



G-Team a.s.  
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334 41 Dobřany

IČO 45358028  
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Výpis z obch. rejstříku potvrzen KS v Plzni odd. B vložka 1319

## Basic categories of Single-stage Turbines (TR) in manufacturing G-Team company, a.s.

### TR with overhung turbine wheel TR320, TR560

- simple design, low costs of installation and quick economic return
- most types with possible optimization efficiency thanks to partial spray
- min build-up area
- high gross thermal efficiency
- min 25 years of service life
- easy operation and min maintenance
- suitable for driving generators, feed pumps and fans
- easy installation
- type symbol:



### TR with turbine wheel between bearings - TR 600

- very long service life
- possible mechanical and electronic control
- possible more lines of running blades
- suitable for driving generators, feed pumps, fans and also sugar-cane mills
- type symbol:



### TR with frequency converter - TR Hi 150

- gearbox is replaced with high-frequency generator and frequency converter
- min build-up area
- only for driving the high-frequency generator, which is part of turbine
- type symbol:
- Micro turbine



### Gas expansion turbines

- straight integrated with gas distribution
- only for generator drive
- type symbol:



adresa: **G-Team** a.s. – odštěpný závod **Turbomachinery**

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Type of (Single-stage) Turbine	TR Hi 150	TR 320	TR 560	TRm 600
<i>For mechanical drive</i>				
<i>For generator drive</i>				
<i>Integrated gear-box included</i>				
<b>Max. operating data</b>				
Output power            kW	100	700	3 000	1 200
Turbine speed            1/min	32 000	19 000	13 000	5 000
Admission pressure (steam)    MPa(a)	4,0	9,0	4,0	6,0
Input steam temperature        °C	420	550	550	450
Output steam pressure    MPa(a)	1,4	2,5	1,4	0,9

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