

D05 Horizontal Steam Generator Technical Details

Steam Generator	D05-350	D05-500	D05-750	D05-1000	D05-1500	D05-2000
Steam Quantity	350 kg/h	500 kg/h	750 kg/h	1000 kg/h	1500 kg/h	2000 kg/h
Max. Working Pressure	16 Bar	16 Bar	16 Bar	16 Bar	16 Bar	16 Bar
Heat Capacity	245 kW	350 kW	524 kW	700 kW	1048 kW	1397 kW
Water Volume	61 lt	61 lt	156 lt	175 lt	265 lt	418 lt
Heating Area	10,6 m ²	10,6 m ²	19,8 m ²	20 m ²	29,6 m ²	34,85 m ²
Fuel Consumption (Natural Gas)	25,4 m ³ /h	36,2 m ³ /h	54,4 m ³ /h	72,5 m ³ /h	108,7 m ³ /h	144,9 m ³ /h
Fuel Consumption (LPG)	19 kg/h	27,2 kg/h	40,8 kg/h	54,4 kg/h	81,5 kg/h	108,7 kg/h
Fuel Consumption (Light Oil)	20,5 kg/h	29,3 kg/h	44,0 kg/h	58,6 kg/h	87,9 kg/h	117,2 kg/h
Electrical Connection	400 V 50Hz	400 V 50Hz	400 V 50Hz	400 V 50Hz	400 V 50Hz	400 V 50Hz
Total Electrical Power	1,52 kW	1,52 kW	2,62 kW	3,27 kW	4,37 kW	5,17 kW
Sound Power	70 dBA	70 dBA	72 dBA	75 dBA	77 dBA	78,5 dBA
Fuel Connection Diameter (Natural Gas)	1"	1"	1"	1 ¼"	1 ½"	2"
Fuel Connection Diameter (LPG)	1"	1"	1 ¼"	1 ¼"	1 ½"	2"
Fuel Connection Diameter (Light Oil)	½"	½"	½"	¾"	1"	1"
Steam Output Diameter	DN 40	DN 40	DN 50	DN 50	DN 65	DN 80
Feeding Water Connection	2xG1/2"	2xG1/2"	2xG3/4"	2xG3/4"	2xG1"	2xG1"
Safety Valve Connection	DN 40	DN 40	DN 40	DN 40	DN 40	DN 40
Condansate Return Diameter	½"	½"	½"	½"	½"	½"

**Fuel Consumption Values are measured at 8 bar steam pressure and 90°C feeding water temperature. They may be different due to the working conditions and working environment factors. (condansate temperature, chimney height, chimney diameter etc.)

D05 Horizontal Steam Generator Technical Details

Steam Generator	D05-2500	D05-3000	D05-3500	D05-4000	D05-5000	D05-6000
Steam Quantity	2500 kg/h	3000 kg/h	3500 kg/h	4000 kg/h	5000 kg/h	6000 kg/h
Max. Working Pressure	16 Bar	16 Bar	16 Bar	16 Bar	16 Bar	16 Bar
Heat Capacity	1746 kW	2095 kW	2445 kW	2794 kW	3492 kW	4190 kW
Water Volume	548 lt	806 lt	885 lt	1210 lt	1350 lt	1600 lt
Heating Area	48 m ²	66 m ²	72,4 m ²	100 m ²	100 m ²	130 m ²
Fuel Consumption (Natural Gas)	181,2 m ³ /h	217,4 m ³ /h	253,6 m ³ /h	289,9 m ³ /h	362,3 m ³ /h	434,8 m ³ /h
Fuel Consumption (LPG)	135,9 kg/h	163,1 kg/h	190,2 kg/h	217,4 kg/h	271,8 kg/h	326,1 kg/h
Fuel Consumption (Light Oil)	146,5 kg/h	175,8 kg/h	205,2 kg/h	234,5 kg/h	293,1 kg/h	351,7 kg/h
Electrical Connection	400 V 50Hz	400 V 50Hz	400 V 50Hz	400 V 50Hz	400 V 50Hz	400 V 50Hz
Total Electrical Power	8,87 kW	9,87	13,37 kW	14,37 kW	14,37 kW	14,37 kW
Sound Power	81 dBA	83 dBA	86 dBA	89 dBA	90 dBA	90 dBA
Fuel Connection Diameter (Natural Gas)	2"	2"	2"	2"	2"	2"
Fuel Connection Diameter (LPG)	2"	2"	2"	2"	2"	2"
Fuel Connection Diameter (Light Oil)	1"	1"	1"	1"	1"	1"
Steam Output Diameter	DN 80	DN 80	DN 100	DN 100	DN 125	DN 125
Feeding Water Connection	4XG3/4"	4XG1"	4XG1"	4XG1"	4XG1"	4XG1"
Safety Valve Connection	DN 40	DN 40	DN 40	DN 40	DN 40	DN 40
Condansate Return Diameter	2xG3/4"	2xG3/4"	2xG3/4"	2xG3/4"	2xG3/4"	2xG3/4"

**Fuel Consumption Values are measured at 8 bar steam pressure and 90°C feeding water temperature. They may be different due to the working conditions and working environment factors. (condansate temperature, chimney height, chimney diameter etc.)