

Ø 300



- **Material:** Guard grille: Steel, phosphated and coated in black plastic (RAL9005)
Blades: Steel, zinc-galvanised and coated in black plastic (RAL9005)
Wings:     Plastic PP:     Sheet steel, coated in black
Rotor: Surface coated in black
- **Number of blades:** 5
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 44, depending on installation and position (acc. to EN 60034-5)
- **Insulation class:**  "F",    "B"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharge holes:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve										Electr. connection	
Type	Motor	VAC	Hz	rpm	Speed/rpm	Input power	current draw	Capacitor	Max. back pressure	Perm. amb. temp.	Mass without attachments		
*2D 300 ⁽²⁾	M2D 074-DF	④ 3~230/400	50	2580	210	0.62/0,36	---	---	200	-25,+75	3,1		
		④ 3~230/400	60	2750	300	0.84/0,48	---	---	125	-25,+40	3,1		
*4D 300 ⁽¹⁾⁽²⁾	M4D 068-CF	④ 3~230/400	50	1300	68	0.25/0,14	---	---	60	-25,+60	1,6		
		④ 3~230/400	60	1400	90	0.26/0,15	---	---	70	-25,+55	1,6		
*2E 300	M2E 074-DF	④ 1~230	50	2700	230	1~10	8,0/400	200	-25,+50	3,1			
		④ 1~230	60	3000	350	1~55	8,0/400	50	-25,+40	3,1			
*4E 300 ⁽¹⁾	M4E 068-CF	④ 1~230	50	1320	72	0,32	2,0/400	60	-25,+50	2,7			
		④ 1~230	60	1500	90	0,40	2,0/400	60	-25,+50	2,7			
(1) Nominal data is operating point with maximum load and 230 or 400VAC (2) 230 VAC, Δ / 400 VACy													
subject to alterations													

The figure illustrates a noise assessment example. It includes a graph of sound pressure level (p) in dB(A) versus frequency (f) in Hz, a table of noise levels at different distances, and a table of noise levels at different distances.

Graph Data (Estimated from Figure 10):

Frequency (f) [Hz]	Sound Pressure Level (p) [dB(A)]
125	180
160	160
200	140
250	120
315	100
400	80
500	60
630	40
800	20
1000	10
1250	0
1600	-10
2000	-20
2500	-30
3150	-40
4000	-50
5000	-60
6300	-70
8000	-80
10000	-90

Table 1: Noise levels at different distances (from Figure 10)

Distance (m)	Sound Pressure Level (p) [dB(A)]
1	120
2	110
3	105
5	100
10	90
20	80
30	75
50	70
100	60
200	50
300	45
500	40
1000	30
2000	20
3000	15
5000	10
10000	0

Table 2: Noise levels at different distances (from Figure 10)

Distance (m)	Sound Pressure Level (p) [dB(A)]
1	120
2	110
3	105
5	100
10	90
20	80
30	75
50	70
100	60
200	50
300	45
500	40
1000	30
2000	20
3000	15
5000	10
10000	0

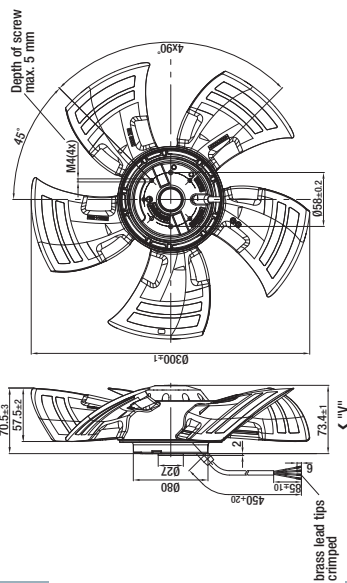


AC axial fans - HyBlade®

Ø 300 with motor M4* 068, drawings for direction of air flow "V"

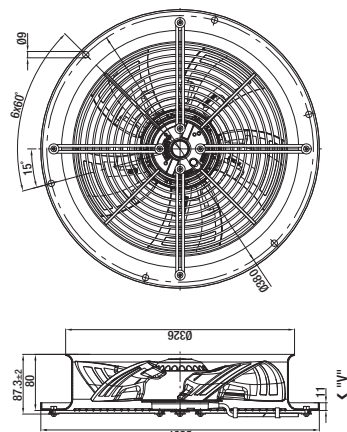
Without attachments

Typ	Mass kg
A4D 300-AS34 -01	1,6
A4E 300-AS72 -01	2,7



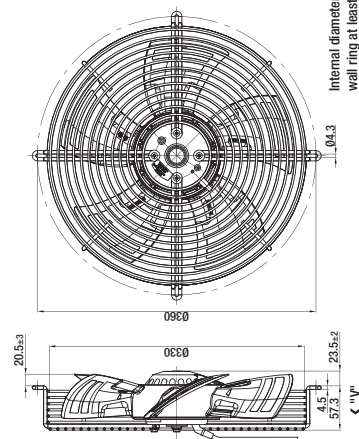
With full round nozzle

Typ	Mass kg
W4D 300-SS34 -30	3,85
W4E 300-GS72 -30	4,1

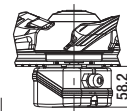


With guard grille for short nozzle

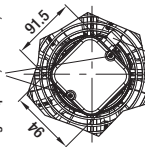
Typ	Mass kg
S4D 300-AS34 -30	2,60
S4E 300-AS72 -30	2,85
S4D 300-AS34 -50*	2,75
S4E 300-AS72 -50*	3,00



*Type with terminal box:



Tightening torque: 0,7 Nm ± 0,2 Nm



Cable diameter: max. 7,5 mm
Tightening torque: 1,3 Nm ± 0,2 Nm

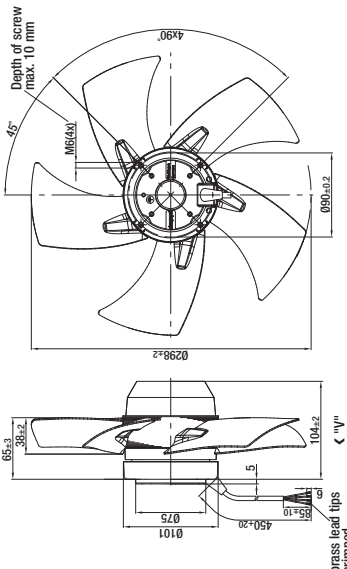


AC axial fans

Ø 300 with motor W2* 074, drawings for direction of air flow "V"

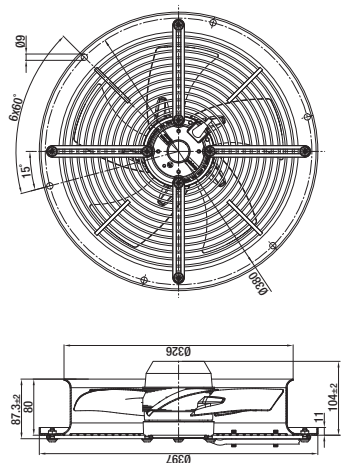
Without attachments

Typ	Mass kg
A2D 300-AP02 -01	3,1
A2E 300-AP02 -01	3,1



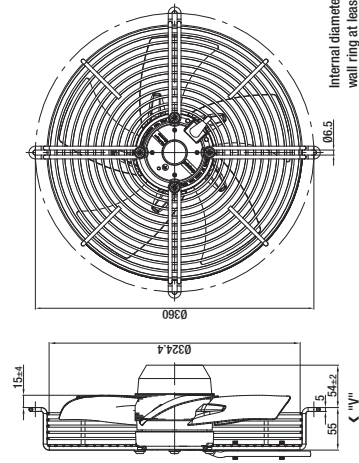
With full round nozzle

Typ	Mass kg
W2D 300-CP02 -30	5,2
W2E 300-CP02 -30	5,2

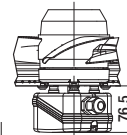


With guard grille for short nozzle

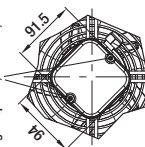
Typ	Mass kg
S2D 300-AP02 -30	4,10
S2E 300-AP02 -30	4,10
S2D 300-AP02 -50*	4,25
S2E 300-AP02 -50*	4,25



*Type with terminal box:



Tightening torque: 0,7 Nm ± 0,2 Nm



Cable diameter: max. 7,5 mm
Tightening torque: 1,3 Nm ± 0,2 Nm