

# COMPARISON MOTOR SIZES / COUPLING SIZES

Table 8

Motor Size	Motor output 3000 rpm		Coupl. Size	Motor output 1500 rpm		Coupl. Size	Motor output 1000 rpm		Coupl. Size	Motor output 750 rpm		Coupl. Size	Shaft
	kW	T (Nm)		kW	T (Nm)		kW	T (Nm)		kW	T (Nm)		
71	0.37	1.30	19	0.25	1.80	19	0.18	2.00	19	0.09	1.40	19	14 x 30
	0.55	1.90		0.37	2.50		0.25	2.80		0.12	1.80		
80	0.75	2.50	19	0.55	3.70	19	0.37	3.90	19	0.18	2.50	19	19 x 40
	1.10	3.70		0.75	5.10		0.55	5.80		0.25	3.50		
90S	1.50	5.00	28	1.10	7.50	28	0.75	8.00	28	0.37	5.30	28	24 x 50
90L	2.20	7.40	28	1.50	10.00	28	1.10	12.00	28	0.55	7.90	28	24 x 50
100L	3.00	9.80	28	2.20	15.00	28	1.50	15.00	28	0.75	11.00	28	28 x 60
112M	4.00	13.00	28	4.00	27.00	28	2.20	22.00	28	1.50	21.00	28	28 x 60
132S	5.50	18.00	42	5.50	36.00	42	3.00	30.00	42	2.20	30.00	42	38 x 80
132M				7.50	49.00	42	4.00	40.00	42	3.00	40.00	42	38 x 80
				5.50	55.00		5.50	55.00					
160M	11.00	36.00	42	11.00	72.00	42	7.50	75.00	42	4.00	54.00	42	42 x 110
	15.00	49.00		5.50	74.00								
160L	18.50	60.00	42	15.00	98.00	42	11.00	109.00	42	7.50	100.00	42	42 x 110
180M	22.00	71.00	48	18.50	121.00	48							48 x 110
180L				22.00	144.00	48	15.00	148.00	48	11.00	145.00	48	48 x 110
200L	30.00	97.00	60	30.00	196.00	60	18.50	181.00	60	15.00	198.00	60	55 x 110
	37.00	120.00		22.00	215.00								
225S				37.00	240.00	60				18.50	244.00	60	55 x 110
225M	45.00	145.00	60	45.00	292.00	60	30.00	293.00	60	22.00	290.00	60	55 x 110
250M	55.00	177.00	60	55.00	356.00	60	37.00	361.00	60	30.00	392.00	60	60 x 140

## DESIGN POWER IN KILOWATTS

Table 9

Speed rpm	Coupling size				
	19	28	42	48	60
100	0.19	0.73	1.57	3.14	5.24
200	0.38	1.47	3.14	6.28	10.50
300	0.57	2.20	4.71	9.42	15.70
400	0.75	2.93	6.28	12.60	20.90
500	0.94	3.66	7.85	15.70	26.20
600	1.13	4.40	9.42	18.80	31.40
700	1.32	5.13	11.00	22.00	36.60
730	1.38	5.35	11.50	22.90	38.20
800	1.51	5.86	12.60	25.10	41.90
900	1.70	6.60	14.10	28.30	47.10
1000	1.88	7.33	15.70	31.40	52.40
1200	2.26	8.80	18.80	37.70	62.80
1400	2.64	10.26	22.00	44.00	73.30
1460	2.75	10.70	22.90	45.90	76.40
1800	3.39	13.20	28.30	56.50	94.00
2000	3.77	14.70	31.40	62.80	105.00
2400	4.52	17.60	37.70	75.40	126.00
2800	5.28	20.50	44.00	88.00	147.00
3200	6.03	23.50	50.30	101.00	168.00
3500	6.60	25.70	55.00	110.00	183.00
4000	7.54	29.30	62.80	126.00	209.00
4500	8.48	33.00	70.70	141.00	236.00
5000	9.42	36.60	78.50	157.00	262.00
5500	10.37	40.30	86.40	173.00	288.00
6000	11.31	44.00	94.20	188.00	314.00