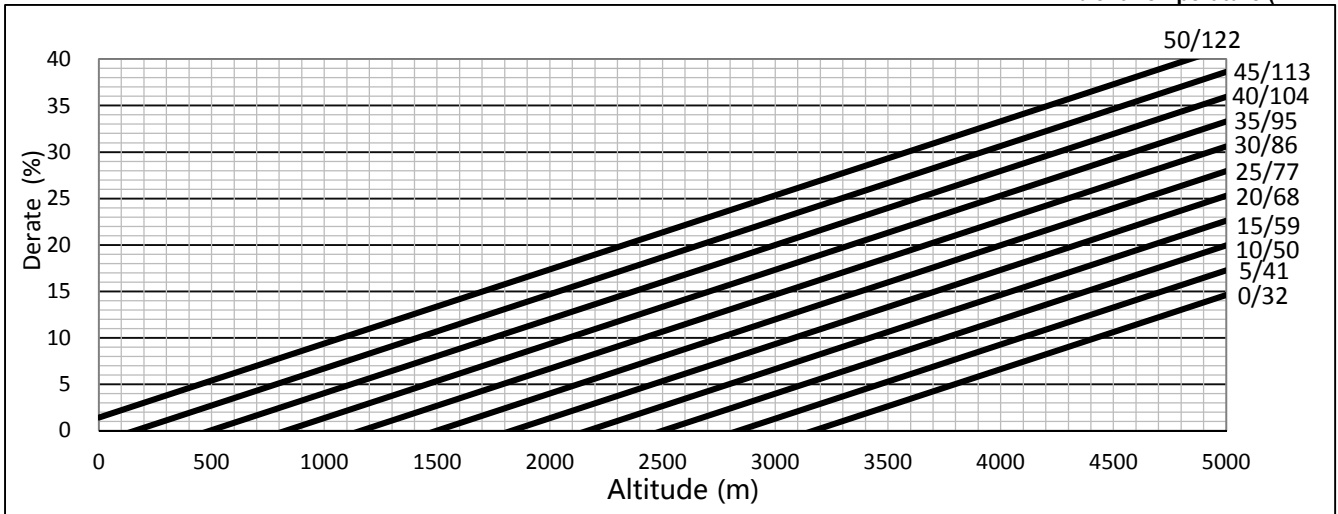


ESP/PRP Power Derate Curves ¹@1500 rpm

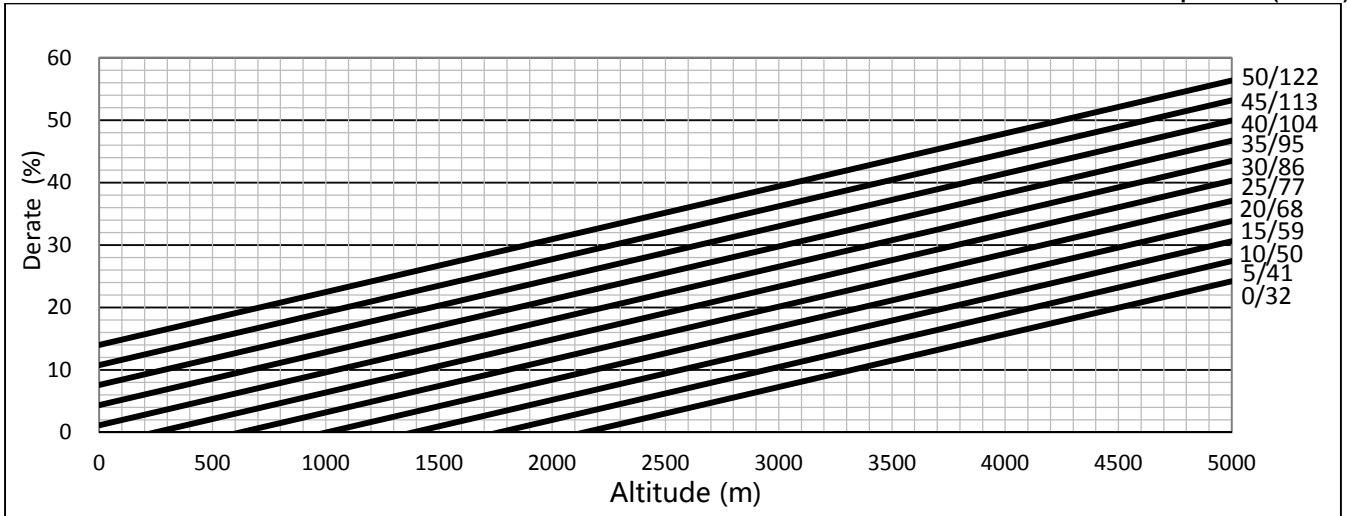
Ambient Temperature (°C / °F)


Gross Power Output (%) ²@1500 rpm

Temp(°C)		-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50
Altitude(m)	0	79.9	81.3	83.0	84.5	86.1	86.9	88.3	89.4	90.5	94.4	98.6	100.0	98.8	97.9	97.3	98.3	98.6
	500	82.8	84.2	85.8	87.1	88.5	89.5	90.6	92.0	93.3	94.3	95.6	98.0	98.2	98.9	98.7	98.4	98.1
	1000	85.5	87.1	88.4	90.0	91.0	92.4	93.4	94.5	96.0	97.3	98.5	99.0	98.7	98.4	98.1	97.9	96.8
	1500	88.3	89.9	91.5	92.8	93.8	95.1	95.9	97.4	98.9	99.0	98.7	98.4	98.1	97.9	97.6	95.0	91.6
	2000	91.1	92.4	93.9	95.4	96.4	97.7	99.5	99.1	98.8	98.4	98.1	97.8	97.5	96.2	92.9	89.6	86.0
	2500	94.2	95.7	97.5	98.7	99.4	99.1	98.8	98.4	98.1	97.8	97.5	97.2	94.3	90.8	87.2	84.2	80.8
	3000	98.0	99.7	99.3	99.0	98.7	98.3	98.0	97.7	97.4	97.1	95.5	91.7	88.4	85.1	81.8	78.8	76.0
	3500	99.2	98.9	98.6	98.3	97.9	97.6	97.3	97.0	96.7	93.1	89.6	86.3	83.0	80.0	77.0	74.2	71.2
	4000	98.4	98.1	97.8	97.4	97.1	96.8	96.5	94.0	90.2	87.2	83.9	80.6	77.6	74.9	71.9	69.4	66.6
	4500	97.5	97.2	96.9	96.6	96.3	94.5	91.3	88.0	84.5	81.3	78.5	75.3	72.8	70.1	67.4	64.9	62.4
	5000	96.4	95.1	93.8	93.0	91.8	88.6	85.4	82.4	79.4	76.2	73.2	70.5	68.0	65.6	63.1	60.9	58.7
	5500	88.6	88.9	87.9	86.9	85.9	82.7	79.7	77.0	73.8	71.1	68.6	65.9	63.5	61.3	58.9	56.7	54.8

ESP/PRP Power Derate Curves ¹@1800 rpm

Ambient Temperature (°C / °F)


Gross Power Output (%) ²@1800rpm

Temp(°C)		-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50
Altitude(m)	0	81.1	82.8	84.4	86.0	87.7	89.2	90.8	92.3	93.9	95.5	97.0	100.0	99.9	98.2	97.1	96.1	94.7
	500	76.1	77.9	79.6	81.3	83.0	84.6	86.2	87.8	89.5	91.1	92.7	97.8	95.8	92.8	88.8	84.9	81.0
	1000	80.3	82.3	84.0	85.7	87.5	89.2	91.0	92.6	94.3	96.0	97.7	95.0	91.0	87.0	83.2	79.5	75.9
	1500	84.9	86.9	88.8	90.6	92.3	94.2	95.9	97.7	99.3	97.2	93.0	89.0	85.1	81.4	77.8	74.3	70.9
	2000	89.8	91.9	93.8	95.7	97.7	99.4	99.2	99.0	95.0	91.0	87.0	83.1	79.5	76.0	72.5	69.2	66.1
	2500	95.4	97.5	99.5	99.3	99.0	98.8	97.0	92.9	88.9	84.9	81.1	77.5	74.1	70.7	67.6	64.5	61.7
	3000	98.5	97.4	96.3	95.6	94.4	93.7	90.3	86.4	82.6	78.9	75.3	71.9	68.8	65.7	62.9	60.2	57.7
	3500	92.6	91.4	90.3	89.2	88.5	87.6	84.3	80.6	77.0	73.5	70.1	67.0	64.2	61.5	58.8	56.3	53.9
	4000	86.2	85.0	83.9	82.8	82.1	81.7	78.2	74.6	71.2	68.1	65.1	62.3	59.7	57.1	54.7	52.4	50.2
	4500	80.2	79.5	78.3	77.7	76.6	75.7	72.3	69.1	66.1	63.2	60.5	58.0	55.6	53.2	51.0	48.8	46.8
	5000	74.3	73.6	72.9	72.2	71.5	70.0	67.0	64.2	61.4	58.7	56.3	53.8	51.6	49.5	47.4	45.5	43.6
	5500	69.2	68.5	67.8	67.1	66.5	64.8	62.1	59.4	56.9	54.4	52.1	49.9	47.9	45.9	44.1	42.3	40.5

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.