

3/4 hp Torquer Motor Efficiency Data

#43.6 Fan Blade Load

115 V AC Input

DIP Switch Setting	Shaft Torque N-m	Motor Speed rpm	AC Line Input W	Motor Input W	Motor Output W	Control Efficiency %	Motor Efficiency %	Overall Efficiency %
h40	0.23	266	13.8	9.8	6.3	70.9	64.3	45.6
h50	0.36	333	21.5	16.8	12.5	78.2	74.3	58.1
h60	0.53	400	33.2	28.0	22.2	84.3	79.2	66.8
h70	0.73	466	49.4	43.1	35.6	87.3	82.5	72.1
h80	0.95	533	69.5	62.1	52.9	89.4	85.2	76.2
h90	1.20	600	95.4	86.8	75.3	91.0	86.9	79.0
ha0	1.49	666	128.2	118.0	92.0	92.0	88.2	81.1
hb0	1.82	733	168.8	156.7	139.6	92.9	89.1	82.7
hc0	2.18	800	218.0	203.5	182.3	93.4	89.6	83.6
hd0	2.54	867	273.6	256.3	230.1	93.7	89.8	84.1
he0	2.98	933	344.2	323.0	290.6	93.9	90.0	84.5
hf0	3.41	1,000	422.8	397.4	356.9	94.0	89.8	84.4
hff	3.88	1,062	512.6	481.5	431.0	93.9	89.5	84.1

3/4 hp Torquer Motor Efficiency Data

#43.6 Fan Blade Load

120 V AC Input

DIP Switch Setting	Shaft Torque N-m	Motor Speed rpm	AC Line Input W	Motor Input W	Motor Output W	Control Efficiency %	Motor Efficiency %	Overall Efficiency %
h40	0.23	266	14.6	10.1	6.3	69.2	62.4	43.2
h50	0.36	333	22.5	17.5	12.5	78.1	71.3	55.7
h60	0.52	400	33.3	28.1	21.9	84.2	78.3	65.9
h70	0.72	466	48.8	42.6	34.9	87.3	82.0	71.6
h80	0.95	533	69.6	62.2	52.7	89.3	84.8	75.8
h90	1.19	600	95.1	86.5	74.9	90.9	86.9	79.0
ha0	1.50	666	129.0	118.7	92.1	92.1	88.0	81.0
hb0	1.81	733	168.1	156.2	138.8	92.9	88.8	82.5
hc0	2.16	800	216.6	202.3	181.3	93.4	89.6	83.7
hd0	2.55	867	273.6	256.9	231.2	93.9	90.0	84.5
he0	2.96	933	341.1	320.8	288.8	94.0	90.0	84.7
hf0	3.40	1,000	420.0	395.4	356.1	94.1	90.1	84.8
hff	3.84	1,062	503.9	474.9	426.7	94.2	89.9	84.7