

Enquiry sheet radial fans



Company address:

Customer no.: _____

Date: _____
Contact person: _____
Phone: _____
Fax: _____
E-Mail: _____

1. Design data:

Quantity _____ radial fans

Handled gas _____

Application _____

		Design	min	max	
1.1	Altitude of installation	h			m.ü.N.N.
1.2	Ambient temperature	t_0			°C
1.3	Temperature of handled gas	t_1			°C
1.4	Density at norm conditions	ρ_N			kg/m ³
1.5	Density at operating conditions	ρ_1			kg/m ³
1.6	Volume flow at norm conditions	V_N			Nm ³ /min
1.7	Volume flow at operating cond.	V_1			Bm ³ /min
1.8	Static pressure increase	Δp_{st_1}			daPa
1.9	Static pressure	p_{st_1}			daPa

Index 1 = Inlet / Index 2 = Outlet

- 1.12 Molecular weight $M =$ _____ kg/kmol
 1.13 Gas constant $R =$ _____ J/kg K
 1.14 Solid content conveyed with handled gas
 Designation: _____
 1.15 Mass flow of solid content:
 = _____ kg/h
 Bulk density:
 = _____ kg/m³
 Condition: sticking wet dry aggressive abrasive explosive
 1.16 Gas analysis
 _____ % _____
 _____ % _____
 _____ % _____
 _____ % _____
 _____ % _____

2. Drive:

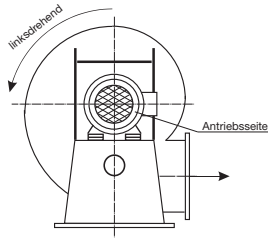
- 2.1 Electric motor _____ Other drive _____ (e.g. turbine, trial spin drive, etc.)
 2. Fan speed $n =$ _____ min⁻¹
 Motor speed $n =$ _____ min⁻¹
 2.5 Designed for frequency converter operation yes _____ no _____
 2.6 Voltage $U =$ _____ V, Frequency $f =$ _____ Hz, Protection class: _____
 Insulation class: _____, Efficiency class: _____
 2.7 Desired motor power $P_M =$ _____ kW
 2.8 Motor supplied by Reitz _____ Motor supplied & delivered by customer _____ Motor supplied & NOT delivered by customer _____
 2.9 Other: _____

3. Design:

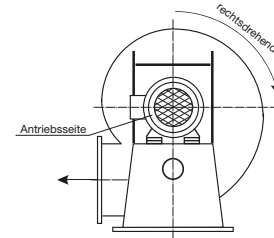
- 3.1 Fan: single inlet _____ double inlet _____
 3.2 Drive: direct _____ coupling _____ v-belt _____
 3.2 Shaft: overhung _____ center hung _____
 3.3 Lubrication: grease _____ oil _____ oil circulation _____
 3.4 Tightness: normal _____ liquid- / dust-tight _____ gastight _____
 3.5 Control via inlet guide vane _____ louvre damper _____ damper _____ frequency converter _____
 Actuator electric _____ pneumatic _____ manually _____
 3.6 Fan housing one-piece housing _____ split housing _____
 3.7 Connection flanges acc. to DIN _____
 3.8 Wear protection yes _____ no _____ (please fill in item 1.15)
 3.9 ATEX design yes _____ no _____ (see separate questionnaire „ATEX“)
 3.10 Special design pressure shock proof up to _____ bar _____ pressure resistant up to _____ bar _____

4. Position:

counterclockwise
(e.g. GL 270°)



Viewed from the driven end on the fan housing
(see separate questionnaire „Order details“)



clockwise
(e.g. GR 270°)

4.1 Position description: _____

4.1 Position description: _____

5. Material (minimum requirement):

5.1 Impeller: _____

5.2 Housing: _____

The desired material will be reviewed by us with regard to the technical demand of the fan. For certain technical conditions the desired material might not be feasible. In this case we will offer an alternative material.

6. Surface treatment:

6.1	manual derusting	internal	external
6.2	sandblasting	internal	external
6.3	primary coat	internal	external
6.4	coating RAL _____	internal	external
6.5	special surface protection _____		
6.6	rubber-coated		
6.7	hygienic design	roughness _____ μm	
6.8	Other: _____		

7. Accessories:

7.1	Anti-vibration mounts	
7.2	Flexible connections	Chutes
	Counter flanges	
	at inlet	at discharge
7.3	Inlet nozzle	Inlet protection screen
	Inlet filter	
7.4	Inspection opening	Drain
7.5	Additional base frame	
7.6	Transition piece	
7.7	Backstop	Brake
7.8	Vibration monitoring (one side or both sides)	
	Bearing temperature monitoring	
	Speed monitoring	
7.9	Terminal box	
7.10	Other: _____	

8. Sound protection:

9.1	A-wei. sound power level	$L_{WA} =$	_____ dB[A]
9.2	A-wei. measuring surface	$L_{pA} =$	_____ dB[A]
	sound pressure level		
	with		
9.2.1	both sides ducted		
9.2.2	free inlet		
9.2.3	free discharge		
9.2.4	in _____ m distance from:		_____
9.3	required sound insulation		
	silencer		housing insulation
	acoustic motor hood		acoustic bearing hood
	sound protection cabin with air condition		

9. Installation:

10.1	outside	inside
10.2	in steel structure	
10.3	on steel pedestal	on concrete foundation

10. Documentation:

10.1	Language _____
	digital _____ -fold
	hard copy _____ -fold

11. Inspections:

11.1	Performance test
11.2	Vibration test
11.3	Other: _____

12. Transport (Incoterms FCA):

8.1	Transport via:	Truck	Ship
8.2	Packing:	Reitz Standard	
		seaworthy	container
8.3	Other: _____		