

# Rexroth PSG 6130

## The new medium-frequency transformer

A systematic approach to medium-frequency resistance welding



# Rexroth PSG 6130 and Rexroth PSI 6000 – the perfect combination

With the new, certified MF transformer PSG 6130, Rexroth has extended its successful MF welding inverter system PSI 6000. These precisely matched system components provide for optimum power transmission and additional monitoring functionality between the inverter and the transformer. The result: higher efficiency and improved accuracy in the various welding applications.

The very first transformer of this new generation, the PSG 6130, offers impressive and outstanding performance. Its compact design and low weight make the PSG 6130 ideally suited for highly-productive uses in automatic, manual, and robotic welding guns up to 130 kVA. Compared to conventional MF transformers in its class, it is characterized by greater power density and significantly improved welding power.

Its voltage and current values can be measured at plug-in connections, and the transformer is equipped with temperature monitoring ports. The primary connection may be implemented with or without a terminal box. A removable plastic hood safely protects the integrated rectifier package from welding splashes and other contamination.

#### Convincing benefits

- high power range - up to 130 kVA
- optimized for automatic, manual, and robotic welding guns
- high power density
- 30% weight reduction
- 30% increased efficiency
- integrated monitoring functions
- reduced cooling water demand
- plug-in primary connections
- SLV-certified  
(2004 661 0760 01)



Rexroth's new PSG 6130 MF transformer, optimized for use with the Rexroth PSI 6000 inverter system, delivers higher performance and efficiency in resistance welding

# Technical data

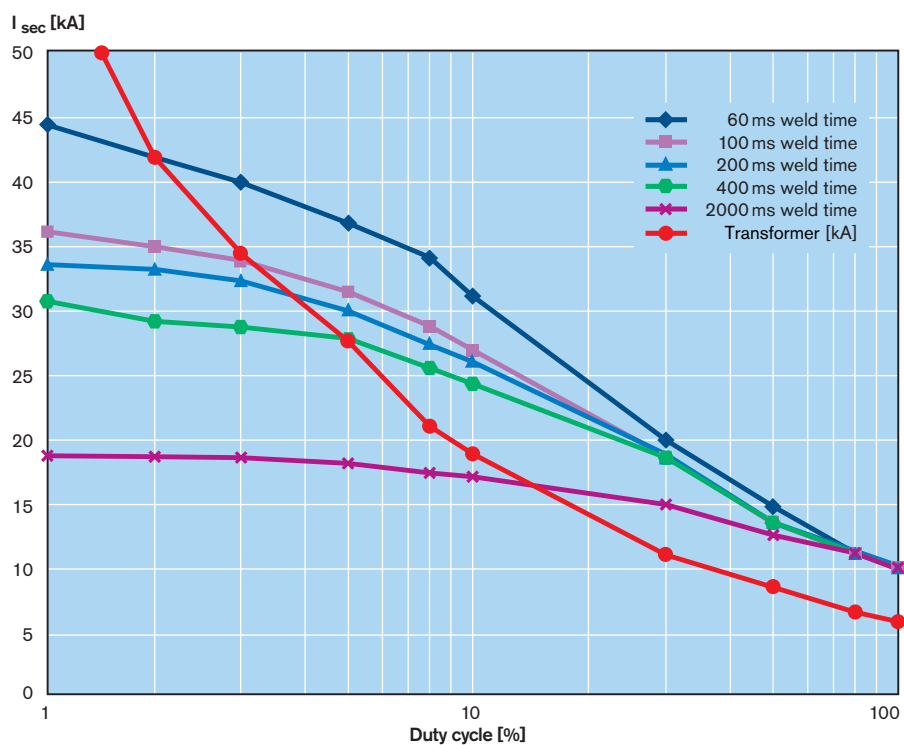
## Transformer Rexroth PSG 6130

Output	P (kVA at 20% duty cycle)	130
Nominal DC voltage	$U_{sec}$ [V]	9
Continuous on-state current	$I_{sec}$ [kA]	6.5
Cooling water flow	$\dot{m}$ [l/min]	8
Dimensions	W x H x D [mm]	160 x 127 x 202
Mass	m [kg]	16

## Combined inverter- transformer

Inverter	Transformer	Nominal DC voltage	Secondary current	
		$U_{sec}$ [V]	$I_{const.}$ [kA]	$I_{max}$ [kA]
PSI 6100	PSG 3050	6.3	4.2	20
	PSG 3075	8.4	4.2	20
	PSG 6130	9.0	6.5	20
PSI 6300	2 x PSG 3050	6.3	7.7	36
	2 x PSG 3075	8.4	6.5	36
	PSG 6130	9.0	6.5	36
PSI 6200	2 x PSG 6130	9.0	13.0	60
	PSG 3200	13.0	6.5	40
PSI 6500	6 x PSG 6130	9.0	36.5	120
	3 x PSG 3200	13.0	25.0	91

## Load diagram Rexroth PSG 6130



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