



## 1500 RPM

C.T.M. Model		MN.400V	MN.525V	M.600RV	M.1175RV	M.1560RV
Engine		MAN	MAN	Mitsubishi	Mitsubishi	Mitsubishi
Engine Type		D2841 LE211	D2842 LE211	S6R2-PTA	S12R-PTA	S16R-PTA
Speed	rpm	1500	1500	1500	1500	1500
Mean effective pressure	M P a	1,72	1,79	1,93	2,06	2,06
Exhaust temperature	°C	460	460	460	460	460
Exhaust gas mass flow	kg/h	6300	6600	3168	6144	8170
Displacement	Lt	18,27	21,93	29,96	49,03	65,37
Configuration		10V	12V	6L	12V	16V
<b>Energy balance</b>						
Electrical power at alternator terminals	kWe	320	410	485	940	1250
Electrical Power (ISO 8528 and ISO 3046)	kVA	400	512	600	1175	1560
Jacket water heat	kW +/- 8%	160	250	245	526	705
Exhaust cooled to 160°C	kW +/- 8%	180	242	260	520	690
Engine radiation heat	kW	40	56	57	109	135
Energy Input	kW +/- 8%	800	999	1213	2460	3271
Fuel consumption	g/kWh +/- 5%	225	225	255	255	255
Electrical efficiency	%	40,00%	39,25%	39,50%	38,20%	38,30%
Thermal efficiency	%	42,50%	45,90%	41,60%	42,53%	42,60%
Total efficiency	%	82,50%	85,15%	81,10%	80,70%	80,90%

## 1000 RPM

C.T.M. Model		M.1250UV	M.1300UV	M.1400UV	M.1750UV	M.2600UV	M.3500UV
Engine		Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Engine Type		S6U-PTA	S6U-PTA	S6U2-PTA	S8U-PTA	S12U-PTA	S16U-PTA
Speed	rpm	1000	1000	1000	1000	1000	1000
Mean effective pressure	M P a	2,06	2,06	1,93	2,06	2,06	2,06
Exhaust temperature	°C	460	460	460	460	460	460
Exhaust gas mass flow	kg/h	6300	6600	6900	7950	11900	15600
Displacement	Lt	70,6	70,6	81,4	94,1	141,14	188,19
Configuration		6L	6L	6L	8L	12V	16V
<b>Energy balance</b>							
Electrical power at alternator terminals	kWe	995	1047	1135	1395	2090	2780
Electrical Power (ISO 8528 and ISO 3046)	kVA	1243	1308	1418	1743	2612	3437
Jacket water heat	kW +/- 8%	200	207	222	275	415	553
Exhaust cooled to 160°C	kW +/- 8%	550	590	640	748	1120	1470
Oil and charge air cooler heat	kW +/- 8%	245	252	259	337	515	680
Engine radiation heat	kW	80	86	92	115	135	200
Energy Input	kW +/- 8%	2650	2683	2711	3616	5423	7232
Fuel consumption	g/kWh +/- 5%	255	255	255	255	255	255
Electrical efficiency	%	37,50%	39,10%	41,80%	38,60%	38,50%	38,45%
Thermal efficiency	%	37,50%	39,10%	41,00%	37,50%	37,80%	37,40%
Total efficiency	%	75,00%	78,10%	82,80%	76,20%	76,30%	75,85%