

Mitsubishi Engine Power Adjustment for Ambient Conditions

Sales literatures show the power output of the engines at the standard atmospheric conditions.

When the engine is operated under conditions different from the standard atmospheric conditions, the output must be adjusted according to the charts shown below.

Standard atmospheric condition:

Temperature 298K (25°C)
Pressure 100kPa (750mmHg)
Altitude (approx.) 0m
Humidity 30%

MODELS: All models except for S12R/S16R-PTA2 & S12R-PTAA2

Derate %		TEMPERATURE (°C)							
		25	30	35	40	45	50	55	60
ALTITUDE (masl)	0	0	0	0	0	1	2	3	4
	500	0	0	0	0	2	3	4	7
	1000	0	0	0	0	3	6	9	12
	1500	0	0	2	5	8	11	14	17
	2000	1	4	7	10	13	16	19	22
	2500	6	9	12	15	18	21	24	27
	3000	11	14	17	20	23	26	29	32
	3500	16	19	22	25	28	31	34	37
	4000	21	24	27	30	33	36	39	42

MODELS: S12R/S16R-PTA2 & S12R-PTAA2

Derate %		TEMPERATURE (°C)					
		25	30	35	40	45	50
ALTITUDE (masl)	0	0	0	0	0	1	2
	500	0	0	0	0	2	6,5
	1000	0	0	0	0	5,8	11,5
	1500	0	0	2	5	10,8	16,5
	2000	1	4	7	10	15,8	21,5
	2500	6	9	12	15	20,8	26,5
	3000	11	14	17	20	25,8	31,5
	3500	16	19	22	25	30,8	36,5
	4000	21	24	27	30	35,8	41,5