

Fan Components and Material Properties

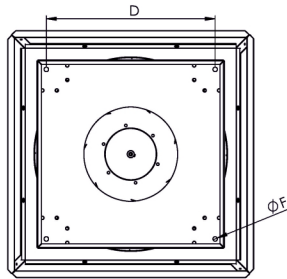
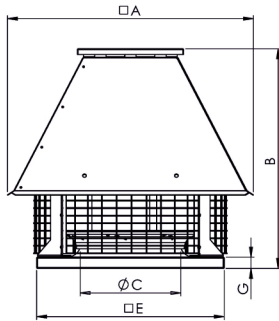
ARS-CTF-2 series vertical centrifugal roof type radial fans Body, mounting plate and models ARS-CTF-2 280-400 fan impellers made of galvanized sheet steel, models of ARS-CTF-2 450-560 fan impellers made of aluminum sheet and models ARS-CTF-2 630-800 made of electrostatic powder coated sheet steel it was. Asynchronous motor is used in all models. The motor is out of airflow. The device is capable of carrying air at max. 120°C.

Fan Structure

The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently aligned fins with the insertion technique, while the fan wheels of the models ARS-CTF-2 630-800 are manufactured from the necessity of high strength.

Technical Drawing and Tables

TYPE	A	B	C	D	E	F	G
ARS-CTF-2 280	522	495	165	354	404	10	30
ARS-CTF-2 315	595	555	198	404	454	10	30
ARS-CTF-2 355	656	555	234	450	500	10	30
ARS-CTF-2 400	656	585	268	450	500	12	30
ARS-CTF-2 450	656	616	303	530	580	12	44
ARS-CTF-2 500	766	660	342	590	640	12	44
ARS-CTF-2 560	828	723	380	650	700	12	44
ARS-CTF-2 630	997	922	445	660	730	12	54
ARS-CTF-2 710	1095	991	500	710	780	12	54
ARS-CTF-2 800	1205	1172	542	850	900	12	54



TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	INSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(μF)	D/dak	m³/h	dB(A)	iz. Kl.	IP	Kg
ARS-CTF-2 280M	230	50	0,25	2,1	10	1390	1000	53-45	F	55	35
ARS-CTF-2 315M	230	50	0,25	2,1	10	1380	1950	53-45	F	55	42
ARS-CTF-2 355M	230	50	0,25	2,1	10	1380	2900	55-47	F	55	50
ARS-CTF-2 400M	230	50	0,37	3,4	15	1390	4000	60-52	F	55	55
ARS-CTF-2 450M	230	50	0,55	4,5	20	1365	5550	62-54	F	55	62
ARS-CTF-2 500M	230	50	1,1	7,5	35	1410	8300	64-56	F	55	68
ARS-CTF-2 560M	230	50	2,2	14,2	50	1420	10800	66-58	F	55	75
ARS-CTF-2 280T	380	50	0,25	0,87	-	1380	1000	53-45	F	55	35
ARS-CTF-2 315T	380	50	0,25	0,87	-	1380	1950	53-45	F	55	42
ARS-CTF-2 355T	380	50	0,25	0,87	-	1380	2900	55-47	F	55	50
ARS-CTF-2 400T	380	50	0,37	1,2	-	1390	4000	60-52	F	55	55
ARS-CTF-2 450T	380	50	0,55	1,6	-	1365	5550	62-54	F	55	62
ARS-CTF-2 500T	380	50	1,1	2,6	-	1410	8300	64-56	F	55	68
ARS-CTF-2 560T	380	50	2,2	4,9	-	1420	10800	66-58	F	55	75
ARS-CTF-2 630T	380	50	3	6,6	-	1000	13000	60-52	F	55	127
ARS-CTF-2 710T	380	50	4	8,4	-	1000	15000	63-55	F	55	150
ARS-CTF-2 800T	380	50	7,5	15,4	-	1000	17000	67-59	F	55	216

The sound level is measured at a distance of 4-10 m in open field condition.