GX 690	2 G 40	GX 690	2 G 40





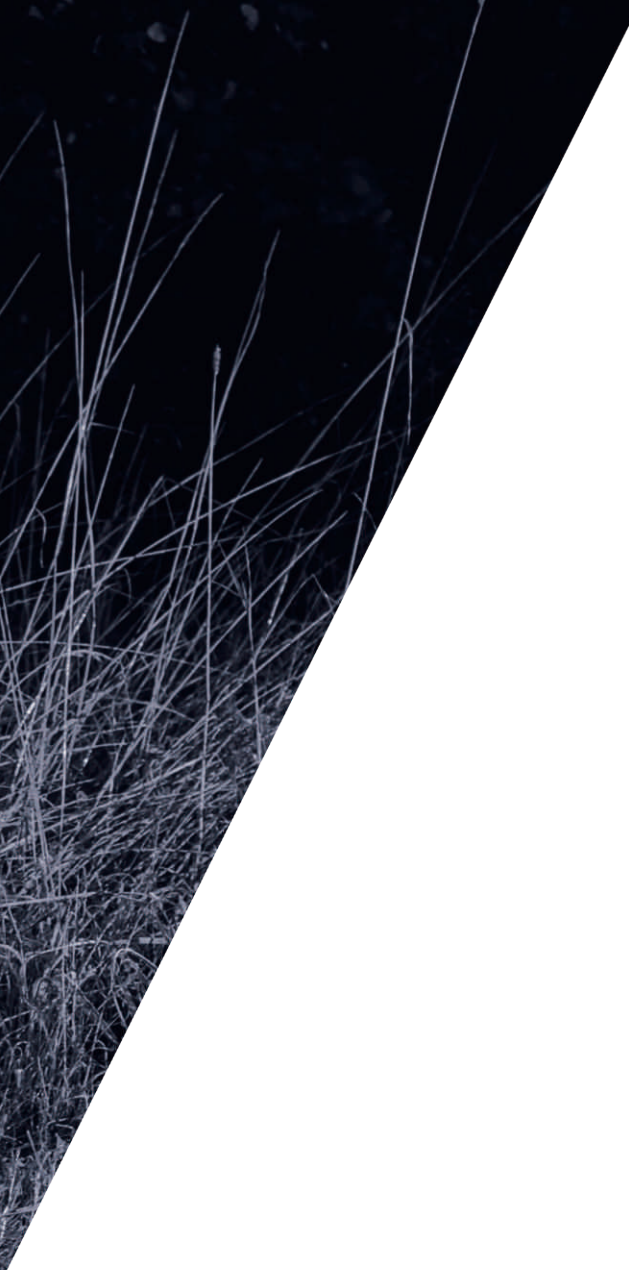






# FLOOR SAWS





Floor cutters are directly linked to all kind of construction works. These machines are used for production, preparation and maintenance works such as construction of production halls, preparation of excavation work or road repairs.

**Higher standards**

We started with floor saws development in 1997. The following year we launched the world's first closed-frame floor saw, which greatly increased machine rigidity, cut quality and tool life. This concept was subsequently adopted by other manufacturers and nowadays it is standard for these machines.

- / EASY SERIES** ..... 40
- / PRO SERIES** ..... 41
- / EXCLUSIVE SERIES** ..... 42
- / MOVE SERIES** ..... 43

## FLOOR SAWS

# EASY SERIES

## FOR SMALL PROJECTS AND HIGH MOBILITY

Light, compact and powerful, that is Easy series of floor saws, which are typically used for accompanying work on smaller projects.

## OPTIONAL

- Hour counter
- Engine with cyclone filter (RZ 123V)
- Diamond blade for an asphalt
- Diamond blade for a concrete and reinforced concrete

TYPE	RZ 123	RZ 123V
Weight   kg	68	70
Max. cutting depth   mm	120	120
Blade diameter   mm	350	350
Engine manufacturer	Honda	Vanguard
Engine type	GX 200	200





## FLOOR SAWS

# PRO SERIES

## FOR THE REAL PROFESSIONALS

These machines were developed with specific goal, to be the best floor saw for the most demanding working conditions, the environment of rental shops.

## OPTIONAL

- Hour counter
- Trottle lever on the control panel
- Engine with cyclone filter (RZ 200V)
- Diamond blade for an asphalt
- Diamond blade for a concrete and reinforced concrete

TYPE	RZ 120	RZ 170	RZ 170B	RZ 200	RZ 200B	RZ 200V
Weight   kg	100	110	115	110	115	120
Max. cutting depth   mm	120	170	170	190 / 200	190 / 200	190 / 200
Blade diameter   mm	350	450	450	500 / 520	500 / 520	500 / 520
Engine manufacturer	Honda	Honda	B&S	Honda	B&S	Vanguard
Engine type	GX 270	GX 390	XR 2100	GX 390	XR 2100	400



## FLOOR SAWS

# EXCLUSIVE SERIES

## FOR THE GREATEST EXPECTATIONS

These machines are our top-line range of manual floor saws. They are fully equipped for large workloads, quick commissioning or shutdown, as well as easy control of cutting accuracy.

## OPTIONAL

- Hour counter
- Diamond blade for an asphalt
- Diamond blade for a concrete and reinforced concrete

TYPE	RZ 122	RZ 172	RZ 202	RZ 202H
Weight   kg	105	120	120	130
Max. cutting depth   mm	120	170	190 / 200	190 / 200
Blade diameter   mm	350	450	500 / 520	500 / 520
Engine manufacturer	Honda	Honda	Honda	Hatz
Engine type	GX 270	GX 390	GX 390	1 B 30



## FLOOR SAWS

# MOVE SERIES

## FOR CLEAR DEFINITION OF MOVEMENT

The electric drive of these machines with fine speed regulation increases working comfort, work efficiency and protection against machine overload or tool damage.

## OPTIONAL

- ✓ Hour counter
- ✓ Diamond blade for an asphalt
- ✓ Diamond blade for a concrete and reinforced concrete

TYPE	RZ 202EP
Weight   kg	185
Max. cutting depth   mm	190 / 200
Blade diameter   mm	500 / 520
Engine manufacturer	Honda
Engine type	GX 390







**POWER GENERATORS**



Power generators play a vital role in the supply of electrical energy in the event that it is not possible to ensure a connection to the electrical network or another source of electricity. Nowadays most systems are electricity dependent so electricity supplies are necessary for a work of large range of machines and equipment.

**Direct source of electricity**

The principle of generator function is the energy transformation stored in the fuel into directly used electricity without its immediate accumulation. Still it is small enough machine to be moved anywhere at anytime to provide electricity wherever it is needed.

**/ STANDARD** ..... 46-47

**/ AVR** ..... 48-49

**/ WITH WELDERS** ..... 50-51

## STANDARD POWER GENERATORS

# SPIRIT SERIES

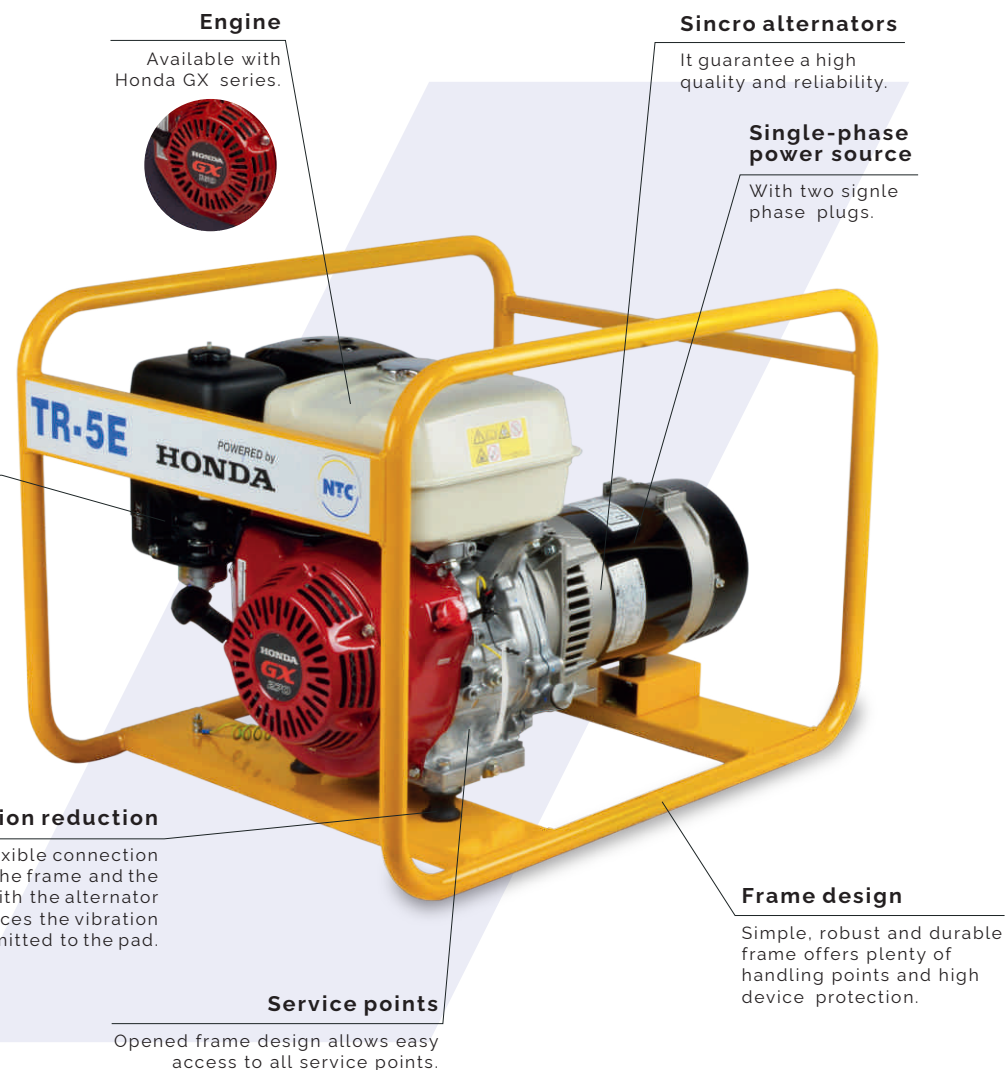
## MOBILE POWER SOURCE FOR SINGLE-PHASE DEVICES

Power source for the operation of common single-phase devices such as hand tools or light towers.

### OPTIONAL

- ✓ Wheel kit
- ✓ Circuit breaker
- ✓ Voltmeter
- ✓ Hour counter
- ✓ Automatic START-STOP panel
- ✓ Accessories for engines GX 160, GX 270 and GX 390:  
Electric fuel tap | Choke kit
- ✓ Accessories for engines GX 630:  
Metal fuel canister

TYPE	TR-2,2	TR-2,5	TR-3,3	TR-5E	TR-6E	TR-7E	TR-13E
Electric power   kVA	2,2	2,5	3,3	5,0	6,0	7,0	13,0
Current   A	10,8	10,8	14,3	21,7	26,0	30,5	56,0
Electric start	Ne	Ne	Ne	Ne	Ne	Ne	Ano
Engine type	GX 160	GX 160	GX 200	GX 270	GX 390	GX 390	GX 630
Weight   kg	35	38	40	58	72	75	113



## STANDARD POWER GENERATORS

# SPIRIT+ SERIES

## MOBILE POWER SOURCE FOR THREE-PHASE DEVICES

These three-phase power generators ensure the operation of both single-phase and three-phase devices such as circular saws and machines with a so-called hard start.

### OPTIONAL

- ✓ Wheel kit
- ✓ Circuit breaker
- ✓ Voltmeter
- ✓ Hour counter
- ✓ Automatic START-STOP panel
- ✓ Accessories for engines GX 270 and GX 390:  
Electric fuel tap | Choke kit
- ✓ Accessories for engines GX 630 and GX 690:  
Metal fuel canister

TYPE	TRT-5,5	TRT-6,5	TRT-10	TRT-14	TRT-15
Electric power 3p/1p   kVA	5,5 / 4,0	6,5 / 4,0	10,0 / 4,0	14,0 / 4,0	15,0 / 5,0
Current 3p/1p   A	7,8 / 18,0	9,4 / 18,0	14,2 / 17,0	20,0 / 20,0	21,4 / 21,4
Electric start	Ne	Ne	Ne	Ano	Ano
Engine type	GX 270	GX 390	GX 390	GX 630	GX 690
Weight   kg	73	76	76	114	122

### Engine

Available with Honda GX series.



### Sincro alternators

It guarantee a high quality and reliability.

### Three-phase power source

With one three-phase plug and two single-phase plugs.

### Compound regulation

A very effective method of voltage regulation especially for types of equipment such as compressors, water pumps or circular saws.

### Vibration reduction

A flexible connection between the frame and the engine with the alternator reduces the vibration transmitted to the pad.

### Service points

Opened frame design allows easy access to all service points.

### Frame design

Simple, robust and durable frame offers plenty of handling points and high device protection.





## AVR POWER GENERATORS

# OMNI SERIES

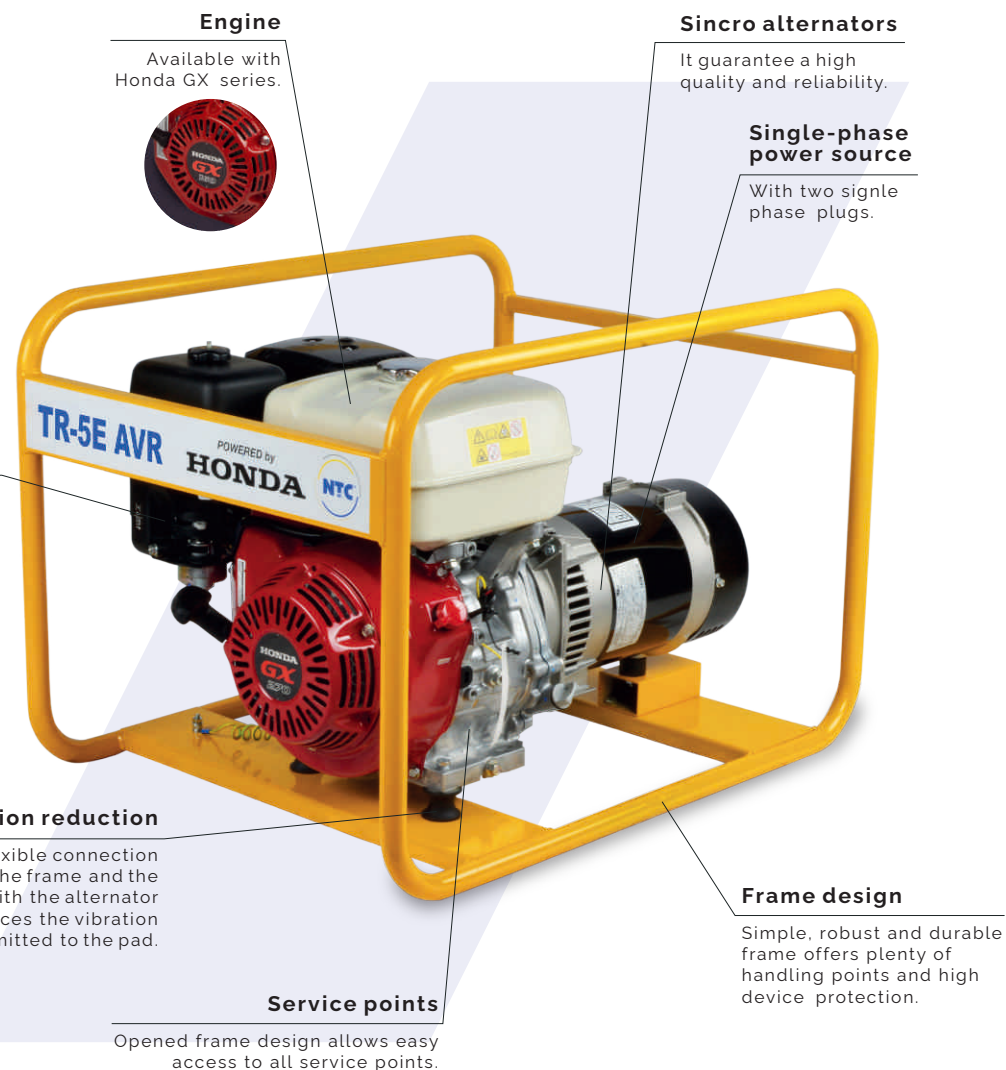
## STABLE VOLTAGE FOR SINGLE-PHASE DEVICES

Single-phase power generators with modul AVR (automatic voltage regulation) are developed for the needs of powering devices with great sensitivity to the constant output voltage.

### OPTIONAL

- ✓ Wheel kit
- ✓ Circuit breaker
- ✓ Voltmeter
- ✓ Hour counter
- ✓ Automatic START-STOP panel
- ✓ Accessories for engines GX 160, GX 270 and GX 390:  
Electric fuel tap | Choke kit
- ✓ Accessories for engines GX 630:  
Metal fuel canister

TYPE	TR-2,5 AVR	TR-3,3 AVR	TR-5E AVR	TR-7E AVR	TR-13E AVR
Electric power   kVA	2,5	3,3	5,0	7,0	13,0
Current   A	10,8	14,3	21,7	30,5	56,0
Electric start	Ne	Ne	Ne	Ne	Ano
Engine type	GX 160	GX 200	GX 270	GX 390	GX 630
Weight   kg	38	40	58	75	113



## AVR POWER GENERATORS

# OMNI+ SERIES

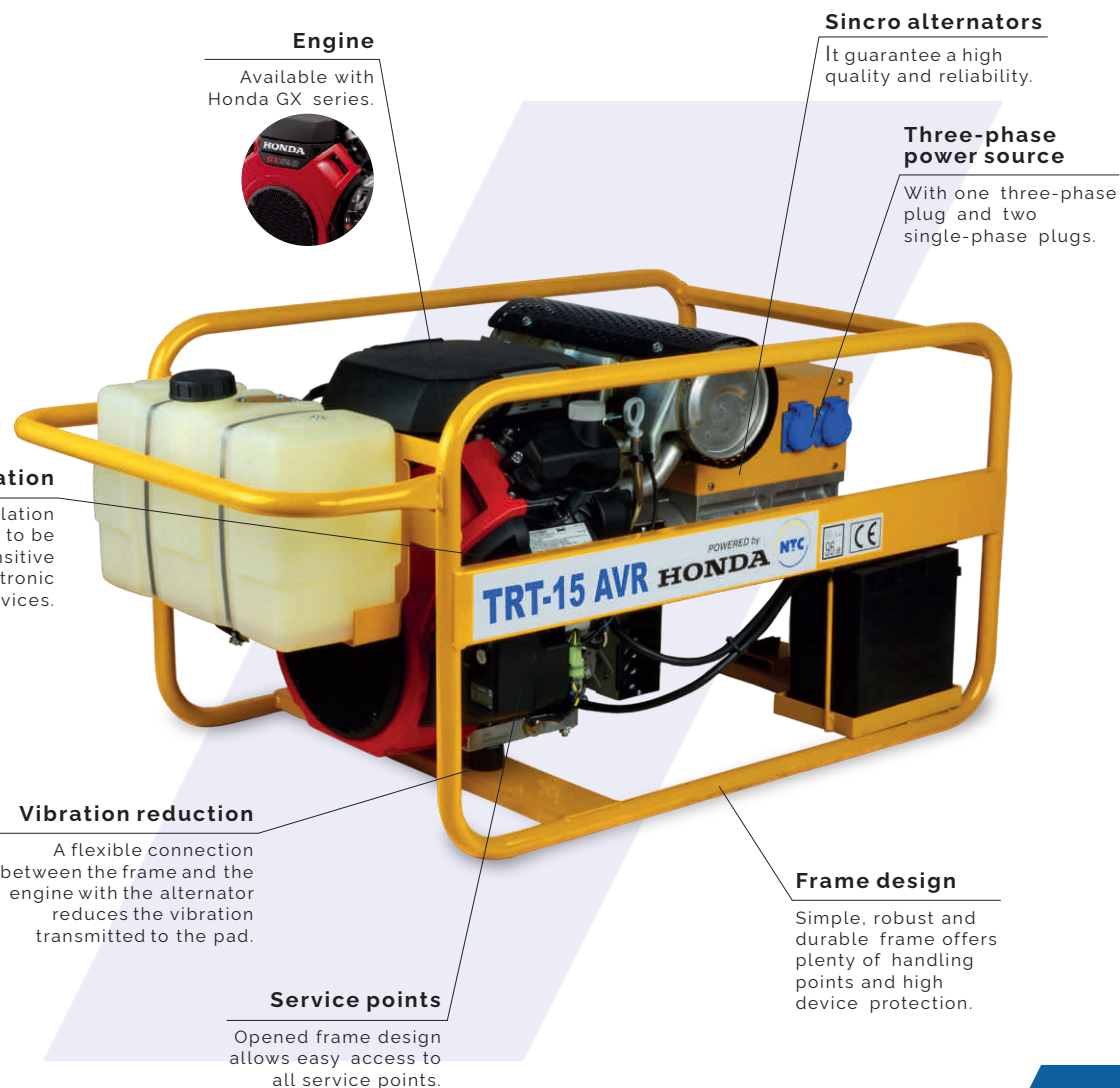
## STABLE VOLTAGE FOR THREE-PHASE DEVICES

Thanks to the AVR module, these three-phase power plants ensure a constant output electrical voltage, which prevents possible damage to the powered equipment due to fluctuating output characteristics.

## OPTIONAL

- ✓ Wheel kit
- ✓ Circuit breaker
- ✓ Voltmeter
- ✓ Hour counter
- ✓ Automatic START-STOP panel
- ✓ Accessories for engines GX 390:  
Electric fuel tap | Choke kit
- ✓ Accessories for engines GX 630 and GX 690:  
Metal fuel canister

TYPE	TRT-6,5 AVR	TRT-14 AVR
Electric power 3p/1p   kVA	6,5 / 4,0	14,0 / 4,0
Current 3p/1p   A	9,4 / 18,0	20,0 / 20,0
Electric start	Ne	Ano
Engine type	GX 390	GX 630
Weight   kg	76	114



### Engine

Available with Honda GX series.



### Sincro alternators

It guarantee a high quality and reliability.

### Three-phase power source

With one three-phase plug and two single-phase plugs.

### AVR regulation

Automatic voltage regulation allows these generators to be safely used to power sensitive equipment such as electronic devices.

### Vibration reduction

A flexible connection between the frame and the engine with the alternator reduces the vibration transmitted to the pad.

### Service points

Opened frame design allows easy access to all service points.

### Frame design

Simple, robust and durable frame offers plenty of handling points and high device protection.

## POWER GENERATORS WITH WELDERS

# ARCUS SERIES

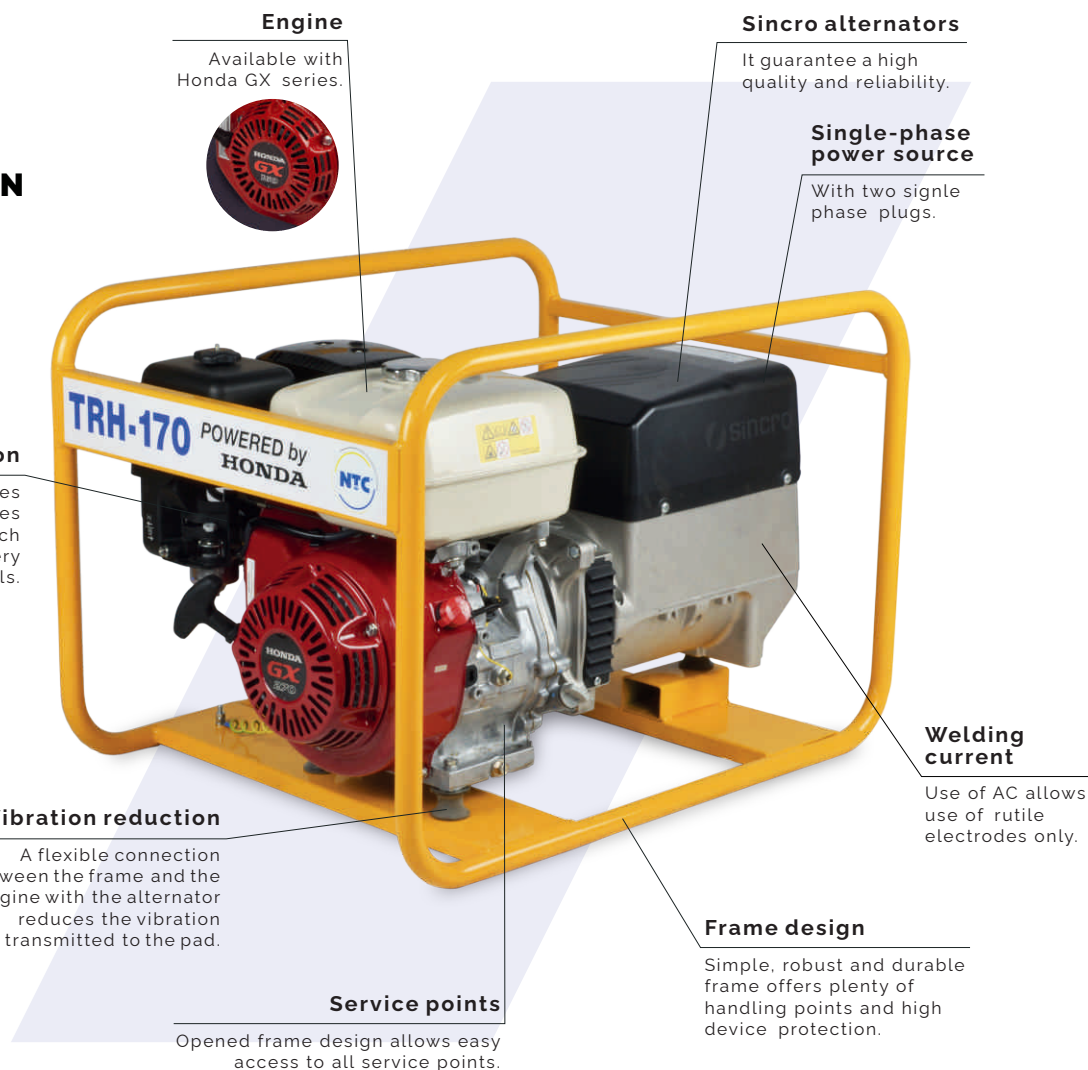
## FOR AC WELDING AND SINGLE-PHASE CONNECTION

These generators are used for the needs of independent welding, thanks to built-in welding unit designed for use of rutile electrodes with the possibility of connecting single-phase devices.

### OPTIONAL

- ✓ Wheel kit
- ✓ Circuit breaker
- ✓ Voltmeter
- ✓ Hour counter
- ✓ Welding cable
- ✓ Electric fuel tap
- ✓ Choke kit

TYPE	TRH-170	TRH-200
Electric power   kVA	5,0	7,0
Max. welding current   A	170 AC	200 AC
Electric start	Ne	Ne
Engine type	GX 270	GX 390
Weight   kg	73	82





## POWER GENERATORS WITH WELDERS

# ARCUS+ SERIES

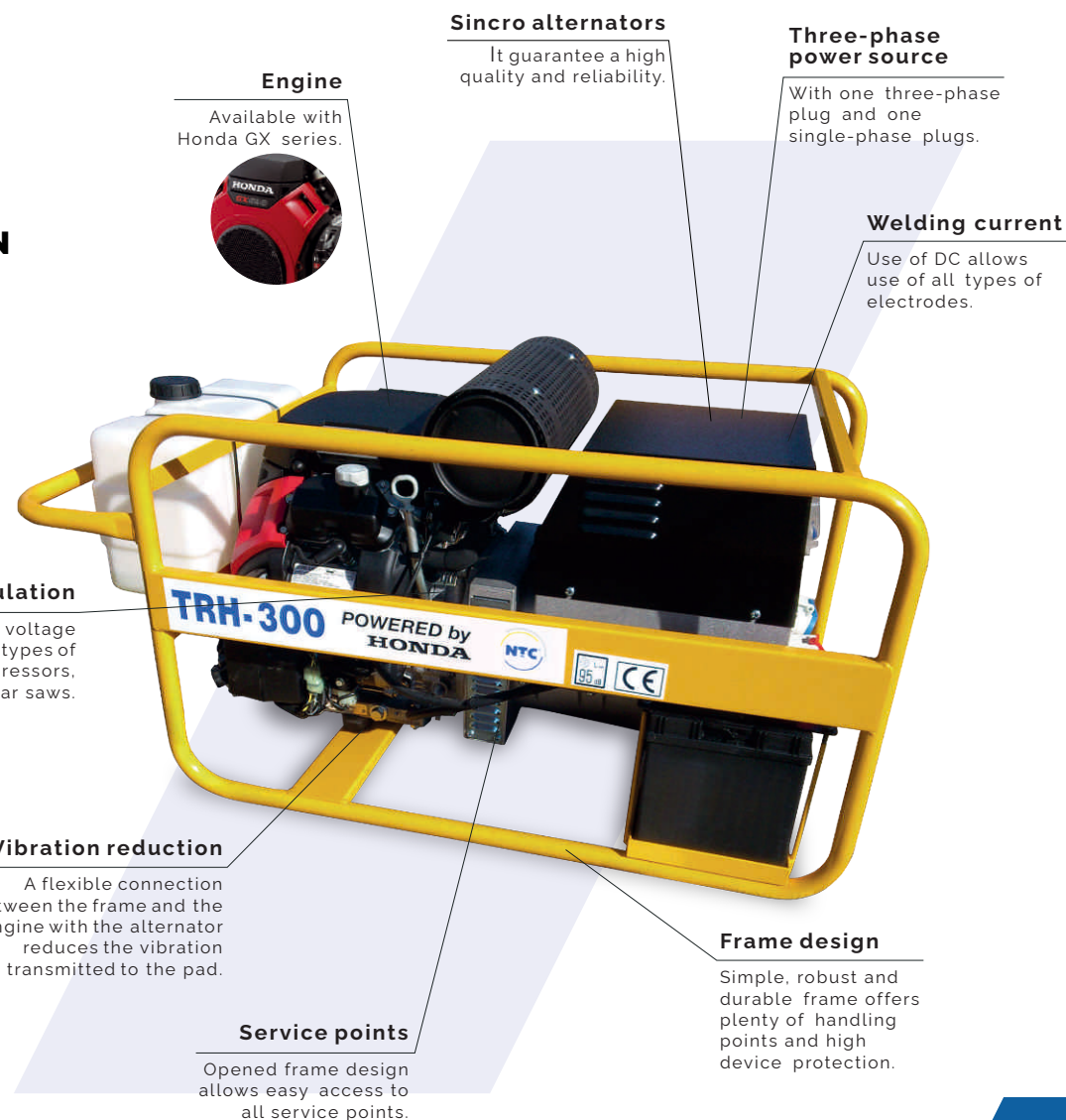
## FOR DC WELDING AND THREE-PHASE CONNECTION

These welding generators can be used for welding with all types of welding electrodes while maintaining the possibility of an independent power source for three-phase and single-phase devices.

### OPTIONAL

- ✓ Wheel kit
- ✓ Circuit breaker
- ✓ Voltmeter
- ✓ Hour counter
- ✓ Welding cable
- ✓ Accessories for engines GX 270 and GX 390:  
Electric fuel tap | Choke kit
- ✓ Accessories for engines GX 630:  
Metal fuel canister

TYPE	TRH-171	TRH-221	TRH-300
Electric power 3p/1p   kVA	5,5 / 3,5	6,5 / 3,5	8,0 / 3,0
Max. welding current   A	170 DC	200 DC	300 DC
Electric start	Ne	Ne	Ano
Engine type	GX 270	GX 390	GX 630
Weight   kg	82	86	126



# TECHNICAL PARAMETERS

## BATTERY POWERED CONSTRUCTION MACHINERY



### FORWARD VIBRATORY PLATES

TYPE	e.VD 15
Weight w/o battery   kg	90
Plate dimensions (WxL)   mm	400x565
Centrifugal force   kN	15
Frequency   Hz	100
Maximal speed   m/min	25
Engine manufacturer	Honda
Engine type	GXE 2.0H
Net power   kW/3600 rpm	1.8
Battery type	Li-ion
Voltage   V	72
Capacity   Wh (Ah)	720 (10)
Battery weight   kg	6.4

### TAMPING RAMMERS

TYPE	e.NT 80
Weight w/o battery   kg	80
Shoe dimensions (WxL)   mm	285x354
Compacting force   kN	18
Frequency   blows/min	650
Amplitude   mm	70
Engine manufacturer	Honda
Engine type	GXE 2.0S
Net power   kW/3600 rpm	1.8
Battery type	Li-ion
Voltage   V	72
Capacity   Wh (Ah)	720 (10)
Battery weight   kg	6.4

### FLOOR SAWS

TYPE	e.RZ 110
Weight w/o battery   kg	72
Blade diameter   mm	300
Max. cutting depth   mm	110
Dimensions (LxWxH)   mm	820x560x600
Max. rpm w/o load   rpm	3600
Engine manufacturer	Honda
Engine type	GXE 2.0H
Net power   kW/3600 rpm	1.8
Battery type	Li-ion
Voltage   V	72
Capacity   Wh (Ah)	720 (10)
Battery weight   kg	6.4

## FORWARD VIBRATORY PLATES

### MINI SERIES

TYPE	VD 12P
Weight   kg	60
Plate dimensions (WxL)   mm	330x460
Centrifugal force   kN	12
Frequency   Hz	100
Maximal speed   m/min	25
Engine manufacturer	Honda
Engine type	GX 120
Fuel	Petrol
Net power   kW/3600 rpm	2,6*

### PRACTIC SERIES

TYPE	VD 15P	VD 15PB	VD 18P	VD 18PB	VD 20P	VD 20PB	VD 24P	VD 24PB
Weight   kg	85	85	95	95	105	105	110	110
Plate dimensions (WxL)   mm	400x565	400x565	450x565	450x565	500x565	500x565	500x565	500x565
Centrifugal force   kN	15	15	18	18	20	20	24	24
Frequency   Hz	100	100	100	100	100	100	100	100
Maximal speed   m/min	25	25	25	25	25	25	25	25
Engine manufacturer	Honda	B&S	Honda	B&S	Honda	B&S	Honda	B&S
Engine type	GX 160	XR 750	GX 160	XR 750	GX 160	XR 750	GX 160	XR 750
Fuel	Petrol	Petrol	Petrol	Petrol	Petrol	Petrol	Petrol	Petrol
Net power   kW/3600 rpm	3,6*	3,67***	3,6*	3,67***	3,6*	3,67***	3,6*	3,67***

### VARIABLE CONCEPT

### ELEGANT SERIES

#### SOIL-ASPHALT CONCEPT

TYPE	VD 15	VD 18	VD 20	VD 24
Weight   kg	85	95	105	110
Plate dimensions (WxL)   mm	400x565	450x565	500x565	500x565
Centrifugal force   kN	15	18	20	24
Frequency   Hz	100	100	100	100
Maximal speed   m/min	25	25	25	25
Engine manufacturer	Honda	Honda	Honda	Honda
Engine type	GX 160	GX 160	GX 160	GX 160
Fuel	Petrol	Petrol	Petrol	Petrol
Net power   kW/3600 rpm	3,6*	3,6*	3,6*	3,6*

### KLASIK SERIES

#### SOIL SPECIALISTS

TYPE	VD 350/16	VD 450/20	VD 450/22
Weight   kg	105	115	140
Plate dimensions (WxL)   mm	350x610	450x610	450x610
Centrifugal force   kN	16	20	22
Frequency   Hz	81	81	81
Maximal speed   m/min	24	24	24
Engine manufacturer	Honda	Honda	Honda
Engine type	GX 120	GX 160	GX 160
Fuel	Petrol	Petrol	Petrol
Net power   kW/3600 rpm	2,6*	3,6*	3,6*

\*according to SAE J1349 | \*\*ISO 3046-1 | \*\*\*SAE J1940



## REVERSIBLE VIBRATORY PLATES

### RANGE SERIES

### LIGHTWEIGHT

TYPE	VDR 20	VDR 22	VDR 26	VDR 26H
Weight   kg	95	120	160	170
Plate dimensions (WxL)   mm	350x560	400x630	450x700	450x700
Centrifugal force   kN	20	22	26	26
Frequency   Hz	100	100	95	95
Maximal speed   m/min	24	24	22	22
Engine manufacturer	Honda	Honda	Honda	Hatz
Engine type	GX 120	GX 160	GX 200	1 B 20
Fuel	Petrol	Petrol	Petrol	Diesel
Net power   kW/3600 rpm	2,6*	3,6*	4,1*	3,4**
Elektrický startér	Ne	Ne	Ne	Ne

### PRIM SERIES

### MIDWEIGHT

TYPE	VDR 32	VDR 32H	VDR 42
Weight   kg	210	215	280
Plate dimensions (WxL)   mm	500x750	500x750	550x800
Centrifugal force   kN	32	32	42
Frequency   Hz	90	90	80
Maximal speed   m/min	22	22	25
Engine manufacturer	Honda	Hatz	Honda
Engine type	GX 200	1 B 20	GX 270
Fuel	Petrol	Diesel	Petrol
Net power   kW/3600 rpm	4,1*	3,4**	6,3*
Elektrický startér	Ne	Ne	Ne

### DUTY SERIES

### HEAVYWEIGHT

TYPE	VDR 52	VDR 52E	VDR 52H	VDR 52HE	VDR 63	VDR 63E	VDR 63HE
Weight   kg	340	355	360	370	415	430	450
Plate dimensions (WxL)   mm	600x815	600x815	600x815	600x815	680x895	680x895	680x895
Centrifugal force   kN	52	52	52	52	63	63	63
Frequency   Hz	75	75	75	75	74	74	74
Maximal speed   m/min	28	28	28	28	26	26	26
Engine manufacturer	Honda	Honda	Hatz	Hatz	Honda	Honda	Hatz
Engine type	GX 270	GX 270	1 B 30	1 B 30	GX 390	GX 390	1 B 50
Fuel	Petrol	Petrol	Diesel	Diesel	Petrol	Petrol	Diesel
Net power   kW/3600 rpm	6,3*	6,3*	5,0**	5,0**	8,7*	8,7*	7,9**
Elektrický startér	Ne	Ano	Ne	Ano	Ne	Ano	Ano

### QUEEN SERIES

### SUPER HEAVYWEIGHT

TYPE	VDR 75HE
Weight   kg	615
Plate dimensions (WxL)   mm	750x1010
Centrifugal force   kN	75
Frequency   Hz	68
Maximal speed   m/min	26
Engine manufacturer	Hatz
Engine type	1 D 81
Fuel	Diesel
Net power   kW/3600 rpm	10,1**
Elektrický startér	Ano

## WALK-BEHIND VIBRATORY ROLLERS

### STANDARD SERIES

TYPE	VV 600/12	VV 600/12HE	VV 700/22	VV 700/22HE
Weight   kg	560	580	875	900
Drum width   mm	600	600	700	700
Centrifugal force   kN	12	12	22	22
Frequency   Hz	60	60	55	55
Maximal speed ↑↓   km/hod	5 / 2	5 / 2	5 / 2	5 / 2
Gradeability   °	20	20	20	20
Engine manufacturer	Honda	Hatz	Honda	Hatz
Engine type	GX 200	1 B 20	GX 270	1 B 30
Fuel	Petrol	Diesel	Petrol	Diesel
Net power   kW/3600 rpm	4,1*	3,4**	6,3*	5,0**
Electric start	Ne	Ano	Ne	Ano

### CONTROL SERIES

WITH STEERING WHEEL

TYPE	VV 701/22	VV 701/22HE
Weight   kg	995	1025
Drum width   mm	700	700
Centrifugal force   kN	22	22
Frequency   Hz	55	55
Maximal speed ↑↓   km/hod	5 / 2	5 / 2
Gradeability   °	20	20
Engine manufacturer	Honda	Hatz
Engine type	GX 270	1 B 30
Fuel	Petrol	Diesel
Net power   kW/3600 rpm	6,3*	5,0**
Electric start	Ne	Ano

### ELLIPSE SERIES

WITH ELLIPTICAL DRUMS

TYPE	VV 600/12EHE
Weight   kg	690
Drum geometry	Elliptical
Centrifugal force   kN	12
Frequency   Hz	60
Maximal speed ↑↓   km/hod	5 / 2
Gradeability   °	20
Engine manufacturer	Hatz
Engine type	1 B 30
Fuel	Diesel
Net power   kW/3600 rpm	5,0**
Electric start	Ano

## TANDEM VIBRATORY ROLLERS

### SHIELD SERIES

TYPE	VT 090	VT 090H	VT 100	VT 100H
Weight   kg	1360	1390	1430	1460
Drum width   mm	900	900	1000	1000
Centrifugal force   kN	2x14	2x14	2x16	2x16
Frequency   Hz	60	60	60	60
Maximal speed ↑↓   km/hod	10 / 10	10 / 10	10 / 10	10 / 10
Gradeability   °	20	20	20	20
Engine manufacturer	Honda	Hatz	Honda	Hatz
Engine type	GX 690	2 G 40	GX 690	2 G 40
Fuel	Petrol	Diesel	Petrol	Diesel
Net power   kW/3600 rpm	16,5*	15,4**	16,5*	15,4**
Electric start	Ano	Ano	Ano	Ano

## TAMPING RAMMERS

### SPARK SERIES

TYPE	NT 64P	NT 72P	NT 76	NT 76P
Weight   kg	64	72	76	76
Shoe dimensions (WxL)   mm	250x300	285x300	285x345	285x345
Compacting forece   kN	15	17	18	18
Frequency   blows/min	650	650	650	650
Amplitude   mm	55	60	70	70
Engine manufacturer	Honda	Honda	Honda	Honda
Engine type	GXR 120	GXR 120	GXR 120	GXR 120
Fuel	Petrol	Petrol	Petrol	Petrol
Net power   kW/3600 rpm	2,7*	2,7*	2,7*	2,7*
Prefilter	Ano	Ano	Ne	Ano

\*according to SAE J1349 | \*\*ISO 3046-1 | \*\*\*SAE J1940

## FLOOR SAWS

### EASY SERIES

TYPE	RZ 123	RZ 123V
Weight   kg	68	70
Max. cutting depth   mm	120	120
Blade diameter   mm	350	350
Dimensions (LxWxH)   mm	820x560x950	820x560x950
Max. rpm w/o load   rpm	3600	3600
Engine manufacturer	Honda	Vanguard
Engine type	GX 200	200
Fuel	Petrol	Petrol
Net power   kW/3600 rpm	4,1*	4,8***
Drive	Manual	Manual

### PRO SERIES

TYPE	RZ 120	RZ 170	RZ 170B	RZ 200	RZ 200B	RZ 200V
Weight   kg	100	110	115	110	115	120
Max. cutting depth   mm	120	170	170	190 / 200	190 / 200	190 / 200
Blade diameter   mm	350	450	450	500 / 520	500 / 520	500 / 520
Dimensions (LxWxH)   mm	1060x550x960	1060x550x960	1060x550x960	1060x550x960	1060x550x960	1060x550x960
Max. rpm w/o load   rpm	3400	2800	2800	2500	2500	2500
Engine manufacturer	Honda	Honda	B&S	Honda	B&S	Vanguard
Engine type	GX 270	GX 390	XR 2100	GX 390	XR 2100	400
Fuel	Petrol	Petrol	Petrol	Petrol	Petrol	Petrol
Net power   kW/3600 rpm	6,3*	8,7*	9,93***	8,7*	9,93***	9,93***
Drive	Manual	Manual	Manual	Manual	Manual	Manual

### EXCLUSIVE SERIES

TYPE	RZ 122	RZ 172	RZ 202	RZ 202H
Weight   kg	105	120	120	130
Max. cutting depth   mm	120	170	190 / 200	190 / 200
Blade diameter   mm	350	450	500 / 520	500 / 520
Dimensions (LxWxH)   mm	1120x550x1060	1120x550x1060	1120x550x1060	1120x550x1060
Max. rpm w/o load   rpm	3400	2800	2500	2500
Engine manufacturer	Honda	Honda	Honda	Hatz
Engine type	GX 270	GX 390	GX 390	1 B 30
Fuel	Petrol	Petrol	Petrol	Diesel
Net power   kW/3600 rpm	6,3*	8,7*	8,7*	5**
Drive	Manual	Manual	Manual	Manual

### MOVE SERIES

TYPE	RZ 202EP
Weight   kg	185
Max. cutting depth   mm	190 / 200
Blade diameter   mm	500 / 520
Dimensions (LxWxH)   mm	1200x580x1150
Max. rpm w/o load   rpm	2500
Engine manufacturer	Honda
Engine type	GX 390
Fuel	Petrol
Net power   kW/3600 rpm	8,7*
Drive	Electric



**SPIRIT SERIES** (SINGLE-PHASE)

## CAPACITIVE REGULATION

TYPE	TR-2,2	TR-2,5	TR-3,3	TR-5E	TR-6E	TR-7E	TR-13E
Electric power   kVA	2,2	2,5	3,3	5,0	6,0	7,0	13,0
Current   A	10,8	10,8	14,3	21,7	26,0	30,5	56,0
Voltage   V	230	230	230	230	230	230	230
Frequency   Hz	50	50	50	50	50	50	50
Connection	2 x 230 V	2 x 230 V	2 x 230 V	2 x 230 V	2 x 230 V	2 x 230 V	2 x 230 V
Electric start	No	No	No	No	No	No	Yes
Engine type	GX 160	GX 160	GX 200	GX 270	GX 390	GX 390	GX 630
Net power   kW/3600 rpm	3,6*	3,6*	4,1*	6,3*	8,7*	8,7*	15,5*
Weight   kg	35	38	40	58	72	75	113
Dimensions (LxWxH)   mm	500x380x380	600x450x400	600x450x400	740x550x520	740x550x520	740x550x520	1060x660x600

**SPIRIT• SERIES** (THREE-PHASE)

## COMPOUND REGULATION

TYPE	TRT-5,5	TRT-6,5	TRT-10	TRT-14	TRT-15
Electric power 3p/1p   kVA	5,5 / 4,0	6,5 / 4,0	10,0 / 4,0	14,0 / 4,0	15,0 / 5,0
Current 3p/1p   A	7,8 / 18,0	9,4 / 18,0	14,2 / 17,0	20,0 / 20,0	21,4 / 21,4
Voltage 3p/1p   V	400 / 230	400 / 230	400 / 230	400 / 230	400 / 230
Frequency   Hz	50	50	50	50	50
Connection	1 x 400 V + 2 x 230 V	1 x 400 V + 2 x 230 V	1 x 400 V + 2 x 230 V	1 x 400 V + 2 x 230 V	1 x 400 V + 2 x 230 V
Electric start	No	No	No	Yes	Yes
Engine type	GX 270	GX 390	GX 390	GX 630	GX 690
Net power   kW/3600 rpm	6,3*	8,7*	8,7*	15,5*	16,5*
Weight   kg	73	76	76	114	122
Dimensions (LxWxH)   mm	740x550x520	740x550x520	740x550x520	1060x660x600	1060x660x600

**OMNI SERIES** (SINGLE-PHASE)

## AVR REGULATION

TYPE	TR-2,5 AVR	TR-3,3 AVR	TR-5E AVR	TR-7E AVR	TR-13E AVR
Electric power   kVA	2,5	3,3	5,0	7,0	13,0
Current   A	10,8	14,3	21,7	30,5	56,0
Voltage   V	230	230	230	230	230
Frequency   Hz	50	50	50	50	50
Connection	2 x 230 V	2 x 230 V	2 x 230 V	2 x 230 V	2 x 230 V
Electric start	No	No	No	No	Yes
Engine type	GX 160	GX 200	GX 270	GX 390	GX 630
Net power   kW/3600 rpm	3,6*	4,1*	6,3*	8,7*	15,5*
Weight   kg	38	40	58	75	113
Dimensions (LxWxH)   mm	600x450x400	600x450x400	740x550x520	740x550x520	1060x660x600

**OMNI• SERIES** (THREE-PHASE)

## AVR REGULATION

TYPE	TRT-6,5 AVR	TRT-14 AVR
Electric power 3p/1p   kVA	6,5 / 4,0	14,0 / 4,0
Current 3p/1p   A	9,4 / 18,0	20,0 / 20,0
Voltage 3p/1p   V	400 / 230	400 / 230
Frequency   Hz	50	50
Connection	1 x 400 V + 2 x 230 V	1 x 400 V + 2 x 230 V
Electric start	No	Yes
Engine type	GX 390	GX 630
Net power   kW/3600 rpm	8,7*	15,5*
Weight   kg	76	114
Dimensions (LxWxH)   mm	740x550x520	1060x660x600

## ARCUS SERIES (SINGLE-PHASE)

## CAPACITIVE REGULATION

TYPE	TRH-170	TRH-200
Electric power   kVA	5,0	7,0
Current   A	21,0	30,0
Voltage   V	230	230
Frequency   Hz	50	50
Max. welding current   A	170 AC	200 AC
Electrode type	Rutile	Rutile
Electrode diameter   mm	3	4
Connection	2 x 230 V	2 x 230 V
Electric start	No	No
Engine type	GX 270	GX 390
Net power   kW/3600 rpm	6,3*	8,7*
Weight   kg	73	82
Dimensions (LxWxH)   mm	720x550x520	860x550x530

## ARCUS+ SERIES (THREE-PHASE)

## COMPOUND REGULATION

TYPE	TRH-171	TRH-221	TRH-300
Electric power 3p/1p   kVA	5,5 / 3,5	6,5 / 3,5	8,0 / 3,0
Current 3p/1p   A	7,8 / 15,0	9,2 / 15,0	11,4 / 13,0
Voltage 3p/1p   V	400 / 230	400 / 230	400 / 230
Frequency   Hz	50	50	50
Max. welding current   A	170 DC	200 DC	300 DC
Electrode type	Any	Any	Any
Electrode diameter   mm	3	4	6
Connection	1 x 400 V + 1 x 230 V	1 x 400 V + 1 x 230 V	1 x 400 V + 1 x 230 V
Electric start	No	No	Yes
Engine type	GX 270	GX 390	GX 630
Net power   kW/3600 rpm	6,3*	8,7*	15,5*
Weight   kg	82	86	126
Dimensions (LxWxH)   mm	860x550x530	860x550x530	1060x660x600





**NTC STAVEBNÍ TECHNIKA**  
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Czechia

We hold a quality management certificate  
according to ISO 9001:2015.

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