



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
Energy balance						
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
Energy balance							
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%