

**Air & Liquid Cooled Brakes
1.5 through 100 HP**

Air-Cooled Brake Engineering Data

Description	Brake Rpm	Model AS					
		703	704	705	706	707	708
45 VDC Cold Ohms Hot Amps 90 VDC Cold Ohms Hot Amps } Coil Data	-						
	-	10.0	5.0	4.0	2.0	1.9	.95
	-	3.5	7.0	7.3	14.5	15.5	31.0
	-						
	-	39.6	19.8	15.6	7.8	8.8	4.04
	-	1.75	3.5	4.4	8.8	7.2	14.54
Horsepower, continuous dissipation	3600	10.0	20.0	-	-	-	-
	1800	7.5	15.0	20.5	36.0	65.2	100.0
	1200	5.0	10.0	14.8	24.0	45.7	75.0
	900	3.5	7.5	11.1	18.0	34.3	56.0
Inertia (Lb. Ft. ²)	-	.75	1.48	7.1	14.4	49.0	89.0
Overhung Load, maximum (Lbs.)	3600	360.0	410.0	-	-	-	-
	1800	460.0	525.0	570.0	640.0	1700	1810
	1200	530.0	605.0	655.0	705.0	2000	2130
	900	585.0	660.0	720.0	825.0	2200	2360
Torque, maximum (Lb. Ft.)	1800	53.0	110.0	210.0	420.0	870	1740
	1200	49.0	99.0	204.0	410.0	870	1740
	900	43.0	90.0	195.0	388.0	870	1740
Weight, approximate (Lbs.)	-	130	197	276	448	1025	2200

Recommended Brake Sizes:

Hook Type Crane Hoist Service

Model application is based on motor speed torque formula adjusted to 85% mechanical efficiency of gearbox and sheaves.

Motor HP	Brake Model Recommended for Synchronous Speeds of			
	1800 RPM	1200 RPM	900 RPM	720 RPM
15	704	704	705	705
20	704	705	705	705
25	704	705	705	706
30	704	705	705	706
40	705	705	706	707
50	705	706	706	707
60	705	706	707	707
75	706	706	707	707
100	706	707	707	707
125	707	707	707	708
150	707	707	707	708
200	707	707	708	708