Electrical Generation Specifications

KAWASAKI HEAVY INDUSTRIES, LTD., AKASHI, JAPAN

MODEL	POWER RATING ISO Base Load (MW)	HEAT RATE (LHV)(Btu/kWh)	POWER SHAFT SPEED (RPM)	PRESSURE RATIO	NUMBER OF COMBUSTORS	AT ISO BASE LOAD Turbine Inlet Temp. (°C)	Exhaust Flow (kg/sec)	Exhaust Temp (°C)
M1A-13A	1.49	14,104	1,500/1,800	9.4	1	—	8.1	521
M1A-13D	1.49	14,246	1,500/1,800	9.6	1	—	8.0	531
M1T-13A	2.93	14,312	1,500/1,800	9.4	1×2	—	16.2	521
M1A-17D	1.81	12,160	1,500/1,800	10.5	1	—	8.1	522
M1T-13D	2.93	14,445	1,500/1,800	9.6	1×2	—	16.0	531
M5A-01D	4.96	10,340	1,500/1,800	15.7	6	—	17.6	523
M7A-01	5.53	11,510	1,500/1,800	13.1	6	—	21.7	545
M7A-01D	5.47	11,550	1,500/1,800	13.1	6	—	21.7	542
M7A-02	6.80	11,250	1,500/1,800	16.0	6	—	27.0	516
M7A-02D	6.74	11,270	1,500/1,800	16.0	6	—	27.0	513
M7A-03D	7.80	10,190	1,500/1,800	15.8	6	—	27.2	523
L20A	18.52	9,948	1,500/1,800	18.6	8	—	59.8	541
L30A	34.38	8,407	1,500/1,800	26.1	8	—	89.6	517

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MODEL	POWER RATING ISO Base Load (MWe)	GROSS HEAT RATE (LHV)(Btu/kWh)	POWER SHAFT SPEED (RPM)	PRESSURE RATIO	NUMBER OF COMBUSTORS	AT ISO BASE LOAD Inlet Temp. (°C)	Exhaust Flow (kg/sec)	Exhaust Temp (°C)	Efficiency (%)
M501DA	114.0	9,780	3,600	14	14	—	354	543	34.9
M501F	185.4	9,230	3,600	16	16	—	468	613	37
M501G	267.5	8,730	3,600	20	16	—	612	601	39.1
M501GAC	283.0	8,531	3,600	20	16	—	618	617	40.0
M501J	330.0	8,105	3,600	23	16	—	620	635	42.1
M501JAC	453	7,755	3,600	25	16	—	815	649	44
M701DA	144.1	9,810	3,000	14	18	—	453	542	34.8
M701G	334.0	8,630	3,000	21	20	—	755	587	39.5
M701F	385.0	8,144	3,000	21	20	—	748	630	41.9
M701J	478.0	8,067	3,000	23	22	—	896	630	42.3
M701JAC	574	7,862	3,000	25	22	—	1024	646	43.4
M701JAC	448.0	7,755	3,000	25	18	—	765	663	44
H-25	41.0	9,432	7,280	17.9	10	—	114	569*	36.2
H-100	116.5	8,909	3,000	18	10	—	296	586*+	38.3
H-100	105.8	8,930	3,600	18.4	10	—	293	534*++	38.2

Notes: All other specifications are for natural gas fuel with inlet and exhaust losses
* without inlet and exhaust losses. +50Hz, ++60Hz