

Duration Chart Notes:

- Bottle Capacity has been reduced 5% for safety
- The installation of this equipment does not affect or change the performance characteristics of the airplane, which are detailed in Section 5 of the primary portion of the *Pilot's Operating Handbook*. No change from basic Handbook.

Section 6 – Weight & Balance

If the aircraft is equipped with and the Oxygen System is installed, it is the pilot's responsibility to verify the weight and balance of the aircraft is within limits with the System installed prior to flight.

The weight, arm, and moment for fully charged systems (1800psig) are provided in Table 4. The total weight of oxygen in the system is 6.4lb and the actual weight and moment can be determined by oxygen pressure per Figure 24.

Table 4 - Weight and Balance Information

	Weight - lb	Arm	Moment/1000
Empty	17.4	262.3	4565.7
Full	23.8	265.3	6316.4

Section 7 – System Description

The general operating procedures for use of the Fixed Oxygen System is discussed in the Section 1 - General System Overview of this Supplement.

Section 6 - Weight & Balance

Refer to Section 6 - Weight and Balance of the basic POH for current weight and balance data. Use the following table to determine the Moment/1000 for deicing fluid to complete the Loading Form in the Weight and Balance Section of the basic POH.

- Total fluid tank capacity is 8.5 gallon (32L).
- Deicing fluid weight is 9.2 pounds per gallon.

Gallons	Weight LB	Mom/1000@ Tank (FS148.0)	Gallons	Weight LB	Mom/1000@ Tank (FS148.0)	Gallons	Weight LB	Mom/1000@ Tank (FS148.0)
0.1	0.9	0.14	3.3	30.4	4.49	6.5	59.8	8.85
0.2	1.8	0.27	3.4	31.3	4.63	6.6	60.7	8.99
0.3	2.8	0.41	3.5	32.2	4.77	6.7	61.6	9.12
0.4	3.7	0.54	3.6	33.1	4.90	6.8	62.6	9.26
0.5	4.6	0.68	3.7	34.0	5.04	6.9	63.5	9.40
0.6	5.5	0.82	3.8	35.0	5.17	7.0	64.4	9.53
0.7	6.4	0.95	3.9	35.9	5.31	7.1	65.3	9.67
0.8	7.4	1.09	4.0	36.8	5.45	7.2	66.2	9.80
0.9	8.3	1.23	4.1	37.7	5.58	7.3	67.2	9.94
1.0	9.2	1.36	4.2	38.6	5.72	7.4	68.1	10.08
1.1	10.1	1.50	4.3	39.6	5.85	7.5	69.0	10.21
1.2	11.0	1.63	4.4	40.5	5.99	7.6	69.9	10.35
1.3	12.0	1.77	4.5	41.4	6.13	7.7	70.8	10.48
1.4	12.9	1.91	4.6	42.3	6.26	7.8	71.8	10.62
1.5	13.8	2.04	4.7	43.2	6.40	7.9	72.7	10.76
1.6	14.7	2.18	4.8	44.2	6.54	8.0	73.6**	10.89
1.7	15.6	2.31	4.9	45.1	6.67	8.1	74.5	11.03
1.8	16.6	2.45	5.0	46.0*	6.81	8.2	75.4	11.17
1.9	17.5	2.59	5.1	46.9	6.94	8.3	76.4	11.30
2.0	18.4	2.72	5.2	47.8	7.08	8.4	77.3	11.44
2.1	19.3	2.86	5.3	48.8	7.22	8.5	78.2	11.57
2.2	20.2	3.00	5.4	49.7	7.35	*Minimum Dispatch Fluid Qty		
2.3	21.2	3.13	5.5	50.6	7.49	**Usable Tank Capacity		
2.4	22.1	3.27	5.6	51.5	7.62			
2.5	23.0	3.40	5.7	52.4	7.76			
2.6	23.9	3.54	5.8	53.4	7.90			
2.7	24.8	3.68	5.9	54.3	8.03			
2.8	25.8	3.81	6.0	55.2	8.17			
2.9	26.7	3.95	6.1	56.1	8.31			
3.0	27.6	4.08	6.2	57.0	8.44			
3.1	28.5	4.22	6.3	58.0	8.58			
3.2	29.4	4.36	6.4	58.9	8.71			