

Mech / Thermal at 1750 RPM

Horse Power Chart

RATIO	B02	B03	B04	B05	B06	B08	B09	B10	B11
5	1.76/1.97	2.51/2.76	3.45/4.38	4.65/5.07	7.47/7.51	9.62/10.58	13.57/12.75	16.58/16.45	20.63/17.59
7.5	1.3/1.64	1.85/2.27	2.54/3.56	3.39/4.12	5.45/6.08	6.97/8.55	9.76/10.31	11.88/13.29	14.73/14.24
10	1.05/1.45	1.47/2.00	1.84/3.12	2.63/3.60	4.17/5.32	4.98/7.47	6.99/9.01	8.93/11.61	11.05/12.45
15	0.79/1.10	1.11/1.50	1.51/2.32	2.02/2.68	3.26/3.93	4.13/5.50	5.79/6.63	7.18/8.53	8.93/9.15
20	0.62/0.87	0.88/1.18	1.20/1.80	1.60/2.08	2.59/3.03	3.34/4.23	4.70/5.09	5.74/6.53	7.15/7.00
25	0.56/0.74	0.79/0.99	1.08/1.51	1.44/1.74	2.32/2.53	2.72/3.47	3.81/4.16	4.65/5.33	5.76/5.71
30	0.49/0.67	0.67/0.90	0.90/1.37	1.20/1.57	1.91/2.28	2.45/3.16	3.43/3.79	4.18/4.86	5.20/5.20
40	0.38/0.54	0.51/0.72	0.68/1.08	0.89/1.23	1.41/1.78	1.79/2.45	2.49/2.93	3.03/3.74	3.75/4.00
50	0.33/0.47	0.44/0.62	0.58/0.92	0.75/1.04	1.16/1.49	1.46/2.05	2.01/2.44	2.43/3.11	2.99/3.32
60	0.29/0.42	0.38/0.55	0.50/0.81	0.64/0.92	0.98/1.31	1.24/1.79	1.70/2.13	2.05/2.70	2.52/2.88
Center Distance	1.33	1.54	1.75	1.97	2.38	2.62	3	3.25	3.54
Default Bore	1"	1"	1.438	1.438	1.438	1.938	2.188	2.188	2.938
Standard Shaft	0.750	0.750	1.000	1.125	1.125	1.500	1.500	1.500	1.875
Reduced Shaft	0.625		0.875	1.000	*-1"	1.125	1.250	1.375	1.625
input shaft dia.	0.625	0.750"				1.188"			1.188

Notes:

Use the Mechanical value (lower number) for sizing to a motor for a 1,0 services factor.

The Thermal rating is based on a fan-cooled motor being used blowing air over the reducer.

Derate the reducer for service factors greater than 1.0. I.E. If 2.0 service factor, divide value by 2.

More detailed tables on page 64 (1750 RPM) and page 66 (1150 RPM) in catalog.