

		delivery date	17.12.2015 51/2015	
		delay penalty		
		final inspection		
Customer-No.	416064	completion date	15.12.2015	
Customer	Claudius Peters	manufacturing	12.11.2015/01.12.2015	
Address	DE-21614 Buxtehude	AV	03.11.2015 (1)	
Order-No.	02-69348	EK	02.11.2015 (1)	
Com.-No.	1/211928	TB 2	02.11.2015	
Project	KKS-Nr.: 210 AC21	Konstr.	30.10.2015 (1)	
Delivery address	AKF Siemens Nordpack	TB 1	29.10.2015 (1)	
	DE-22113 Hamburg	date of order	13.10.2015 1200/19	
In charge	Customer Mr. Peters	Quotation	Order Karin Schaper-111	
Fan type	MXE 080-000930-00	P/n No. 7	Position of discharge GL 270 Position of IO at degree	
Design / Operating data (2)				
Operating mode		pressure operation		
Handled gas		air		
		Rated data	Calculated data	Operation point(s)
Characteristic curveno.	1		OP1	
Inlet temperature	̘	20	40	°C
Altitude	h			m a.s.l.
Abs. pressure	Pa	10132	10133	daPa
Density, atm.	ρa	1,205	1,128	kg/m³
Density, inlet	ρ1	1,205	1,128	kg/m³
Inlet volume	V1	9,0	6,7	m³/min
Total pressure increase	Δpt2	800	737	daPa
	Δpt1			daPa
Pressure loss, discharge	pd2	8	4	daPa
Pressure loss, inlet	pd1		3	daPa
Static pressure, discharge	pst2	792	735	daPa
Static pressure, inlet	pst1			daPa
Required power-shaft	Pw2	2,63	2,05	kW
Required power-shaft	Pw1			kW
Recomm.power,motor	PM	5,50	5,50	kW
E-motor speed	nM	2950		rpm
Impeller speed	nL	2900	2900	rpm
Class of accuracy acc. to DIN 24166		2	2	2
Connections		Identification data		
Inlet	DN	140	Product catalogue	L-2012
Flange acc. DIN	Standard	DIN 24154 R2	Dimension sheet	
Connection design		flange mounted	Revised dimension sheet	
	Dimension	f= 182 f1=	General arrangement drawing	UG00000029860-04
Discharge	DN or B1/B2	100x 125	Customer drawing	
Flange acc. DIN	Standard	DIN 24193 R3	Parts list - fan	MXE000
Connection design		flange mounted	Pedestal drawing	KME328166
	Dimension	a1= 490 a2=	Impeller drawing	LRE328166
	Dimension	d1=	Impeller design	DN1 SFV 1.0
E-motor data (4)		Start-up data		
Power	5,50		Moment of inertia	1,29 kgm²
Speed	2950		Fan load torque	8,67 Nm
Voltage	400D		Rated motor torque (a)	17,81 Nm
Frequency	50		Relation b:a	1,8 ---
Protect.type/class of ins.	IP55	FB	Locked-rotor torque (b)	32,06 Nm
Frame size	132S	IMB3	Start-up time	14,1 s
Explosive protection	no		Starting current	69,3 A
Thermistors	3 pcs	IE2	Main voltage	400 V
VIK design	no			
Special design				
Weight / Motor-No.		Start-up condition		
Weight / Motor-No.	39,0	UD1511/75459786-001	Start-up type:	damper closed
Make / Type	Siemens	1LE1001-1CA03-4AB4	Wiring:	direct delta
Motor supply	supplied by Reitz			
FC operation	no			
var.speed control range				
Noise data (1)				
A-weighted total sound power level inlet/discharge		LWAi2/ L WAI1	108 / 97	dB (A)
A-weighted housing sound power level		LWAa	90	dB (A)
A-weighted measuring surface sound pressure level		LPA	75	dB (A)
Correction value for A-weighting		ΔLKA	6	dB (A)
Measuring surface dimension		Ls	15	dB
A-weighted free inlet resp. free discharge sound pressure level at 1 m distance		LPA5/ LPA6	88 / 99	dB (A)
Special design of fan				
Design-Temperature	-20°C up 80°C			
Sealing	normal			
Pressure-resistant and shock-proof	no			
Housing insulation	none	ID=		
Housing splitting	no			
Housing design type				
Pedestal design type	1.1			



Serial-No.

328166

FAN DATA SHEET

Order-No.

328166-000

Material		Surface finish		microns	
Spiral housing	1.0038	Impeller - coating			
Scroll	1.0038	- derusting	manual derusting		
Impeller		- primer	RAL 7040 2K Deripox Grund		40
· Blades	1.0038	Housing inside - coating			
· Main plate	1.0038	- derusting	manual derusting		
· Shroud	1.0038	- primer	RAL 7040 2K Deripox Grund		40
Pedestal	1.0038	- intermediate coat	-----		
Shaft	%	- finish coat	-----		
		Housing outside - coating			
		- derusting	manual derusting		
Stress relief heat treatment impeller / sandblasting	no	- primer	RAL 7040 2K Deripox Grund		40
		- intermediate coat	-----		
		- finish coat	RAL 5003		40
		Colour code			
Surface and weights w/o equipment		Pedestal inside - coating			
Housing inside/outside	2,04	2,28	m ²	- derusting	manual derusting
total	4,32		m ²	- primer	RAL 7040 2K Deripox Grund
Insulation	1,93		m ²	- intermediate coat	-----
Impeller total	1,92		m ²	- finish coat	RAL 5003
Pedestal inside/outside	0,60	0,76	m ²	Pedestal outside - coating	
total	1,36		m ²	- derusting	manual derusting
Fan outside	7,60		m ²	- primer	RAL 7040 2K Deripox Grund
Impeller - weight	25,0		kg	- intermediate coat	-----
Weight without motor	118,1		kg	- finish coat	RAL 5003
Special techn. features (3) and equipment		Motor coat			
shaft seal REW101-100060-25	RWN0401-02				
anti-vibration mount (4)	SPZ420-050045, NR Shore 55				
mounting plate (4)	MPZ400-000050, galv.steel		Bearing I= 7		
foundation bolts	M12x40 acc.drawg. ISO4018		Single bearing hous. N-end		
flex.connection at dis. (1)	K1, -90°C, 0114		D-end		
transition piece at dis. (1)	100x 125-0114, L: 160		Anti-friction bearing N-end		
filter inlet RFF113-014014	140, horizontal, 1.0038		D-end		
U-tube manometer			Taper N-end		
speed monitoring	RTI0121-01		D-end		
		Fix ring			
		Fixed bearing position			
		Shaft			
		Special design of bearing			
		V-belt drive			
		Pulley - fan		mm	
		Finish bore		mm	
		Taper no.		--	
		Pulley - motor		mm	
		Finish bore			
		Taper no.		--	
		Design of belts		--	
		Length of belts		mm	
		Number of belts		--	
Labels and plates German/English/		Reitz		Special design of V-belt drive	
Customer's type code					
Packing without packing					
Shipment CPT Buxtehude - including packing		Coupling			
		Make		--	
		Type		--	
Marking see text		Size		--	
Shipment marks see text		Finish bore - shaft		mm	
		Finish bore - motor			
		Special design of coupling			
Remarks					
(1) Sound data:		Acc. DIN 45635 part 1 and 38 - free field condition. A-weighted sound pressure level LPA only with connected duct-work condition without consideration of motor noise.		at inlet and discharge under free field	
(2) Tolerance:		Tolerance with respect to class of accuracy in accordance DIN 24166 eta >= 0,9 x etamax. Coordination for class of accuracy (G-KL) see		in range of efficiency product specification.	
(3) Shaft seal:		Standard seal is not absolutely tight!			
(4) Motor:		Recommended E-motor is calculated for start-up with closed damper Please observe start-up conditions of our catalogue/techn. sheets.		and D.O.L. starting.	
Test remark					
Purchase		Planning engineering		Inspection / Test	
Date				Consignment control	
Name					