



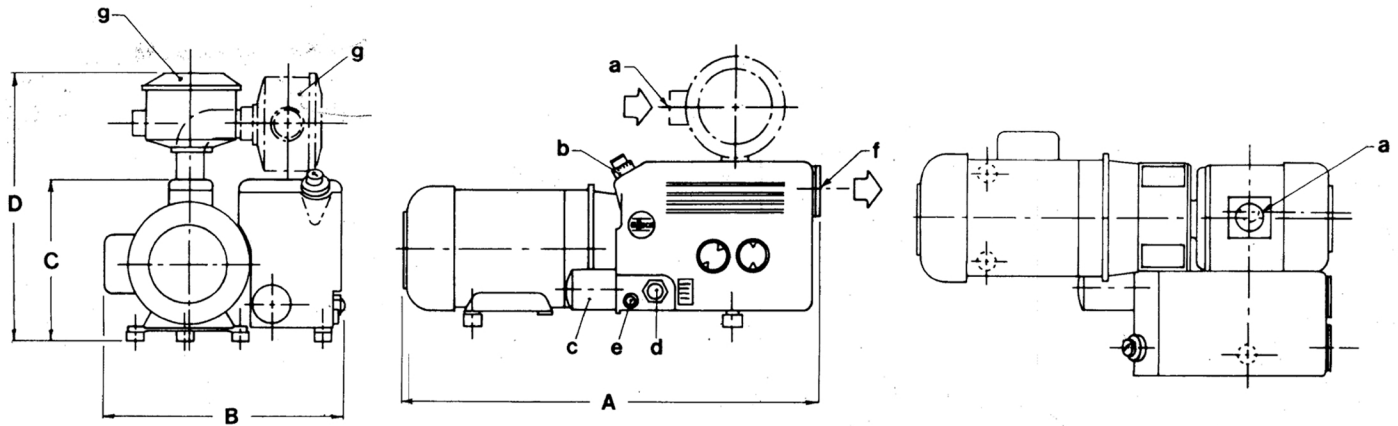
Busch RC Series

Technical Specifications

R5 Model	0004	0006	0010	0012	0016	0021	0025	0040	0063	0100	0160	0250	0400	0630	1000	1600
Nominal pumping speed (ACFM)	3.3	3.9	6	7	8.6	14	18	26	36	56	115	170	305	455	670	1030
Free air displacement (CFM)	3	4.2	7.1	8.5	11.2	15	20	28	41	63	117	180	330	490	704	1130
Max. sound level (dBA)	58	62	69	68	70	72	70	70	70	71	79	81	83	85	85	86
Motor size for 3 phase (HP)	NA	1/2	3/4	3/4	3/4	1	1 1/2	2	3	5	7.5	10	15	25	40	50
Motor size for 1 phase (HP)	3/8	1/2	1	3/4	1	1 1/4	1 1/2	2	3	5	NA	NA	NA	NA	NA	NA
Motor rotational speed (rpm)	1750	3550	1750	1750	1750	3550	1750	1750	1750	1750	1750	1750	1150	1150	1150	1150
Approx. oil capacity, (qt.)*	0.1	0.1	0.5	0.5	0.5	0.5	1.4	1.4	2.5	2.7	7	7	14	16	42	44
Inlet connections — NPT (inch)	3/8	3/8	3/4	1" Hose	3/4	1" Hose	1 1/4	1 1/4	1 1/4	1 1/4	2	2	3	3	6 (ASA)	6 (ASA)
End Vacuum Torr (RC)	NA	NA	15	15	15	15	15	15	15	15	15	15	15	15	15	15
End Vacuum Torr (RA)	5**	2**	0.5	2**	0.5	2**	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Approximate Weight (lbs.)	27	28	49	42	60	42	106	120	172	198	416	460	1152	1525	2151	2833

*We recommend Busch R-530 vacuum pump oil for most applications; Busch R-580 vacuum pump oil for models 0004, 0006 and 0021; and Busch R-590 for severe applications. ** RB version for Models 0004, 0006, 0012, and 0021. Consult factory for special applications.

Dimensions



a - Inlet (Pipe Thread) b - Oil Fill Plug c - Oil Filter d - Oil Sight Glass e - Oil Drain Plug f - Exhaust g - Inlet Dust Filter

R5 VACUUM PUMP OVERALL DIMENSIONS

Model	0006	0010	0012	0016	0021	0025	0040	0063	0100	0160	0250	0400	0630	1000	1600
A length	12 5/8	17 11/16	16 3/8	19 1/2	17 3/8	26 1/8	27 3/8	27 7/8	29 1/2	34 1/4	39 1/2	53 1/2	68 9/16	73	89
B width	7 3/4	10 3/4	11	10 3/4	11 7/16	13 1/4	13 1/4	18 3/8	18 7/8	25 3/4	25 3/4	36	38 1/2	39	39
C height	6 1/16	7 7/8	10 5/8	7 7/8	10 5/8	10 3/8	10 3/8	11 1/4	11 1/4	15 7/8	15 7/8	26 1/8	26 1/8	35 1/2	35 1/2
D height*	NA	11 7/8	NA	11 7/8	NA	16	16	17	19	24 7/8	24 7/8	41 1/4	41 7/8	60 1/2	60 1/2

*With filter; All dimensions in inches



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Busch RC Series Pumping Curves

