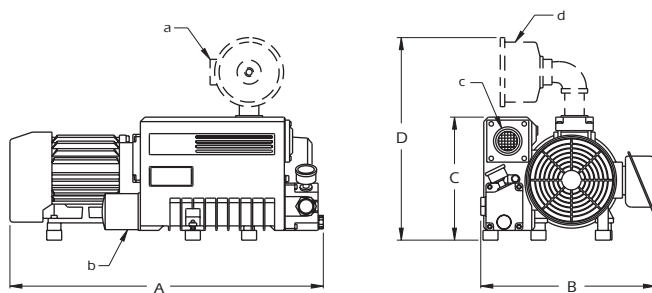


R5 Series Dimensional Data

Model 0025 shown



- a – Inlet (Pipe Thread)
- b – Oil Filter
- c – Exhaust
- d – Inlet Dust Filter

Model	0004	0006	0010	0012	0016	0021	0025	0040	0063	0100	0160	0250	0400	0630	1000	1600
A length	12 ¹ / ₈	12	18 ¹ / ₄	16 ⁵ / ₈	19 ¹ / ₂	17 ¹ / ₄	26 ¹ / ₈	26 ¹³ / ₁₆	28	29 ¹ / ₂	36 ¹ / ₈	40	54 ³ / ₈	70 ¹ / ₈	75	87 ³ / ₄
B width	7 ¹ / ₈	7 ¹ / ₂	10 ¹ / ₄	11	8 ¹ / ₂	11 ⁷ / ₁₆	14 ⁹ / ₁₆	14 ⁹ / ₁₆	19 ⁵ / ₁₆	19 ⁵ / ₁₆	26	25 ⁷ / ₈	36 ³ / ₈	37 ³ / ₄	45 ³ / ₄	45 ³ / ₄
C height	7	6 ¹ / ₈	7 ⁷ / ₈	6 ³ / ₄	8	7 ³ / ₁₆	10 ³ / ₈	10 ³ / ₈	11 ⁷ / ₈	11 ⁷ / ₈	16 ¹ / ₄	17 ¹³ / ₁₆	26 ¹ / ₂	26 ¹ / ₂	36 ³ / ₄	36 ³ / ₄
D height*	NA	NA	11 ⁷ / ₈	10 ⁵ / ₈	11 ⁷ / ₈	10 ⁵ / ₈	17 ¹ / ₈	17 ¹ / ₈	18 ³ / ₄	18 ³ / ₄	25 ³ / ₈	26 ¹ / ₂	38 ¹ / ₄	38 ¹ / ₄	57	57

*With filter; All dimensions in inches. Dimensions may vary depending on motor specs.

Technical Data

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	3/4	1 1/4	1 1/4	1 1/4	1 1/4	2	2	3	3	6 (ANSI)	6 (ANSI)
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.

Performance Data (Based on 60 cycle motor, with gas ballast closed)

