



IFFT/IFFTe/IFFTe-20N/IFFTe-30N CENTRIFUGAL JET FAN



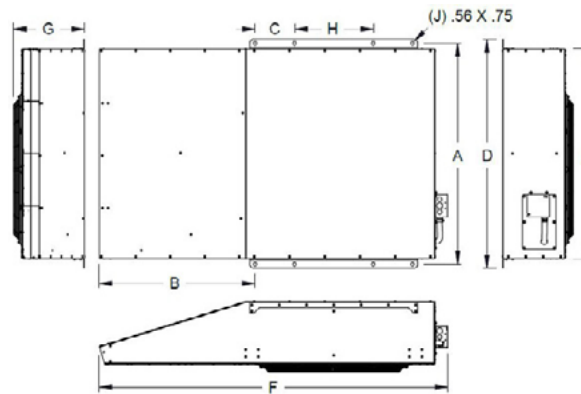
JET FAN



FEATURES

- Thrust air between 13 and 90N
- Airflow up to 5238 CFM
- cULus 705 Listed
- Available in 60 Hz; 230V, 460V, and 575V
- IFFTe available in 3PH 380~480V & 1PH 208~277V
- IFFTe uses an EC motor for extra efficiency
- IFFT uses an AC motor
- Galvanized sheet steel housing
- Industry Best 2-year housing warranty, 1-year motor

DIMENSIONS



MODEL	A	B	C	D	E	F	G	H	J	WT (LB)
IFFT-20N	33-1/4	11	6	34-3/4	31-1/2	24	6	6	6	80
IFFT-30N	48-1/8	17-1/8	8-1/4	49-3/4	46-1/8	36-1/8	9-3/4	8-1/4	6	136
IFFT-50N	33-7/16	22-1/2	10-13/16	35	31-5/8	50-7/8	12-3/16		6	168
IFFTe-50N-1PH	33-7/16	22-1/2	10-13/16	35	31-5/8	50-7/8	15		6	168
IFFT-75N	41-5/16	29-1/4	7-3/8	42-7/8	39-1/2	65-3/8	12-13/16	14-3/4	8	265
IFFT-100N	41-5/16	29-1/4	7-3/8	42-7/8	39-1/2	65-3/8	14-13/16	14-3/4	8	265

NOTE: All dimensions shown are in inches.

* Approximate unit weight includes an average cataloged motor and no crating.

PERFORMANCE

IFFT MODEL	RPM	THRUST (N)	FLOW (CFM)	NOMINAL POWER (kW)	FULL LOAD CURRENT 230V (A)	FULL LOAD CURRENT 460V (A)	FULL LOAD CURRENT 575V (A)	FREQUENCY (Hz)	SOUND LEVEL (LwA)	SOUND PRESSURE* (dBA) 5 FT
IFFT-50N	1650/855	47/13	3384/1754	1.5/0.22	6.13/ 2.06	3.07/1.03	2.45/0.82	60	95/79	83/66
IFFT-75N	1715/865	72/18	4709/2366	2.5/0.45	9.69/3.18	5.12/1.61	4.10/1.29	60	97/82	85/70
IFFT-100N	1715/865	90/23	5238/2631	2.5/0.45	9.69/3.18	5.12/1.61	4.10/1.29	60	98/82	86/69

* Sound pressure, at 5' hemispherical, in free field conditions, for comparison.

** Full Load Current based on unit testing, motor rated aperature may be higher



IFFT/IFFTe/IFFTe-20N/IFFTe-30N CENTRIFUGAL JET FAN



PERFORMANCE, continued

IFFT MODEL	RPM	THRUST (N)	FLOW (CFM)	NOMINAL POWER (kW)	FULL LOAD CURRENT 230V (A)	FULL LOAD CURRENT 460V (A)	FULL LOAD CURRENT 575V (A)	FREQUENCY (Hz)	SOUND LEVEL (LwA)	SOUND PRESSURE* (dBA) 5 FT
IFFTe20	1965	20	1600	.48	3.6 / 1.75 (277V)			50/60	87	69
IFFTe30	2000	30	3255	1.14	7.2			60	85	67
IFFTe50	1800	51	3692	1.5		3.0		50/60	96	85
IFFTe-50N-1PH	1800	51	3692	1.7	13.5/12.8/10.1			50/60	96	85
IFFTe75	1800	76	4942	3.0		6.0		50/60	97	86
IFFTe100	1800	94	5498	3.0		6.0		50/60	98	87

* Sound pressure, at 5' hemispherical, in free field conditions, for comparison.

** Full Load Current based on unit testing, motor rated average may be higher

SOUND DATA IFFT

4 POLE										
IFFT	63	125	250	500	1K	2K	4K	8K	LwA	SONES
50	63	75	87	90	90	88	82	75	95	35
75	64	77	88	91	93	90	83	80	97	40
100	69	79	91	92	94	90	84	79	98	43

8 POLE										
IFFT	63	125	250	500	1K	2K	4K	8K	LwA	SONES
50	52	68	69	75	73	70	63	54	79	13
75	54	66	70	79	76	74	67	57	82	15
100	55	69	71	79	75	72	65	54	82	14

SOUND DATA IFFTe

4 POLE										
IFFTe	63	125	250	500	1K	2K	4K	8K	LwA	SONES
20	70	78	78	84	81	80	75	74	87	23
30	74	90	82	79	79	80	72	65	85	22
50	65	75	89	92	92	90	85	78	96	40
75	65	77	89	92	94	91	85	81	97	43
100	70	79	92	93	95	91	85	80	98	45