



Roof Radial Fans - WPA-D-UL

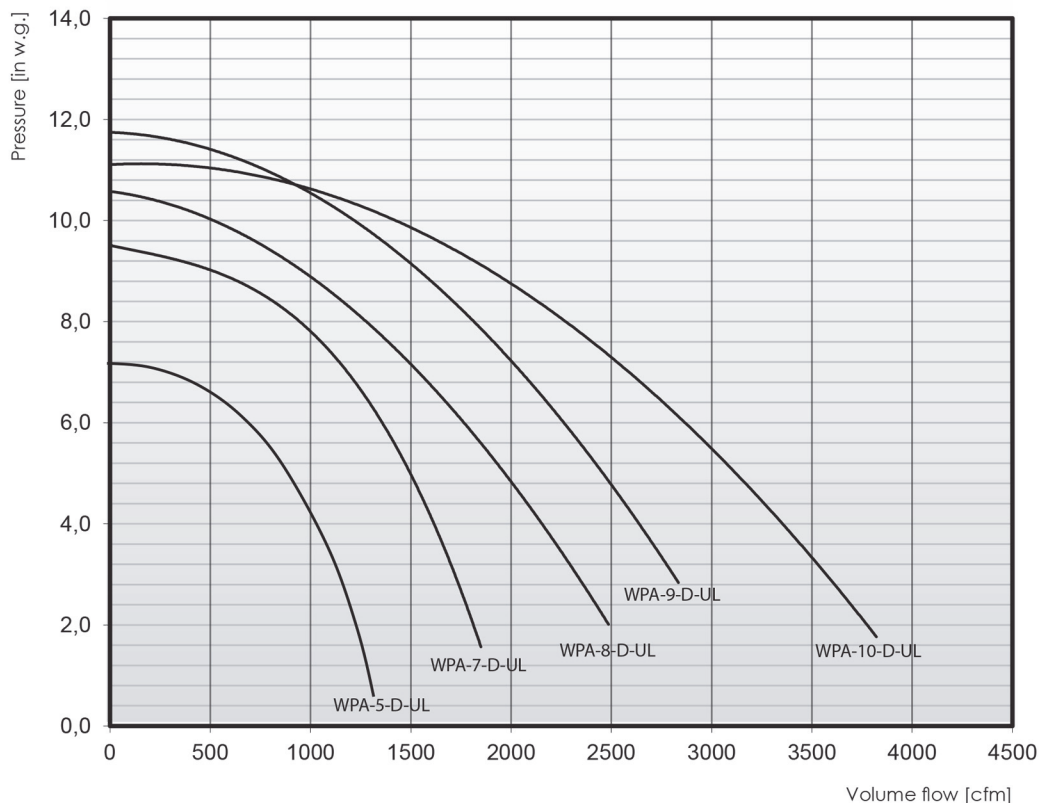


Application

First of all, those fans are designed for local ventilation. They are installed outside the buildings (outdoor application), on roof bases or on wall brackets. As they can overcome significant air flow resistances, they are particularly efficient within installations of local exhausts.

Structure

The fan consists of a spiral steel housing, motor and a steel hood. The aluminium radial impeller is directly installed at the motor shaft. Impeller blades cross-section reminds the profile of an aeroplane wing, providing low acoustic pressure level. The fan inlet is equipped with a flange to install it on a roof base or on wall bracket. Typical feature of the fan is a silencer fastened at the fan outlet of its spiral housing, directed horizontally. For safety reason, the inlet and outlet are equipped with a protective grill. It is recommended to install a TK silencer at the fan inlet.





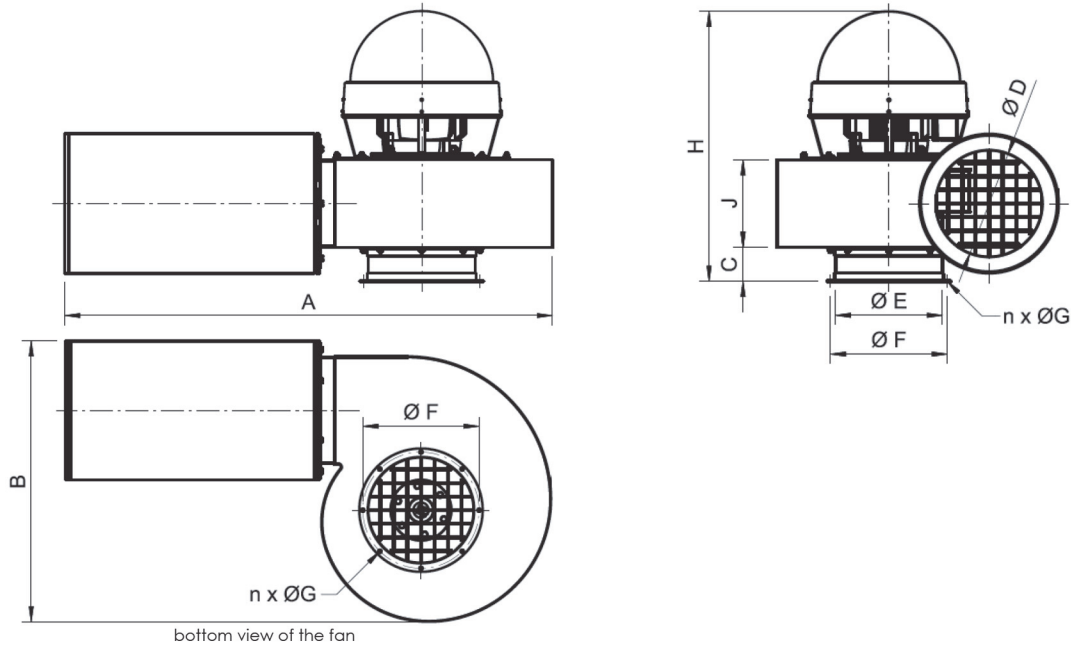
Technical Data

Type	Part.No	Synchronous rotations [rpm]	Supply voltage [V]; 60 Hz	Motor rate [HP]	Ingress protection IP	Acoustic pressure level [dB(A)] from the distance of		Maximum volume flow [cfm]	Maximum vacuum [in w.g.]	Weight [lb]
						3.3 ft	16.5 ft			
WPA-5-D-1-UL	704W34	3600	120	1.0	54	80/75*	66/61*	1285	7.2	60
WPA-5-D-3-UL	704W35		3x208-230 3x460							
WPA-7-D-UL	704W36	3600	3x208-230 3x460	2.0	54	85/78*	71/63*	1849	9.5	74
WPA-8-D-UL	704W37	3600	3x208-230 3x460	3.0	54	85/79*	71/65*	2485	10.5	83
WPA-9-D-UL	704W38	3600	3x208-230 3x460	4.0	54	87/82*	73/68*	2834	11.8	117
WPA-10-D-UL	704W39	3600	3x208-230 3x460	5.0	54	89/89*	75/69*	3821	11.1	163

1. Maximum temperature of the conveyed air is +140°F. Maximum temperature within the work area +104°F.

2. Maximum dustiness of the conveyed air should not exceed 0,3 oz/ft³.

*Measurements have been carried out with the additional TK L=19.7 inch silencer installed at the fan inlet.



Dimensions

Type	A [in]	B[in]	C [in]	D [in]	E [in]	F [in]	n [pc.]	G [in]	H [in]	J [in]
WPA-5-D-UL	35.6	20.6	2.4	6.3	6.3	7.6	6	0.3	20.5	5.5
WPA-7-D-UL	37.0	22.4	2.4	7.9	6.3	7.6	6	6.5	(22.0) 22.8	6.1
WPA-8-D-UL	39.0	23.6	2.4	7.9	7.9	8.8 9.2 9.7	8 6 8	0.4 0.3 0.4	(24.0) 24.6	6.1
WPA-9-D-UL	40.5	26.2	2.4	7.9	7.9	8.8 9.2 9.7	8 6 8	0.4 0.3 0.4	(24.8) 25.4	6.1
WPA-10-D-UL	41.1	26.6	3.9	9.8	9.8	10.8	8	0.4	29.3	9.3