

ELECTRICAL DATA & WEIGHTS

Standard Three - Phase Motors

Motor Frame	Motor Shaft Dia.	App. wt. kg**	2 Pole*			4 Pole*			6 Pole*			8 Pole*		
			48 rev/sec			24 rev/sec			16 rev/sec			12 rev/sec		
			kW#	FLA	LRC	kW#	FLA	LRC	kW#	FLA	LRC	kW#	FLA	LRC
D71 _B	14	6	0.37	0.9	6.1	0.37	1.0	4.1	-	-	-	-	-	-
D71	14	6.3	0.55	1.3	6.1	-	-	-	-	-	-	-	-	-
D80 _A	19	9	0.75	1.7	5.9	0.55	1.4	4.8	0.37	1.1	2.8	-	-	-
D80 _B	19	10	1.1	2.3	6.0	0.75	1.9	4.6	0.55	1.7	3.1	-	-	-
D90S	24	13	1.5	3.1	6.5	1.1	2.5	5.4	0.75	1.9	4.6	-	-	-
D90L	24	16	2.2	4.3	6.4	1.5	3.3	5.3	1.1	2.7	4.5	0.55	2.0	3.26
D100L	28	29	3.0	5.7	7.5	2.2	4.5	6.7	1.5	3.7	5.1	0.75	2.3	4.0
D100L	28	31	-	-	-	3.0	5.9	6.7	-	-	-	1.1	3.4	4.2
D112M	28	43	4.0	5.7	7.5	4.0	7.9	7.6	2.2	5.1	5.6	1.5	3.9	4.5
D112M	28	46	5.5	10.1	7.23	-	-	-	-	-	-	-	-	-
D132S	38	65	5.5	10.1	7.4	5.5	10.2	6.9	3.0	6.4	6.7	2.2	5.1	5.30
D132S	38	68	7.5	13.3	7.2	-	-	-	-	-	-	-	-	-
D132M	38	79	-	-	-	7.5	13.7	7.5	4.0	8.5	6.8	3.0	6.7	5.60
D132M	38	79	-	-	-	10	20	7.25	5.5	11.0	6.9	-	-	-
D160M	42	115	11.0	19.5	7.1	11	20.1	6.8	7.5	15.8	5.5	4.0	8.8	6.20
D160M	42	120	15.0	26.1	6.9	-	-	-	-	-	-	5.5	11.5	5.8
D160L	42	140	18.5	31.3	7.3	15	27.3	7.1	11	22	6.3	7.5	15.1	5.9
D180M	48	190	22	37.7	7.1	18.5	32	7.0	-	-	-	-	-	-
D180L	48	200	-	-	-	22	38	7.6	15	28	6.0	11	22.7	6.0
D200L	55	260	30	53.5	8.3	30	52	7.6	18.5	35	6.8	15	31	5.9
D200L	55	290	37	63	8.1	-	-	-	22	41	7.0	-	-	-
D225S	55/60	360	-	-	-	37	64	7.4	-	-	-	18.5	37	5.2
D225M	55/60	370	45	76	7.6	45	75	7.4	30	55	7.0	22	44	4.4
D250S	60/70	520	-	-	-	-	-	-	37	65	6.4	30	61	5.85
D250M	60/65	660	55	96	7.6	55	91	7.5	45	78	5.42	30	56	6.2
D280S	65/70	600	75	124	7.2	75	122	6.7	45	78	6.4	37	71	5.3
D280M	65/80	650	90	148	7.4	90	152	6.7	55	95	6.4	45	87	6.2
D315S	80	O/A	-	-	-	110	184	6.0	75	126	6.3	55	101	6.5
D315M	80/85	O/A	-	-	-	132	213	6.0	90	151	6.2	75	136	6.8
D315M	80/85	O/A	-	-	-	160	265	6.75	132	226	6.4	-	-	-

* The figures in this table are to be used as a guide only

For direct drive axial flow fan applications in normal ambient temperatures, airstream cooling enables the power available from the motors to be increased without detriment to the motor. AMS will utilise this facility whenever possible.

** Motor weight will vary depending on the manufacturer. Our data is based upon a commonly used brand of motor.

Starting Amps

Direct-on-line (D.O.L.) = Full Load Amps x Locked Rotor Current Multiplier

= FLA x LRC

= $\frac{\text{FLA} \times \text{LRC}}{3}$

Star/delta starting

Where:

DOL = Direct-on-line

FLA - Full Load Amps

LRC = Locked Rotor Current Multiplier

The data on this page does not apply to external rotor motors.