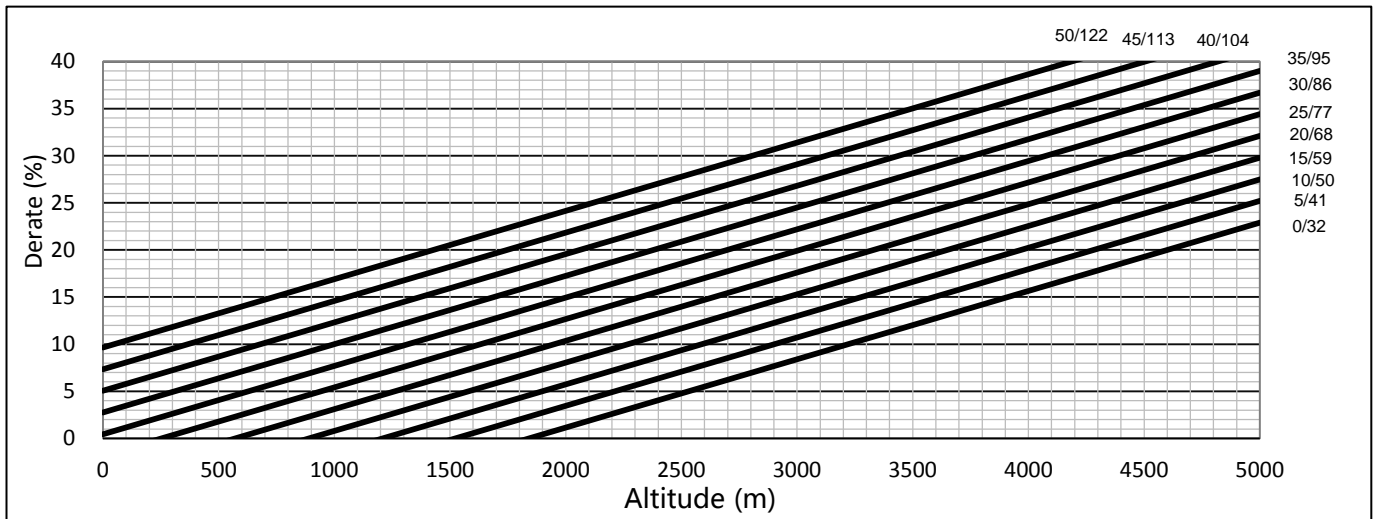


ESP/PRP Power Derate Curves ¹

Ambient Temperature (°C / °F)


Gross Power Output (%) ²

Temp(°C)	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50
0	85.2	87.5	89.7	91.9	94.0	97.3	100.6	100.3	100.0	99.7	99.4	99.1	98.8	98.5	98.2	97.7	97.2
500	87.5	89.8	92.0	94.8	97.5	99.0	100.6	100.3	100.0	99.7	99.4	99.1	98.8	98.4	98.0	95.5	93.1
1000	89.9	92.1	94.3	97.7	101.1	100.8	100.5	100.3	100.0	99.7	99.4	99.1	98.9	98.3	97.7	93.3	89.0
1500	93.1	95.4	97.7	99.3	100.9	100.6	100.3	100.0	99.7	99.4	99.0	98.5	98.0	94.6	91.3	87.4	83.5
2000	96.3	98.7	101.2	101.0	100.6	100.4	100.1	99.8	99.5	99.0	98.6	97.8	97.1	91.0	84.8	81.4	78.1
2500	98.7	99.8	100.9	100.5	100.2	90.7	99.3	98.9	98.4	95.7	93.2	91.1	89.0	84.3	79.6	76.5	73.3
3000	101.1	100.8	100.5	100.1	99.7	99.1	98.6	97.9	97.2	92.5	87.7	84.3	81.0	77.7	74.5	71.5	68.6
3500	96.0	95.5	94.9	94.3	93.8	93.1	92.4	91.7	91.0	86.9	82.9	79.7	76.6	73.5	70.5	67.7	64.9
4000	90.9	90.1	89.4	88.6	87.8	87.1	86.3	85.5	84.7	81.3	78.0	75.1	72.2	69.3	66.4	63.8	61.2
4500	86.0	85.3	84.6	83.8	83.0	82.4	81.7	80.8	79.8	76.7	73.6	70.8	68.1	65.4	62.6	60.1	57.6
5000	81.1	80.5	79.8	79.0	78.3	77.6	77.1	76.0	75.0	72.1	69.2	66.6	63.9	61.4	58.8	56.5	54.1
5500	76.5	75.9	75.2	74.5	73.8	73.2	72.5	71.4	70.5	67.7	65.0	62.5	60.0	57.6	55.1	52.8	50.5

¹ The power derate of PRP and ESP is simulated based on the engine cooling circuits performance ;

² To calculate the available engine's power output at the specified ambient conditions, please consult the table values and contact Baudouin Application Engineering.