

CFM™
CONTINENTAL FAN

OEM IMPELLERS

better AIRFLOW
by DESIGN™



ELTA AIRFOIL IMPELLERS

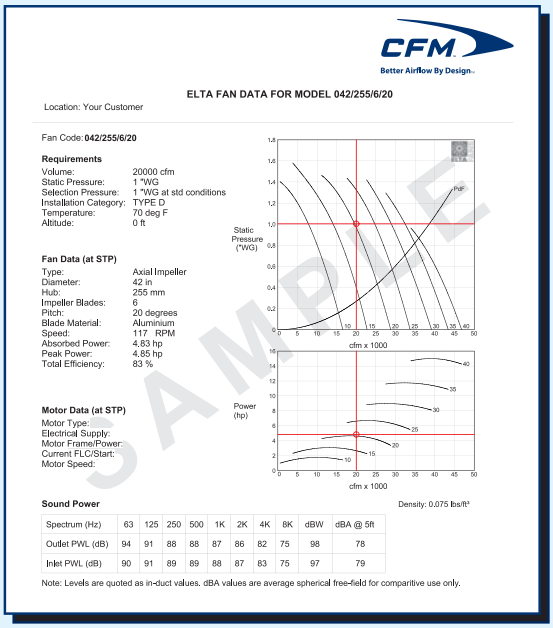
- Airfoil design, modular construction, adjustable pitch
- Superior performance and sound characteristics
- Pressure cast aluminum hub & blades
- GRP [polypropylene] blades available
- Advanced computer selection program
- Custom diameters from 12” to 79”
- Ideal for OEM use or as replacement impellers
- Capacities to 200,000 cfm from stock components

ELTA AIRFOIL IMPELLERS

COMPUTERIZED FAN SELECTION SOFTWARE AVAILABLE



SAMPLE AXIAL FAN SELECTION PRINTOUT



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Better Airflow By Design™

ELTA FAN DATA FOR MODEL 042/255/6/20

Location: Your Customer

Fan Code: **042/255/6/20**

Requirements

Volume:	20000 cfm
Static Pressure:	1 "WG
Selection Pressure:	1 "WG at std conditions
Installation Category:	TYPE D
Temperature:	70 deg F
Altitude:	0 ft

Fan Data (at STP)

Type:	Axial Impeller
Diameter:	42 in
Hub:	255 mm
Impeller Blades:	6
Pitch:	20 degrees
Blade Material:	Aluminium
Speed:	117 RPM
Absorbed Power:	4.83 hp
Peak Power:	4.85 hp
Total Efficiency:	83 %

Motor Data (at STP)

Motor Type:	
Electrical Supply:	
Motor Frame/Power:	
Current FLC/Start:	
Motor Speed:	

Static Pressure ("WG)

cfm x 1000

Power (hp)

cfm x 1000

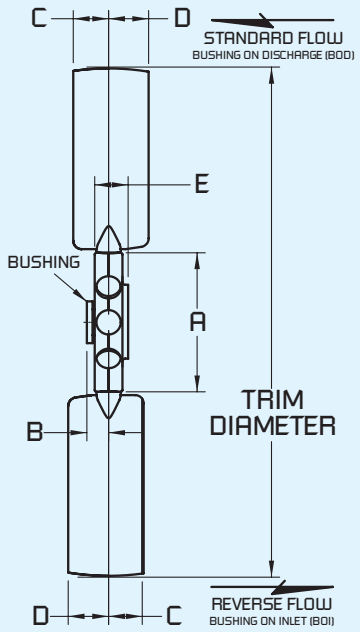
Sound Power

Density: 0.075 lbs/ft³

Spectrum (Hz)	63	125	250	500	1K	2K	4K	8K	dBW	dBA @ 5ft
Outlet PWL (dB)	94	91	88	88	87	86	82	75	98	78
Inlet PWL (dB)	90	91	89	89	88	87	83	75	97	79

Note: Levels are quoted as in-duct values. dBA values are average spherical free-field for comparitive use only.

SAMPLE



- ☑ User Friendly Software
- ☑ Accurate Sound Data
- ☑ Split Taper Bushing Mount
- ☑ Exact Performance Matching
- ☑ Custom Diameters
- ☑ Replacement Impellers

RANGE	DIMENSIONS IN INCHES										
	DIAMETER MIN	DIAMETER MAX	HUB TYPE	NO. OF BLADES	BUSHING TYPE	MAX BORE	DIMENSIONS A	B	C	D	E
1000	11.5	35.5	150	5,10	H	1 3/8	5.9	0.9	1.0	1.5	1.4
1400	24.0	51.0	255	2,3,4,6	P1	1 5/8	10.0	1.3	1.6	2.4	2.1
	27.0	55.0	350	3,4,6,12	Q1	2 11/16	13.8	1.9	1.6	2.4	2.1
2000	39.0	72.8	400	3,6,9	Q2	2 5/8	15.8	2.1	2.2	3.4	3.5
	39.0	78.7	550	3,4,6,12	R2	3 5/8	21.7	2.6	2.2	3.4	3.5

IN-LINE FANS



ROOF VENTILATORS



PANEL FANS



FLANGE FANS



www.continentalfan.com

better AIRFLOW *by* DESIGN™

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