

EXHAUST GAS DATA SHEET

FUEL		LNG Vaporization Gas(LNG-A)																			
Atmosphere Temp. (°C)		-13				-1				15				30				40			
Relatively humidity (%)		75				75				75				75				75			
Atmosphere pressure(kPa)		101.325				101.325				101.325				101.325				101.325			
Turbine load (%L)		91.4	75	50	30	97	75	50	30	100	75	50	30	100	75	50	30	100	75	50	30
Gas mass	Mass flow(kg/h)	380100	377700	374100	371400	368900	365700	362400	359800	352300	349000	345800	343400	335500	332400	329400	327200	323900	320900	318100	315900
	Volume flow(m³N/h) (wet)	302668	299507	294929	291591	294227	290214	285868	282698	281877	277660	273614	270663	270222	266279	262491	259728	263162	259374	255729	253073
	Volume flow(m³N/h) (dry)	271054	272592	274809	276342	261619	263750	265853	267306	248453	25465	252421	253770	233730	235610	237440	238701	221886	223693	225454	226666
Outlet temp.(°C)		505	448	368	310	533	457	379	322	554	469	393	37	562	479	405	361	568	487	413	360
Nox (16%O ₂) (ppm)		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Nox.(m³/h)		40	40	40	40	0	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Exhaust fume (16%O ₂) (mg/m³N)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas ingredient	O ₂ (vol%)	12.57	13.76	15.51	16.77	12.27	13.80	15.52	16.74	12.06	13.73	15.40	16.59	11.80	13.42	15.04	16.20	11.36	12.95	14.55	15.69
	CO ₂ (vol%)	3.56	3.06	2.32	1.79	3.67	3.02	2.30	1.78	3.68	2.98	2.27	1.78	3.64	2.95	2.26	1.78	3.63	2.95	2.27	1.79
	H ₂ O(vol%)	10.44	8.99	6.82	5.23	11.01	9.12	7.00	5.44	11.86	9.79	7.75	6.24	13.50	11.52	9.54	8.10	15.69	13.76	11.84	10.43
	H ₂ (vol%)	72.56	73.32	74.46	75.31	72.19	73.19	74.30	75.13	71.54	72.63	73.70	74.51	70.23	71.26	72.29	73.06	68.51	69.51	70.50	71.24
	Ar(vol%)	0.86	0.87	0.88	0.90	0.86	0.87	0.88	0.89	0.85	0.86	0.88	0.89	0.83	0.85	0.86	0.87	0.81	0.83	0.84	0.85
	O ₂ (vol%)	14.04	15.12	16.65	17.70	13.78	15.18	16.68	17.71	13.69	15.22	16.69	17.70	13.64	15.16	16.63	17.62	13.47	15.02	16.50	17.51