

20kWeI, CHP unit, natural gas&LPG

CHP UNIT INDOP20TO

Offered price: **29.500,00 EUR + Additional discount if more pieces are ordered.**

Quantity: Available **10 pcs.**

Condition: new, never used.

Year of construction: 2025

Functionality: fully functional

Electrical power: 20kW

Thermal power: 41,3kW

CHP Manufacturer: INDOP, INDOP20TO

Description: Unused, brand new CHP unit with TOYOTA 4Y engine, all in one unit, "plug and play concept" for easier and cost effective installation, user friendly interface, safety module for additional hardware safety, single bearing generator to minimize possible engine damages.

The 20kWe CHP unit is best suited for sites that have a continuous demand for both electricity and heat. The key to CHP economics is using the heat produced alongside the electricity.

Location of products: Indop, d.o.o., Primorska 6a, 3325 Šoštanj, Slovenia

Contact person: Tjaša Nadvežnik. Tjasa.nadveznik@gorenje.com , 00386 51 399 417

Technical details

INDOP20TO	100%	75%	50%
Gas consumption [Nm³/h]	6,41	5,00	3,40
Electrical power [kW _{el}]	20	15	10
Power factor [λ]	0,97		
Thermal power [kW]	41,3	33,5	22,7
Operating current [A]	30	22	14,7
Max. Apparent power S _{Amax} [kVA]	21		
Sound power level [dB]	58		
Sound pressure level @1m [dB(A)]	50		
LHV			
Energy Input [kW]	64,1	50,0	34,0
Electrical efficiency [%]	31,2	30,0	29,4
Thermal efficiency [%]	64,4	66,9	66,9
Total efficiency [%]	95,6	96,9	96,3
Seasonal space heating energy efficiency [%]	189		

Fuel	Natural gas, LPG, hydrogen ready (20%)		Emissions	
CHP Dimensions (no handles)	Length [mm]	1491	CO @ 15% O ₂ [mg/Nm³]	70
	Width [mm]	800	NOx @ 15% O ₂ [mg/Nm³]	24
	Height [mm]	1266		
	Weight [kg]	800		
Service interval [op.h]	8.000*			
Voltage, 3 phase [V]	400			
Frequency [Hz]	50			

*Relubrication interval for alternator bearing is 4.000 op.h

Consumption of natural gas with Hu_u 36 MJ/Nm³ in standard conditions: 15°C; 101.325 kPa. Basic technical data apply for standard conditions in accordance with specification. The defined technical data are based on standard conditions according to EN 50465:2015. Any deviations from the standard conditions can cause changes in the value of thermal data and should be taken into account when designing the thermal cycle equipment. Thermal power with exhaust gases up to 120 C.

