

Product Range

Natural Gas 400 - 4500 kW



Natural gas 400 - 999 kW

Type		ETW 400 EG	ETW 600 EG	ETW 800 EG	ETW 1000 EG
Power mechanical	kW	414	620	825	1026
Power electrical	kW	400	600	800	999
Power thermal	kW	426	652	862	1102
from cooling water	kW	227	357	440	592
from exhaust	kW	199	295	422	510
low temperature < 50°C	kW	33	38	49	53
Fuel consumption	kW	954	1427	1889	2382
Natural gas with calorific value 10 kWh/Nm ³	m ³ /h	95,4	142,7	188,9	238,2
Engine manufacture		MWM	MWM	MWM	MWM
Engine type		TCG3016V8	TCG3016V12	TCG3016V16	TCG2020V12
Position / number of cylinders		V8	V12	V16	V12
Displacement	cm ³	17.500	26.300	35.000	53.000
Medium piston speed	m/s	8,0	8,0	8,0	9,8
Lube oil consumption	kg/h	0,04	0,06	0,08	0,20
Generator type		MJB 355 MB4	MJB 400 LC4	MJB 450 MB4	MJB 500 LB4
Generator efficiency	%	96,6	96,8	97,0	97,4
Cogeneration data					
Exhaust temperature before heat exchanger	°C	402	404	426	413
Exhaust temperature after heat exchanger	°C	120	120	120	120
Heating water temperature flow / return	°C	90 / 70	90 / 70	90 / 70	90 / 70
Efficiency electric	%	41,9	42,0	42,4	41,9
thermal	%	44,7	45,7	45,6	46,3
total	%	86,6	87,7	88,0	88,2
Sound					
Sound level engine	dB(A)	97	119,5	119,5	121
Sound level exhaust without silencer	dB(A)	120	133,7	131,9	132
Exhaust consistence					
NOx	mg/Nm ³	250	250	250	250
CO	mg/Nm ³	300	300	300	300
Dimensions for standard container construction					
Length	m	10,5	12,2	12,2	13,0
Width	m	3,0	3,0	3,0	3,2
Height	m	2,6	2,6	2,6	3,0
Price for standard scope of supply	€	on request	on request	on request	on request

Subject to modifications and amendments

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Natural gas 1013 - 1500 kW

Type		ETW 1010 EG	ETW 1130 EG	ETW 1200 EG	ETW 1500 EG
Power mechanical	kW	1040	1155	1232	1540
Power electrical	kW	1013	1125	1200	1500
Power thermal	kW	1126	1265	1244	1687
from cooling water	kW	630	558	631	744
from exhaust	kW	496	707	613	943
low temperature < 50°C	kW	51	124	110	151
Fuel consumption	kW	2396	2759	2818	3676
Natural gas with calorific value 10 kWh/Nm ³	m ³ /h	239,6	275,9	281,8	367,6
Engine manufacture		MTU	MWM	MWM	MWM
Engine type		8V4000L64FNER	TCG2020V12K	TCG2020V12	TCG2020V16K
Position / number of cylinders		V8	V12	V12	V16
Displacement	cm ³	38.150	53.100	53.000	70.800
Medium piston speed	m/s	10,5	9,8	9,8	9,8
Schmierölverbrauch	kg/h	0,16	0,23	0,24	0,30
Generator type		a.A.	MJB 500 MA4	MJB 500 MB4	MJB 500 LA4
Generator efficiency	%	97,4	97,4	97,4	97,4
Cogeneration data					
Exhaust temperature before heat exchanger	°C	410	483	415	483
Exhaust temperature after heat exchanger	°C	120	120	120	120
Heating water temperature flow / return	°C	90 / 70	90 / 70	90 / 70	90 / 70
Efficiency electric	%	42,3	40,8	42,6	40,8
thermal	%	47,0	45,8	44,1	45,9
total	%	89,3	86,6	86,7	86,7
Sound					
Sound level engine	dB(A)	117,2	103	121	108
Sound level exhaust without silencer	dB(A)	118,2	119	132,1	120
Exhaust consistence					
NOx	mg/Nm ³	250	500	250	500
CO	mg/Nm ³	300	300	300	300
Dimensions for standard container construction					
Length	m	12,2	13,0	13,0	14,0
Width	m	3,2	3,2	3,2	3,2
Height	m	3,0	3,0	3,0	3,0
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Natural gas 1521 - 2028 kW

Type		ETW 1520 EG	ETW 1560 EG	ETW 2000 EG	ETW 2020 EG
Power mechanical	kW	1560	1605	2054	2080
Power electrical	kW	1521	1560	2000	2028
Power thermal	kW	1468	1650	2073	2288
from cooling water	kW	756,02	827	1049	1260
from exhaust	kW	712	823	1024	1028
low temperature < 50°C	kW	104	138	178	103
Fuel consumption	kW	3438	3696	4690	4826
Natural gas with calorific value 10 kWh/Nm ³	m ³ /h	343,8	369,6	469,0	482,6
Engine manufacture		MTU	MWM	MWM	MTU
Engine type		12V4000L64FNEF	TCG2020V16	TCG2020V20	6V4000L64FNEF
Position / number of cylinders		V12	V16	V20	V16
Displacement	cm ³	57.225	71.000	89.000	76.300
Medium piston speed	m/s	10,5	9,8	9,8	10,5
Schmierölverbrauch	kg/h	0,24	0,31	0,40	0,32
Generator type		LSA 51,2 VL90	MJB 500 LA4	MJB 560 LB4	a.A.
Generator efficiency	%	97,5	97,2	97,4	97,5
Cogeneration data					
Exhaust temperature before heat exchanger	°C	410	421	415	422
Exhaust temperature after heat exchanger	°C	120	120	120	120
Heating water temperature flow / return	°C	90 / 70	90 / 70	90 / 70	90 / 70
Efficiency electric	%	44,2	42,2	42,6	42,0
thermal	%	42,7	44,6	44,2	47,4
total	%	86,9	86,9	86,8	89,4
Sound					
Sound level engine	dB(A)	124,1	122	124	124,1
Sound level exhaust without silencer	dB(A)	111,8	134	136	111,8
Exhaust consistence					
NOx	mg/Nm ³	500	250	250	250
CO	mg/Nm ³	300	300	300	300
Dimensions for standard container construction					
Length	m	13,0	14,0	15,0	14,0
Width	m	3,2	3,2	3,2	3,2
Height	m	3,0	3,0	3,3	3,3
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Natural gas 2300 - 2535 kW

Type		ETW 2300 EG	ETW 2540 EG	ETW 3330 EG	ETW 4500 EG
Power mechanical	kW	2364	2600	3411	4602
Power electrical	kW	2300	2535	3333	4500
Power thermal	kW	2296	2818	3206	4318
from cooling water	kW	1273	1512	1475	2335
from exhaust	kW	1023	1306	1731	1983
low temperature < 50°C	kW	197	169	295	359
Fuel consumption	kW	5258	5986	7558	10157
Natural gas with calorific value 10 kWh/Nm ³	m ³ /h	525,8	598,6	755,8	1015,7
Engine manufacture		MWM	MTU	MWM	MWM
Engine type		TCG3020V20	20V4000L64	TCG2032V12	TCG2032V16
Position / number of cylinders		V20	V20	V12	V16
Displacement	cm ³	89.000	95.375	204.000	271.800
Medium piston speed	m/s	9,8	10,5	10,7	10,7
Schmierölverbrauch	kg/h	0,40	0,40	0,67	0,90
Generator type		MJB 630 LB4	a.A.	MJH 800 MB6	MJH 800 MC6
Generator efficiency	%	97,3	97,5	97,7	97,8
Cogeneration data					
Exhaust temperature before heat exchanger	°C	384	423	444	385
Exhaust temperature after heat exchanger	°C	120	120	120	120
Heating water temperature flow / return	°C	90 / 70	90 / 70	90 / 70	90 / 70
Efficiency electric	%	43,7	42,3	44,1	44,3
thermal	%	43,7	47,1	42,4	42,5
total	%	87,4	89,4	86,5	86,8
Sound					
Sound level engine	dB(A)	121,01	122,5	125	132
Sound level exhaust without silencer	dB(A)	135,56	117	137	137
Exhaust consistence					
NOx	mg/Nm ³	250	250	500	500
CO	mg/Nm ³	300	300	300	300
Dimensions for standard container construction					
Length	m				
Width	m				
Height	m				
Price for standard scope of supply	€	on request	on request	on request	on request

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