

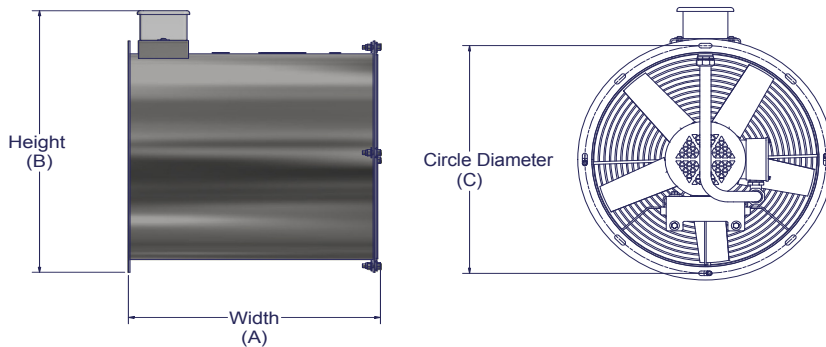
Republic RTAF Tube Axial Fans provide flow capacities up to 27,000 cfm in diameters ranging from 12" to 36". These powerful, direct drive fans feature welded and powder-coated steel bodies, spark-resistant impellers, and TEFC motors with a single point electrical connection. These industrial fans are maintenance free, designed for continuous operation, and ideal for a variety of applications including ventilation, heat removal, process air movement, and in-line duct boosters.



ADVANTAGES

- Capacities up to 27,000 cfm
- Pressures up to 5" H₂O
- Eight standard diameters - 12" - 36"
- Direct driven TEFC motors (washdown available)
- Powder-coated steel body
- Spark-resistant impeller
- Precision balanced prior to assembly
- Fan guard is standard
- Integral rolled flanges

APPROXIMATE DIMENSIONS



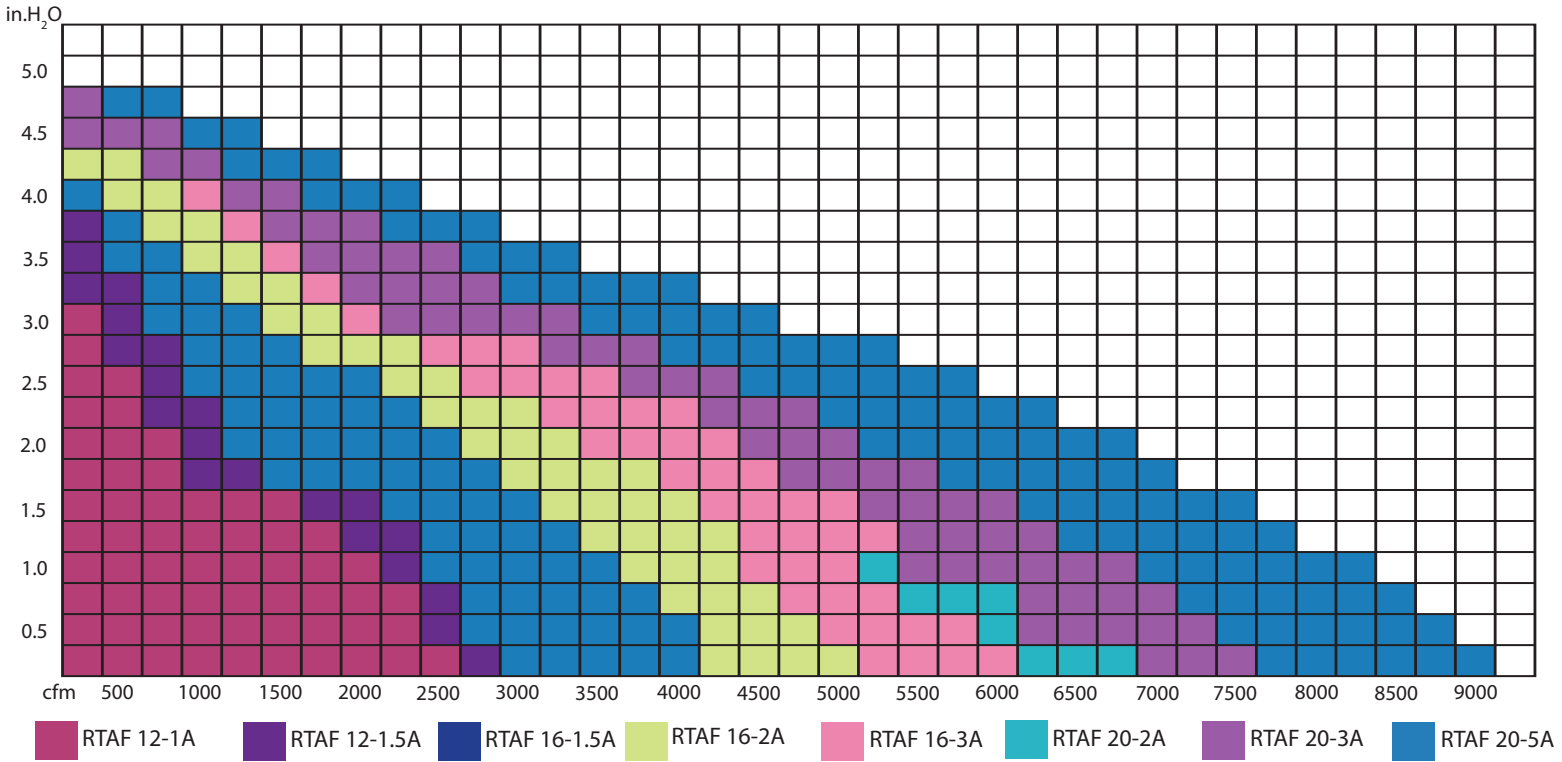
Model	Unit	A	B	C
RTAF-12	in	20.49	17.42	13.26
	mm	521	443	337
RTAF-16	in	20.49	21.37	17.26
	mm	521	543	438
RTAF-20	in	21.49	25.74	21.51
	mm	546	654	546
RTAF-30	in	26.49	35.40	31.76
	mm	673	899	807
RTAF-36	in	28.49	41.44	37.76
	mm	724	1053	959

SPECIFICATIONS

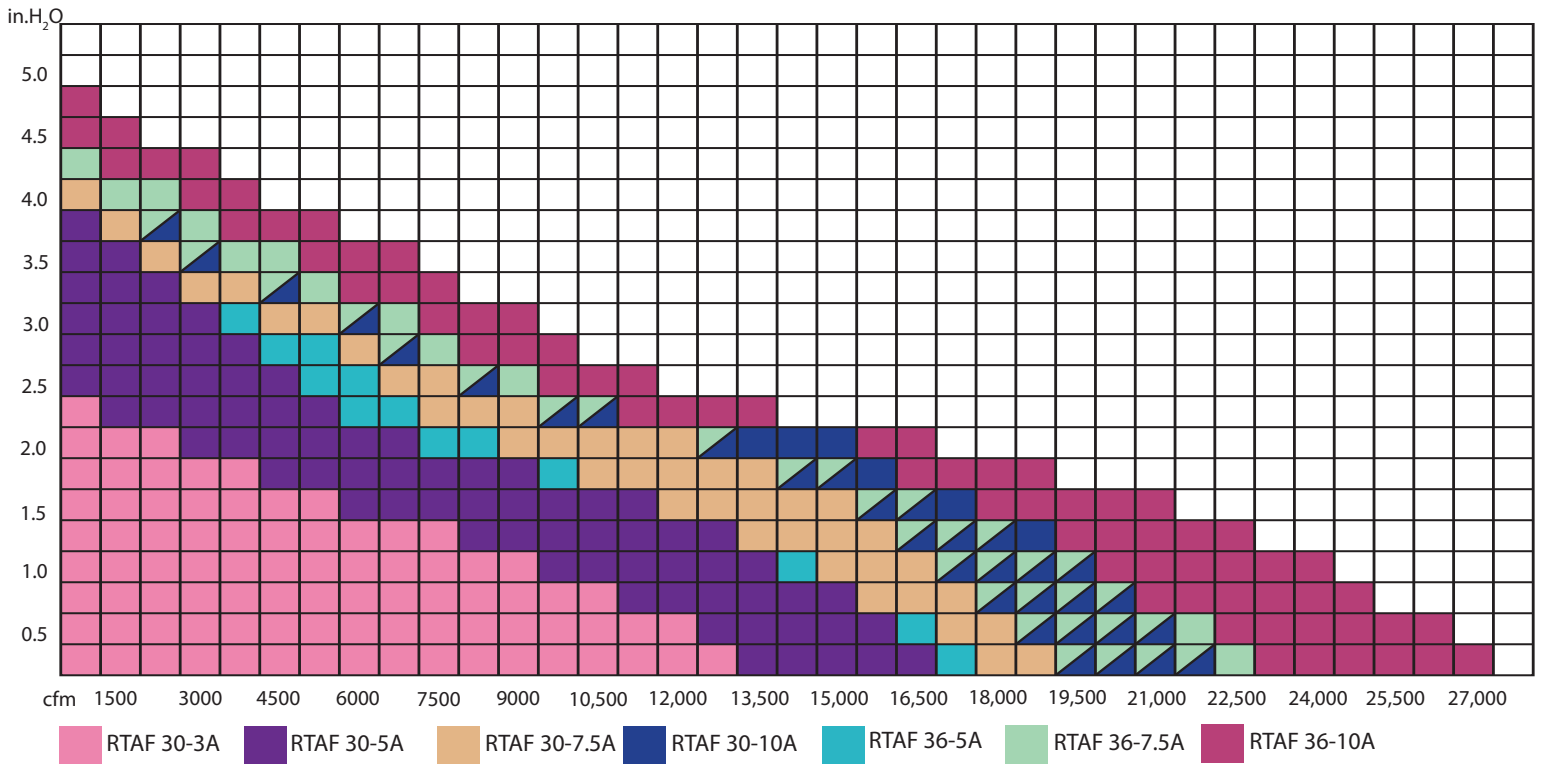
Model	Max Flow (cfm)	Max Pressure (in.H ₂ O)	Fan Diameter (in)	Speed (RPM)	Power (HP)	Voltage (V)	Current (Amp)	Weight (lb)
RTAF-12-1A	2,500	3.00	12	3600	1.0	230/460	2.8/1.4	72
RTAF-12-1.5A	2,700	3.75	12	3600	1.5	230/460	3.8/1.9	72
RTAF-16-1.5A	4,000	4.00	16	3600	1.5	230/460	3.8/1.9	84
RTAF-16-2A	5,000	4.25	16	3600	2.0	230/460	5.0/2.5	91
RTAF-16-3A	6,000	4.25	16	3600	3.0	230/460	7.2/3.6	97
RTAF-20-2A	6,750	1.75	20	1800	2.0	230/460	5.8/2.9	97
RTAF-20-3A	7,500	4.75	20	3600	3.0	230/460	7.2/3.6	112
RTAF-20-5A	9,000	4.75	20	3600	5.0	230/460	11.8/5.9	138
RTAF-30-3A	12,750	2.25	30	1800	3.0	230/460	8.4/4.2	181
RTAF-30-5A	16,500	3.75	30	1800	5.0	230/460	13.4/6.7	203
RTAF-36-5A	17,250	3.50	36	1800	5.0	230/460	13.4/6.7	236
RTAF-30-7.5A	18,250	4.00	30	1800	7.5	230/460	19.0/9.5	241
RTAF-30-10A	21,750	4.00	30	1800	10.0	230/460	24.0/12.0	275
RTAF-36-7.5A	22,500	4.25	36	1800	7.5	230/460	19.0/9.5	271
RTAF-36-10A	27,000	4.75	36	1800	10.0	230/460	24.0/12.0	305

PERFORMANCE

RTAF 12" - 20" Fan Diameter



RTAF 30" - 36" Fan Diameter



The performance curves are based on air at a temperature of 59 °F and an atmospheric pressure of 29.91 inch Hg with a tolerance of +/-10%. The total pressure differences are valid for inlet and ambient temperatures up to 77 °F. Suction capacity relates to inlet conditions. Pressure capacity relates to atmospheric conditions. For other conditions please contact Republic. Three phase motor tolerances are +/-10% for fixed voltage motors and +/-5% for voltage range motors. The frequency tolerance is +/-2% maximum.



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