RANGE ECOMAX® NGS

		ECOMAX 2,5	ECOMAX 3	ECOMAX 6	ECOMAX 8	ECOMAX 9	ECOMAX 10	ECOMAX 11	ECOMAX 14	ECOMAX 9 HE	ECOMAX 11 HE	ECOMAX 14 HE 690V	ECOMAX 20 HE 690V	ECOMAX 27 HE 690V	ECOMAX 33 HE 6,3kV / 10,5kV	ECOMAX 40 HE 6,3kV / 10,5kV	ECOMAX 44 HE 6,3kV / 10,5kV
Electric output COS PHI = 1	kW	250	294	635	801	844	1.063	1.127	1.410	888	1.190	1.484	2.002	2.682	3.354	4.029	4.401
Mechanical output	kW	-	305	657	827	871	1.095	1.161	1.451	916	1.222	1.527	2.058	2.745	3.431	4.117	4.491
Energy input	kW	680	781	1.620	2.056	2.050	2.673	2.733	3.471	2.151	2.868	3.585	4.544	6.059	7.574	9.033	9.450
Fuel consumption	NMC/h	72	82	171	216	216	281	288	360	226	302	377	478	638	797	951	995
Fuel gas pressure at inlet to gas train	mbar	-	80 - 200	80 - 200	80 - 200	80 - 200	80 - 202	80 - 203	120 - 200	80 - 201	80 - 204	120 - 200	120 - 200	120 - 200	120 - 200	120 - 200	200
Recoverable Thermal power:																	
• Lube oil	kW	-	36	77	94	97	125	129	161	97	133	167	178	238	297	373	431
• Intercooler 1st stage	kW	26	42	129	124	176	210	235	294	176	268	335	492	656	781	1.170	1.197
• Jacket water	kW	150	127	199	230	256	326	342	427	256	350	437	318	424	530	596	558
TOTAL	**kW**	**176**	**205**	**405**	**448**	**529**	**661**	**706**	**882**	**529**	**751**	**939**	**988**	**1.318**	**1.608**	**2.139**	**2.186**
Exhaust gas cooled to 120°C	kW	141	195	351	522	385	576	514	642	385	532	664	924	1.232	1.540	1.620	1.672
TOTAL RECOVERY IN HOT WATER	**kW**	**317**	**400**	**756**	**970**	**914**	**1.237**	**1.220**	**1.524**	**914**	**1.283**	**1.603**	**1.912**	**2.550**	**3.148**	**3.759**	**3.858**
Electrical Efficiency	%	36,8%	37,6%	39,2%	39,0%	41,2%	39,8%	41,2%	41,3%	41,3%	41,5%	41,4%	44,1%	44,3%	44,3%	44,6%	46,6%
Thermal Efficiency	%	46,6%	51,2%	46,7%	47,2%	44,6%	46,3%	44,6%	44,6%	42,5%	44,7%	44,7%	42,1%	42,1%	41,6%	41,6%	40,8%
TOTAL EFFICIENCY	**%**	**83,3%**	**88,8%**	**85,9%**	**86,1%**	**85,8%**	**86,0%**	**85,9%**	**85,9%**	**83,8%**	**82,6%**	**86,1%**	**86,1%**	**86,4%**	**85,8%**	**86,2%**	**87,4%**
Intercooler 2nd stage	kW	21	-	56	64	73	91	96	120	73	100	126	116	155	234	283	248
Exhaust gas recovery as:																	
• Direct gas at 25°C	kW	182	246	457	657	527	750	703	879	527	731	913	1.267	1.689	2.112	2.297	2.340
• Steam production at 8 bar	kW	126	180	312	483	322	512	429	536	322	441	551	769	1.026	1.282	1.283	1.352
	kg/h	186	265	461	713	474	756	633	791	474	651	813	1.134	1.513	1.891	1.892	1.994
• Thermal oil production at 180/220°C	kW	89	131	220	354	211	361	282	352	211	288	360	504	672	840	791	856
Pollutant Emissions:																	
• Flow-rate	kg/h	1.392	1.736	3.612	4.581	4.839	5.960	6.452	8.064	4.839	6.783	8.479	11.699	15.599	19.498	23.187	22.813
• Temperature	°C	440	480	433	485	378	433	378	378	378	374	374	376	376	376	347	358
NOX	mg/NMC	500	250	250	250	250	250	250	250	250	250	250	250	250	250	250	500
CO	mg/NMC	500	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300