

No.: DS-103
 Date: October, 2003
 Replaces: March, 2003



STAR
Ambient
Data Sheet

STANDARD FEATURES

- ◆ ¼ hp motors
- ◆ Galvanized steel fan wheels & housings
- ◆ Aluminum airfoil shaped directional vanes
- ◆ Aluminum base frame
- ◆ High impact PVC casing (corrosion and UV resistant)
- ◆ Keyhole slots in backplate for quick wall mounting
- ◆ Licensed to bear AMCA Air Performance Seal

- ◆ UL Listed (United States & Canada)
- ◆ Five year parts warranty
- ◆ Made in the USA

OPTIONAL FEATURES

- ◆ 1/2 hp 3 speed motor available (STF & STR Only)

MODEL	Nozzle Width (in)	Max. Velocity (fpm)	Avg. Outlet Velocity (fpm)†	Air Volume†	# Motor(s) @ hp	Power Rating (kW)†	Outlet Velocity Unif. (%)†	# Fans	Net Wgt. (lbs)	Ship Wgt. (lbs)
CUSTOMER ENTRY MODELS										
STF1036A	36"	2700	1337	958	1 @ ¼	.51	81.4	2	50	69
STF1042A	42"	2700	958	978	1 @ ¼	.33	78.9	2	52	78
STF1048A	48"	2700	1011	966	1 @ ¼	.53	59.4	2	53	80
STF1060A-2*	60"	2700	692	977	1 @ ¼	.31	26.0	2	54	110
STF1060A-3*	60"	2700	1006	1498	1 @ ¼	.40	70.0	3	60	116
STF1072A	72"	2700	838	1467	1 @ ¼	.40	62.0	3	70	126
STF2072A	72"	2700	1337	1916	2 @ ¼	1.02	81.4	4	80	136
SERVICE ENTRY MODELS										
STR1036A	36"	3500	1965	1812	1 @ ¼	.68	71.9	2	50	69
STR1042A	42"	3500	1716	1752	1 @ ¼	.75	78.6	2	52	78
STR1048A	48"	3500	1504	1882	1 @ ¼	.73	54.6	2	53	80
STR1060A	60"	3500	1225	1817	1 @ ¼	.74	27.0	2	54	90
STR2060A	60"	3500	1805	2726	2 @ ¼	1.18	74.0	3	70	116
STR2072A	72"	3500	1965	3624	2 @ ¼	1.36	71.9	4	84	130
NSF CERTIFIED - CUSTOMER ENTRY MODELS										
STN1036A	36"	3500	1965	1812	1 @ ¼	.68	71.9	2	50	69
STN1042A	42"	3500	1716	1752	1 @ ¼	.75	78.6	2	52	78

* Two blower system ** Three blower system

† AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

MOTOR VOLTAGES/AMP DRAWS					
Horsepower	3/4	3/4	3/4	1/2	1/2
Speed	1	1	1	3	3
Volts	120	208/240	480	120	208/240
Phase	1	1	1	1	1
Hertz**	50/60	50/60	50/60	50/60	50/60
Amps per Motor	7.5	3.8	1.8	7.2	4.0

**Operation at 50 Hz will generate approximately a 17% reduction in performance.

Sound level measured 10' (3m) from the unit in free field:

STF1036A 58 dBA
STR1036A & STN1036A 67 dBA

AMCA Seal applies to air performance only.

VELOCITY PROJECTION			
Model: STF1036A			
Distance from Nozzle (ft)	2	3	5
Core Velocity (fpm)	1555	1011	900
Model: STR1036A & STN1036A			
Distance from Nozzle (ft)	3	5	7
Core Velocity (fpm)	2060	1555	1300



Berner International Corporation certifies that the air curtains shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.
 Rated data shown is for base unheated units.



Berner reserves the right to alter specifications without prior notice.