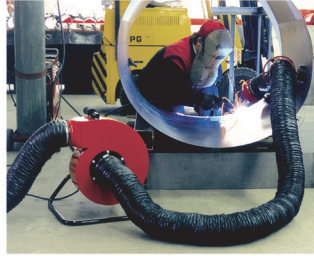




## Portable radial fans - WPA-P-UL



Portable fan working with a magnetic hood during the welding process.



Portable fan applied for drying a humid wall.

### Application

Principally, portable radial fans are meant for use in air-supply- or extraction ventilation systems of rooms and workplaces. They can be applied, both for general ventilation and local exhausts (technological extraction). Additionally, WPA-P-UL fans can be applied for drying the humid rooms by forcing the multiple air exchanges.

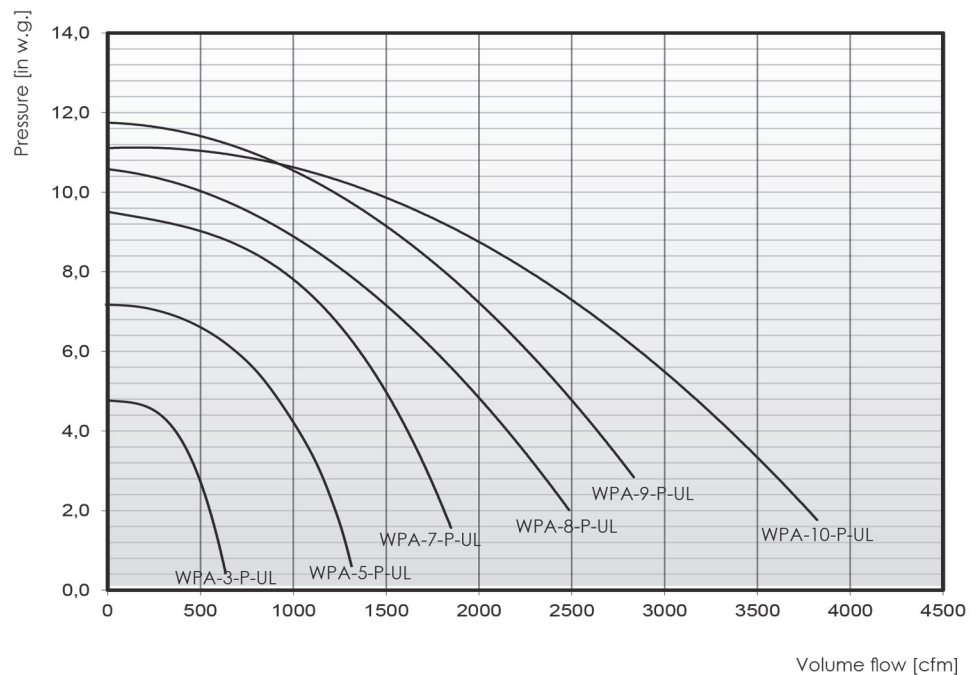
### Structure

The fan consists of a steel spiral housing, a motor and a base framework. Its aluminium radial impeller is directly installed on the motor shaft (direct drive). The cross-section of the impeller blades reminds the profile of an aeroplane wing, providing low acoustic pressure level of the fan. For safety reasons, the inlet and outlet are equipped with protective grill and are adapted for fastening the flexible hoses (by means of hose clamps).

As standard, the fans are equipped with motor starters. Each fan is supplied with a 16 feet-long cable.

### Operational Use

In case of local extraction ventilation, it is important to fasten a flexible hose (of appropriate diameter) to the fan inlet. Additionally, the hose must have a suitable suction nozzle attached at its end. Example of application of a magnetic hood is illustrated in a photograph. In case of general ventilation, User ought to supply a hose into the ventilated room, whereby the hose must be connected to the suction ferrule or outlet ferrule of the fan.





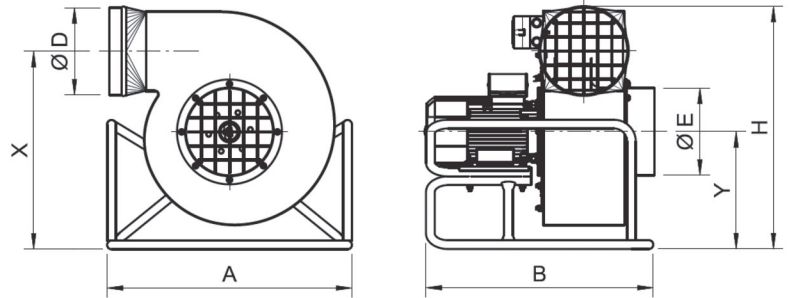
## Technical Data

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 wg]	Weight [lb]
						3.3 ft	16.5 ft			
WPA-3-P-1-UL	704W40	3600	120	0.75	54	73/65*	59/51*	635	4.8	34
WPA-3-P-3-UL	704W41		3x208-230 3x460							
WPA-5-P-1-UL	704W42	3600	120	1.0	54	84/75*	70/61*	1285	7.2	50
WPA-5-P-3-UL	704W43		3x208-230 3x460							
WPA-7-P-UL	704W44	3600	3x208-230 3x460	2.0	54	89/77*	75/63*	1849	9.5	69
WPA-8-P-UL	704W45	3600	3x208-230 3x460	3.0	54	89/79*	75/65*	2485	10.5	77
WPA-9-P-UL	704W46	3600	3x208-230 3x460	4.0	54	91/82*	77/68*	2834	11.8	117
WPA-10-P-UL	704W47	3600	3x208-230 3x460	5.0	54	93/89*	79/69*	3821	11.1	159

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/ft<sup>3</sup>.


\* Noise level has been measured with the TK L=19.7 inch silencer, attached at the inlet and outlet of the fan (for the WPA-3-P-UL the TK L=14.6 inch is applied).




## Dimensions

Type	A [in]	B [in]	D [in]	E [in]	X [in]	Y [in]	H [in]
WPA-3-P-UL	465	425	125	125	365	215	480
WPA-5-P-UL	475	435	160	160	435	245	530
WPA-7-P-UL	615	515	200	160	490	300	590
WPA-8-P-UL	615	515	200	200	500	300	605
WPA-9-P-UL	700	650	200	200	580	340	685
WPA-10-P-UL	700	650	200	200	580	350	710


## Magnetic hoods

 Magnetic hoods	Type	Part.No	Diameter [in]
	SM-125	818S01	4.92
	SM-160	818S02	6.30
	SM-200	818S03	7.87

## Magnetic holder of the hose

 magnetic holder for the flexible hose	Type	Part.No	Diameter [in]
	PSM-125	818P01	4.92
	PSM-160	818P02	6.30
	PSM-200	818P03	7.87

## Suction stand

	Type	Part.No	Inlet diameter [in]	Connection diameter [in]
	S-152	818S04	7.87	5.98

See Section "Ventilation Accessories"



flexible hose ST/MP