

Torquer Blower and GE-ECM Blower Efficiency Calculation

at Continuous Operating Points

SHC 1/2 hp Torquer Blower						GE-ECM2.3 3/4 hp Blower					
Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ = Ⓓ / Ⓔ	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ = Ⓓ / Ⓔ
Motor Speed rpm	Airflow Rate cfm	Total Pressure in - wg	Blower Output W	Control Input W	Blower Efficiency %	Motor Speed rpm	Airflow Rate cfm	Total Pressure in - wg	Blower Output W	Control Input W	Blower Efficiency %
458	390	0.158	7.2	30.0	24.11	458±20	418	0.122	6.0	29.4	20.36
655	602	0.348	24.6	70.3	34.99	655±20	599	0.328	23.1	74.7	30.88
851	808	0.602	57.1	144.6	39.49	851±20	723	0.538	45.7	129.7	35.21
1044	1033	0.930	112.8	266.3	42.35	1044±20	1038	0.797	97.1	253.1	38.37