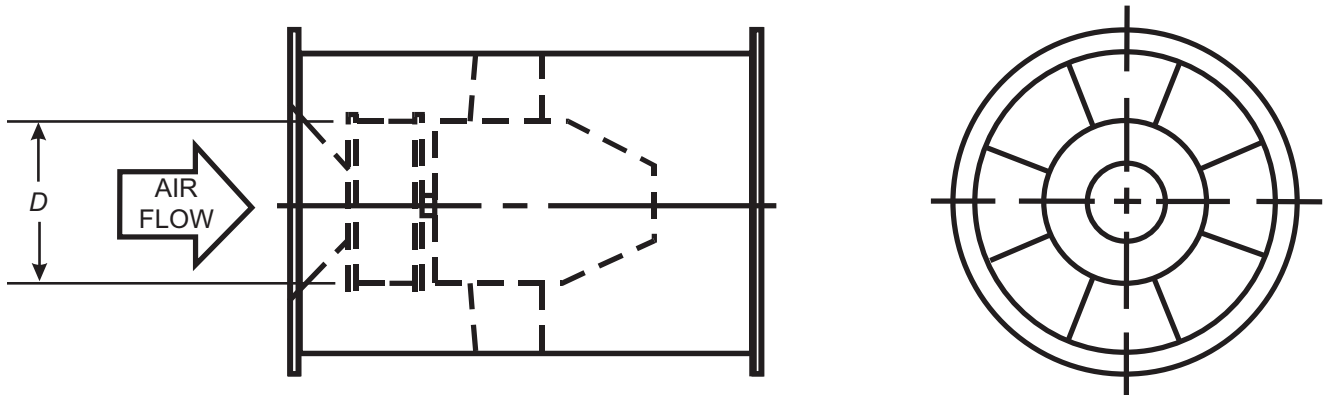


2414 _ Impeller Diameters & Outlet Areas for Tubular Centrifugal Fans



Outlet Area Maximum (πr^2)	Impeller Diameter <i>D</i>		Outlet Area Maximum (πr^2)
m ²	mm	inches	ft ²
0.145	311	12.25	1.55
0.149	*315		
0.176	343	13.50	1.89
0.189	*355		
0.218	381	15.00	2.33
0.240	*400		
0.263	419	16.50	2.82
0.304	*450		
0.322	464	18.25	3.45
0.375	*500		
0.387	508	20.00	4.14
0.470	*560		
0.479	565	22.25	5.12
0.581	622	24.50	6.21
0.595	*630		
0.705	686	27.00	7.54
0.756	*710		
0.871	762	30.00	9.31
0.960	*800		
1.054	838	33.00	11.27
1.215	*900		
1.289	927	36.50	13.79
1.500	*1000		
2.568	1022	40.25	16.77
1.882	*1120		
1.916	1130	44.50	20.49
2.324	1245	49.00	24.85

Notes:

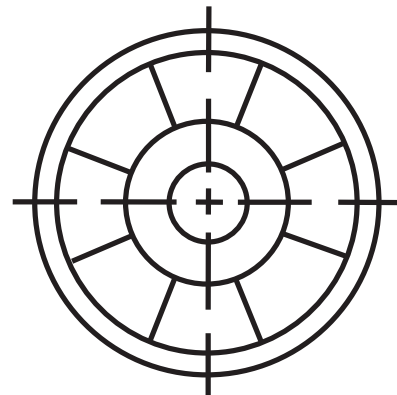
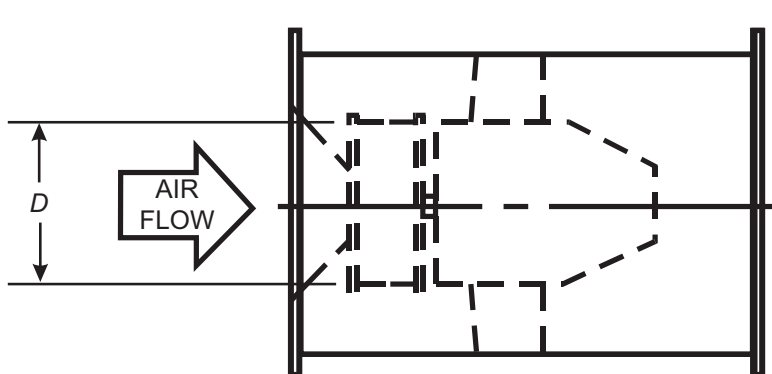
1. Precise outlet area=

$$\text{SI: } OA(\text{m}^2) = 1.5 \times 10^{-6} (D(\text{mm}))^2$$

$$\text{I-P: } OA(\text{ft}^2) = 1.034941 \times 10^{-2} (D(\text{in.}))^2$$

2. A fan conforming to this Standard shall not exceed the impeller diameter or maximum outlet area shown.
3. Outlet areas in SI and I-P units are not exactly equal due to rounding of sizes in the respective systems.

*Preferred sizes in SI and conforming to ISO 13351.



Outlet Area Maximum (πr^2)	Impeller Diameter <i>D</i>		Outlet Area Maximum (πr^2)
m ²	mm	inches	ft ²
2.344	*1250		
2.848	1378	54.25	30.46
2.940	*1400		
3.484	1524	60.00	37.26
3.840	*1600		
4.215	1676	66.00	45.08
4.860	*1800		
5.157	1854	73.00	55.15
6.000	*2000		
6.310	2051	80.75	67.48
7.526	*2240		
7.665	2261	89.00	81.98
9.342	2496	98.25	99.90
9.375	*2500		
11.445	2762	108.75	122.40
11.760	*2800		
13.935	3048	120.00	149.03
14.884	*3150		
16.990	3366	132.50	181.70
18.904	*3350		

Notes:

1. Precise outlet area=

$$\text{SI: } OA(\text{m}^2) = 1.5 \times 10^{-6} (D(\text{mm}))^2$$

$$\text{I-P: } OA(\text{ft}^2) = 1.034941 \times 10^{-2} (D(\text{in.}))^2$$

2. A fan conforming to this Standard shall not exceed the impeller diameter or maximum outlet area shown.
3. Outlet areas in SI and I-P units are not exactly equal due to rounding of sizes in the respective systems.

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