

Type : **A-LRZ9/315/500/1**

TECHNICAL DATA

				49.2 Hz @ VSD
Volume flow rate	V	m³/h	5.366	
Static pressure at ρ= 1,2 kg/m³	Δpsf	Pa	3.150	
Total pressure at ρ= 1,2 kg/m³	Δpt	Pa	3.370	
Static pressure at ρ= kg/m³	Δpsf	Pa		
Total pressure at ρ= kg/m³	Δpt	Pa		
Rated speed	n	1/min	2.877	
Impeller power at ρ= 1,2 kg/m³	Pr	kW	6,15	
Impeller power at ρ= kg/m³	Pr	kW		
Sound pressure, free field	Lp	dB(A)	633m	
for installation type D (ISO) calculated acc. to VDI			3731	
Sound pressure at free inlet		dB(A)	833m	
Fan weight (without motor) approx.		kg	103	
Inlet temperature t		°C	20	
maximum inlet temperature tmax		°C	40	

ERP 2015: Acc. EU regulation No 327/2011 (centr./B/total)
 Target efficiency / max. total eff. fan (w/o VSD) in %

Flow medium Air Dust free Add. air
 Ex-protection

for speed control: block resonance frequencies, max speed see above

Above techn. data are valid for fan w/o any accessories.
Sound pressure level @ silencer inlet opening area @ free field conditions, distance 1m/ 45°: LpA=85 dB(A)

INSTALLATION TYPE according to ISO 13349

- A -Free inlet, free outlet
- B -Free inlet, ducted outlet
- C -Ducted inlet, free outlet
- D -Ducted inlet and outlet

Exhaust position according to ISO 13349 **LG90**

MOTOR

Make	Standard IEC Motor
Type/Size	IE3W41R 132 SX2 / 132SX
Rated voltage U/Frequency f	V/Hz 3x400 / 50
Rated speed n approx.	1/min 2925
Rated power P	kW (acc. eff.-cl.) 7,5 (IE3)
Design/protection class	B3 / IP55
Motor weight approx.	kg 75
Classification	IEC 60034
Insulation class/utilised	F/
Rated current I/ Starting current I approx. A	14 / 8times

- Ex-protection
- Multi speed
- Direct-Connection with fan
- Thermistor protection 3-times Bearing with external lubrication
- Space heater
- terminal box on Top /loc. Mid,A o.B side
- without separate rating plate
- Standard paint system

OTHER REQUIREMENTS

Duct transition pieces and support structure for silencer installation/ assembly provided by the customer !

Contract basis: Without obligation. Tolerances acc. to ISO 13348, AN3
 General Conditions for the Supply of Products and Services of the [German] Electrical and Electronics Industry. Payment terms only after positive credit rating by Atradius Kreditversicherung. German law applies.

CENTRIFUGAL FAN

- Single inlet
- Direct drive, impeller mounted on motor shaft
- Belt drive
- Drive through elastic coupling
- Enclosed bearing lubr. for life
- Outdoor installation
- Shaft seal
- Split casing
- 1 x Shaft lining with felt seal disc

MAIN MATERIALS

Impeller, main mat.	S235JR+N
Casing	S235JR+N=RS137-2
Base frame/support	S235JR+N=RS137-2

SURFACE TREATMENT

Impeller	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing outside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing inside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Base frame/support	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -

N 64
62,4/73,0

- Motor
- Inlet spigot
- Cooling disc
- 1 x Drain plug 1/2"
- 1 x Protection grill inlet SG18,DIN24154,vz (z=0,55)
- Protection grill outlet
- Anti-spark lining (brass)
- 1 x Inspection opening ST

SEPARATE PARTS

- Documentation as attached
- 6 x Vibration attenuators ST.2y (rubber)
- Counter flange inlet
- Counter flange outlet
- Flex.connect. inlet
- Guide duct inlet
- 1 x Flex.connect. outlet LT200 U w.2cl.fl.vz
- 1 x Guide duct outlet size 315 RSt 372
- 1 x Supply air circular silencer Di/axL:315/515x800 mm

Type : **A-LRZ9C/355/500/1**

TECHNICAL DATA

48.8 Hz @ VSD

Volume flow rate	V	m³/h	6.761
Static pressure at ρ= 1,2 kg/m³	Δpsf	Pa	3.150
Total pressure at ρ= 1,2 kg/m³	Δpt	Pa	3.366
Static pressure at ρ= kg/m³	Δpsf	Pa	
Total pressure at ρ= kg/m³	Δpt	Pa	
Rated speed	n	1/min	2.880
Impeller power at ρ= 1,2 kg/m³	Pr	kW	7,44
Impeller power at ρ= kg/m³	Pr	kW	
Sound pressure, free field	Lp	dB(A)	633m
for installation type D (ISO) calculated acc. to VDI 3731			
Sound pressure at free inlet		dB(A)	823m
Fan weight (without motor) approx.		kg	131
Inlet temperature t		°C	20
maximum inlet temperature tmax		°C	40

ERP 2015: Acc. EU regulation No 327/2011 (centr./B/total)
Target efficiency / max. total eff. fan (w/o VSD) in %

Flow medium Air Dust free Add. air
Ex-protection

for speed control: block resonance frequencies, max speed see above

Above techn. data are valid for fan w/o any accessories.

Sound pressure level @ silencer inlet opening area @ free field conditions, distance 1m/ 45°: LpA=85 dB(A)

INSTALLATION TYPE according to ISO 13349

- A -Free inlet, free outlet
- B -Free inlet, ducted outlet
- C -Ducted inlet, free outlet
- D -Ducted inlet and outlet

Exhaust position according to ISO 13349 **LG90**

MOTOR

Make	Standard IEC Motor
Type/Size	IE3W41R 160 M2 / 160M
Rated voltage U/Frequency f	V/Hz 3x400 / 50
Rated speed n approx.	1/min 2950
Rated power P	kW (acc. eff.-cl.) 11 (IE3)
Design/protection class	B3 / IP55
Motor weight approx.	kg 125
Classification	IEC 60034
Insulation class/utilised	F/
Rated current I/ Starting current I approx. A	19,5 / 8times

- Ex-protection
- Multi speed
- Direct-Connection with fan
- Thermistor protection 3-times Bearing with external lubrication
- Space heater
- terminal box on Top /loc. Mid,A o.B side
- without separate rating plate
- Standard paint system

OTHER REQUIREMENTS

Duct transition pieces and support structure for silencer installation/ assembly provided by the customer !

Contract basis: Without obligation. Tolerances acc. to ISO 13348, AN3
General Conditions for the Supply of Products and Services of the [German] Electrical and Electronics Industry. Payment terms only after positive credit rating by Atradius Kreditversicherung. German law applies.

CENTRIFUGAL FAN

- Single inlet
- Direct drive, impeller mounted on motor shaft
- Belt drive
- Drive through elastic coupling
- Enclosed bearing lubr. for life
- Outdoor installation
- Shaft seal
- Split casing
- 1 x Shaft lining with felt seal disc

MAIN MATERIALS

Impeller, main mat.	S235JR+N
Casing	S235JR+N=RS137-2
Base frame/support	S235JR+N=RS137-2

SURFACE TREATMENT

Impeller	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing outside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing inside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Base frame/support	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -

N 64
63,2/76,9

- Motor
- Inlet spigot
- Cooling disc
- 1 x Drain plug 1/2"
- 1 x Protection grill inlet SG18,DIN24154,vz (z=0,55)
- Protection grill outlet
- Anti-spark lining (brass)
- 1 x Inspection opening ST

SEPARATE PARTS

- Documentation as attached
- 6 x Vibration attenuators ST.2y (rubber)
- Counter flange inlet
- Counter flange outlet
- Flex.connect. inlet
- Guide duct inlet
- 1 x Flex.connect. outlet LT200 U w.2cl.fl.vz
- 1 x Guide duct outlet size 355 RSt 372
- 1 x Supply air circular silencer Di/axL:355/555x800 mm

Type : **A-RNZ9/400/500/1**

TECHNICAL DATA

50.2 Hz @ VSD

Volume flow rate	V	m³/h	8.586
Static pressure at ρ= 1,2 kg/m³	Δpsf	Pa	3.150
Total pressure at ρ= 1,2 kg/m³	Δpt	Pa	3.366
Static pressure at ρ= kg/m³	Δpsf	Pa	
Total pressure at ρ= kg/m³	Δpt	Pa	
Rated speed	n	1/min	2.964
Impeller power at ρ= 1,2 kg/m³	Pr	kW	9,49
Impeller power at ρ= kg/m³	Pr	kW	
Sound pressure, free field	Lp	dB(A)	653m
for installation type D (ISO) calculated acc. to VDI 3731			
Sound pressure at free inlet		dB(A)	833m
Fan weight (without motor) approx.		kg	93
Inlet temperature t		°C	20
maximum inlet temperature tmax		°C	40

ERP 2015: Acc. EU regulation No 327/2011 (centr./B/total)
Target efficiency / max. total eff. fan (w/o VSD) in %

Flow medium Air Dust free Add. air
Ex-protection

for speed control: block resonance frequencies, max speed see above

Above techn. data are valid for fan w/o any accessories.

Sound pressure level @ silencer inlet opening area @ free field conditions, distance 1m/ 45°: LpA=85 dB(A)

INSTALLATION TYPE according to ISO 13349

- A -Free inlet, free outlet
- B -Free inlet, ducted outlet
- C -Ducted inlet, free outlet
- D -Ducted inlet and outlet

Exhaust position according to ISO 13349 **LG90**

MOTOR

Make	Standard IEC Motor
Type/Size	IE3W41R 160 M2 / 160M
Rated voltage U/Frequency f	V/Hz 3x400 / 50
Rated speed n approx.	1/min 2950
Rated power P	kW (acc. eff.-cl.) 11 (IE3)
Design/protection class	B3 / IP55
Motor weight approx.	kg 125
Classification	IEC 60034
Insulation class/utilised	F/
Rated current I/ Starting current I approx. A	19,5 / 8times

- Ex-protection
- Multi speed
- Direct-Connection with fan
- Thermistor protection 3-times Bearing with external lubrication
- Space heater
- terminal box on Top /loc. Mid,A o.B side
- without separate rating plate
- Standard paint system

OTHER REQUIREMENTS

Duct transition pieces and support structure for silencer installation/ assembly provided by the customer !

Contract basis: Without obligation. Tolerances acc. to ISO 13348, AN3
General Conditions for the Supply of Products and Services of the [German] Electrical and Electronics Industry. Payment terms only after positive credit rating by Atradius Kreditversicherung. German law applies.

CENTRIFUGAL FAN

- Single inlet
- Direct drive, impeller mounted on motor shaft
- Belt drive
- Drive through elastic coupling
- Enclosed bearing lubr. for life
- Outdoor installation
- Shaft seal
- Split casing
- 1 x Shaft lining with felt seal disc

MAIN MATERIALS

Impeller, main mat.	S235JR+N
Casing	S235JR+N=RS137-2
Base frame/support	S235JR+N=RS137-2

SURFACE TREATMENT

Impeller	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing outside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing inside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Base frame/support	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -

N 64
64,0/76,5

- Motor
- Inlet spigot
- Cooling disc
- 1 x Drain plug 1/2"
- 1 x Protection grill inlet SG18,DIN24154,vz (z=0,55)
- Protection grill outlet
- Anti-spark lining (brass)
- 1 x Inspection opening ST

SEPARATE PARTS

- Documentation as attached
- 6 x Vibration attenuators ST.2y (rubber)
- Counter flange inlet
- Counter flange outlet
- Flex.connect. inlet
- Guide duct inlet
- 1 x Flex.connect. outlet LT200 U w.2cl.fl.vz
- 1 x Guide duct outlet size 400 RSt 372
- 1 x Supply air circular silencer Di/aXL:400/600x900 mm

Type : **A-RNZ9/450/560/1**

TECHNICAL DATA

				46.9 Hz @ VSD	
Volume flow rate		V	m ³ /h	12.878	
Static pressure at ρ= 1,2 kg/m ³	Δpsf	Pa		3.150	
Total pressure at ρ= 1,2 kg/m ³	Δpt	Pa		3.454	
Static pressure at ρ= kg/m ³	Δpsf	Pa			
Total pressure at ρ= kg/m ³	Δpt	Pa			
Rated speed	n	1/min		2.779	
Impeller power at ρ= 1,2 kg/m ³	Pr	kW		14,4	
Impeller power at ρ= kg/m ³	Pr	kW			
Sound pressure, free field	Lp	dB(A)		683m	
for installation type D (ISO) calculated acc. to VDI	3731				
Sound pressure at free inlet		dB(A)		853m	
Fan weight (without motor) approx.		kg		127	
Inlet temperature t		°C		20	
maximum inlet temperature tmax		°C		40	

ERP 2015: Acc. EU regulation No 327/2011 (centr./B/total)
Target efficiency / max. total eff. fan (w/o VSD) in %

Flow medium Air Dust free Add. air
Ex-protection

for speed control: block resonance frequencies, max speed see above

Above techn. data are valid for fan w/o any accessories.

Sound pressure level @ silencer inlet opening area @ free field conditions, distance 1m/ 45°: LpA=85 dB(A)

INSTALLATION TYPE according to ISO 13349

- A -Free inlet, free outlet
- B -Free inlet, ducted outlet
- C -Ducted inlet, free outlet
- D -Ducted inlet and outlet

Exhaust position according to ISO 13349 **LG90**

MOTOR

Make	Standard IEC Motor	
Type/Size	IE3W41R 160 L2 / 160L	
Rated voltage U/Frequency f	V/Hz	3x400 / 50
Rated speed n approx.	1/min	2960
Rated power P	kW (acc. eff.-cl.)	18,5 (IE3)
Design/protection class		B3 / IP55
Motor weight approx.	kg	160
Classification		IEC 60034
Insulation class/utilised		F/
Rated current I/ Starting current I approx. A		32 / 9,2times

- Ex-protection
- Multi speed
- Direct-Connection with fan
- Thermistor protection 3-times Bearing with external lubrication
- Space heater
- terminal box on Top /loc. Mid,A o.B side
- without separate rating plate
- Standard paint system

OTHER REQUIREMENTS

Duct transition pieces and support structure for silencer installation/ assembly provided by the customer !

Contract basis: Without obligation. Tolerances acc. to ISO 13348, AN3
General Conditions for the Supply of Products and Services of the [German] Electrical and Electronics Industry. Payment terms only after positive credit rating by Atradius Kreditversicherung. German law applies.

CENTRIFUGAL FAN

- Single inlet
- Direct drive, impeller mounted on motor shaft
- Belt drive
- Drive through elastic coupling
- Enclosed bearing lubr. for life
- Outdoor installation
- Shaft seal
- Split casing
- 1 x Shaft lining with felt seal disc

MAIN MATERIALS

Impeller, main mat.	S235JR+N
Casing	S235JR+N=RS137-2
Base frame/support	S235JR+N=RS137-2

SURFACE TREATMENT

Impeller	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing outside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing inside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Base frame/support	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -

N 64
64,4/79,1

- Motor
- Inlet spigot
- Cooling disc
- 1 x Drain plug 1/2"
- 1 x Protection grill inlet SG18,DIN24154,vz (z=0,55)
- Protection grill outlet
- Anti-spark lining (brass)
- 1 x Inspection opening ST

SEPARATE PARTS

- Documentation as attached
- 6 x Vibration attenuators ST.2y (rubber)
- Counter flange inlet
- Counter flange outlet
- Flex.connect. inlet
- Guide duct inlet
- 1 x Flex.connect. outlet LT200 U w.2cl.fl.vz
- 1 x Guide duct outlet size 450 RSt 372
- 1 x Supply air circular silencer Di/axL:450/750x1300mm

Type : **A-RNZ9/450/560/1**

TECHNICAL DATA

			46.9 Hz @ VSD	
Volume flow rate	V	m³/h	12.878	
Static pressure at ρ= 1,2 kg/m³	Δpsf	Pa	3.150	
Total pressure at ρ= 1,2 kg/m³	Δpt	Pa	3.454	
Static pressure at ρ= kg/m³	Δpsf	Pa		
Total pressure at ρ= kg/m³	Δpt	Pa		
Rated speed	n	1/min	2.779	
Impeller power at ρ= 1,2 kg/m³	Pr	kW	14,4	
Impeller power at ρ= kg/m³	Pr	kW		
Sound pressure, free field	Lp	dB(A)	683m	
for installation type D (ISO) calculated acc. to VDI			3731	
Sound pressure at free inlet		dB(A)	853m	
Fan weight (without motor) approx.		kg	127	
Inlet temperature t		°C	20	
maximum inlet temperature tmax		°C	40	

ERP 2015: Acc. EU regulation No 327/2011 (centr./B/total)
Target efficiency / max. total eff. fan (w/o VSD) in %

Flow medium Air Dust free Add. air
Ex-protection

for speed control: block resonance frequencies, max speed see above

Above techn. data are valid for fan w/o any accessories.

Sound pressure level @ silencer inlet opening area @ free field conditions, distance 1m/ 45°: LpA=85 dB(A)

INSTALLATION TYPE according to ISO 13349

- A -Free inlet, free outlet
- B -Free inlet, ducted outlet
- C -Ducted inlet, free outlet
- D -Ducted inlet and outlet

Exhaust position according to ISO 13349 **LG90**

MOTOR

Make	Standard IEC Motor
Type/Size	IE3W41R 160 L2 / 160L
Rated voltage U/Frequency f	V/Hz 3x400 / 50
Rated speed n approx.	1/min 2960
Rated power P	kW (acc. eff.-cl.) 18,5 (IE3)
Design/protection class	B3 / IP55
Motor weight approx.	kg 160
Classification	IEC 60034
Insulation class/utilised	F/
Rated current I/ Starting current I approx.	A 32 / 9,2times

- Ex-protection
- Multi speed
- Direct-Connection with fan
- Thermistor protection 3-times Bearing with external lubrication
- Space heater
- terminal box on Top /loc. Mid,A o.B side
- without separate rating plate
- Standard paint system

OTHER REQUIREMENTS

Duct transition pieces and support structure for silencer installation/ assembly provided by the customer !

Contract basis: Without obligation. Tolerances acc. to ISO 13348, AN3
General Conditions for the Supply of Products and Services of the [German] Electrical and Electronics Industry. Payment terms only after positive credit rating by Atradius Kreditversicherung. German law applies.

CENTRIFUGAL FAN

- Single inlet
- Direct drive, impeller mounted on motor shaft
- Belt drive
- Drive through elastic coupling
- Enclosed bearing lubr. for life
- Outdoor installation
- Shaft seal
- Split casing
- 1 x Shaft lining with felt seal disc

MAIN MATERIALS

Impeller, main mat.	S235JR+N
Casing	S235JR+N=RS137-2
Base frame/support	S235JR+N=RS137-2

SURFACE TREATMENT

Impeller	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing outside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing inside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Base frame/support	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -

N 64
64,4/79,1

- Motor
- Inlet spigot
- Cooling disc
- 1 x Drain plug 1/2"
- 1 x Protection grill inlet SG18,DIN24154,vz (z=0,55)
- Protection grill outlet
- Anti-spark lining (brass)
- 1 x Inspection opening ST

SEPARATE PARTS

- Documentation as attached
- 6 x Vibration attenuators ST.2y (rubber)
- Counter flange inlet
- Counter flange outlet
- Flex.connect. inlet
- Guide duct inlet
- 1 x Flex.connect. outlet LT200 U w.2cl.fl.vz
- 1 x Guide duct outlet size 450 RSt 372
- 1 x Supply air circular silencer Di/axL:450/750x1300mm

Type : **A-RNNS6/560/710/1**

TECHNICAL DATA

45.3 Hz @ VSD

Volume flow rate	V	m³/h	21.464
Static pressure at ρ= 1,2 kg/m³	Δpsf	Pa	3.150
Total pressure at ρ= 1,2 kg/m³	Δpt	Pa	3.502
Static pressure at ρ= kg/m³	Δpsf	Pa	
Total pressure at ρ= kg/m³	Δpt	Pa	
Rated speed	n	1/min	2.689
Impeller power at ρ= 1,2 kg/m³	Pr	kW	24,2
Impeller power at ρ= kg/m³	Pr	kW	
Sound pressure, free field	Lp	dB(A)	733m
for installation type D (ISO) calculated acc. to VDI			3731
Sound pressure at free inlet		dB(A)	893m
Fan weight (without motor) approx.		kg	212
Inlet temperature t		°C	20
maximum inlet temperature tmax		°C	40

ERP 2015: Acc. EU regulation No 327/2011 (centr./B/total)
Target efficiency / max. total eff. fan (w/o VSD) in %

Flow medium Air Dust free Add. air
Ex-protection

for speed control: block resonance frequencies, max speed see above

Above techn. data are valid for fan w/o any accessories.
Sound pressure level @ silencer inlet opening area @ free field conditions, distance 1m/ 45°: LpA=85 dB(A)

INSTALLATION TYPE according to ISO 13349

- A -Free inlet, free outlet
- B -Free inlet, ducted outlet
- C -Ducted inlet, free outlet
- D -Ducted inlet and outlet

Exhaust position according to ISO 13349 **LG90**

MOTOR

Make	Standard IEC Motor
Type/Size	IE3W41R 200 L2 / 200L
Rated voltage U/Frequency f	V/Hz 3x400 / 50
Rated speed n approx.	1/min 2965
Rated power P	kW (acc. eff.-cl.) 30 (IE3)
Design/protection class	B3 / IP55
Motor weight approx.	kg 305
Classification	IEC 60034
Insulation class/utilised	F/
Rated current I/ Starting current I approx. A	52,5 / 8,6times

- Ex-protection
- Multi speed
- Direct-Connection with fan
- Thermistor protection 3-times Bearing with external lubrication
- Space heater
- terminal box on Top /loc. Mid,A o.B side
- without separate rating plate
- Standard paint system

OTHER REQUIREMENTS

Duct transition pieces and support structure for silencer installation/ assembly provided by the customer !

Contract basis: Without obligation. Tolerances acc. to ISO 13348, AN3
General Conditions for the Supply of Products and Services of the [German] Electrical and Electronics Industry. Payment terms only after positive credit rating by Atradius Kreditversicherung. German law applies.

CENTRIFUGAL FAN

- Single inlet
- Direct drive, impeller mounted on motor shaft
- Belt drive
- Drive through elastic coupling
- Enclosed bearing lubr. for life
- Outdoor installation
- Shaft seal
- Split casing
- 1 x Shaft lining with felt seal disc

MAIN MATERIALS

Impeller, main mat.	S355J2+N plus30%
	Welded both sides-
Casing	S235JR+N=RS137-2
Base frame/support	S235JR+N=RS137-2

SURFACE TREATMENT

Impeller	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing outside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing inside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Base frame/support	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -

- Motor
- Inlet spigot
- Cooling disc
- 1 x Drain plug 1/2"
- 1 x Protection grill inlet SG18,DIN24154,vz (z=0,55)
- Protection grill outlet
- Anti-spark lining (brass)
- 1 x Inspection opening ST

SEPARATE PARTS

- Documentation as attached
- 6 x Vibration attenuators ST.2g (rubber)
- Counter flange inlet
- Counter flange outlet
- Flex.connect. inlet
- Guide duct inlet
- 1 x Flex.connect. outlet LT200 U w.2cl.fl.vz
- 1 x Guide duct outlet size 560 RSt 372
- 1 x Supply air circular silencer Di/axL:560/860x1300mm

Type : **P-PRZ9/355/800/1**

TECHNICAL DATA

48.2 Hz @ VSD

Volume flow rate	V	m³/h	26.830
Static pressure at ρ= 1,2 kg/m³	Δpsf	Pa	3.150
Total pressure at ρ= 1,2 kg/m³	Δpt	Pa	3.493
Static pressure at ρ= kg/m³	Δpsf	Pa	
Total pressure at ρ= kg/m³	Δpt	Pa	
Rated speed	n	1/min	2.870
Impeller power at ρ= 1,2 kg/m³	Pr	kW	31,6
Impeller power at ρ= kg/m³	Pr	kW	
Sound pressure, free field	Lp	dB(A)	763m
for installation type D (ISO) calculated acc. to VDI 3731			
Sound pressure at free inlet		dB(A)	923m
Fan weight (without motor) approx.		kg	317
Inlet temperature t		°C	20
maximum inlet temperature tmax		°C	40

ERP 2015: Acc. EU regulation No 327/2011 (centr./B/total)
Target efficiency / max. total eff. fan (w/o VSD) in %

Flow medium Air Dust free Flue gas
Ex-protection

for speed control: block resonance frequencies, max speed see above

Above techn. data are valid for fan w/o any accessories.
Sound pressure level @ silencer inlet opening area @ free field conditions, distance 1m/ 45°: LpA=85 dB(A)

INSTALLATION TYPE according to ISO 13349

- A -Free inlet, free outlet
- B -Free inlet, ducted outlet
- C -Ducted inlet, free outlet
- D -Ducted inlet and outlet

Exhaust position according to ISO 13349 **LG90**

MOTOR

Make	Standard IEC Motor
Type/Size	IE3W41R 200 LX2C / 200LX
Rated voltage U/Frequency f	V/Hz 3x400 / 50
Rated speed n approx.	1/min 2980
Rated power P	kW (acc. eff.-cl.) 37 (IE3)
Design/protection class	B3 / IP55
Motor weight approx.	kg 310
Classification	IEC 60034
Insulation class/utilised	F/
Rated current I/ Starting current I approx. A	64 / 8,7times

- Ex-protection
- Multi speed
- Direct-Connection with fan
- Thermistor protection 3-times Bearing with external lubrication
- Space heater
- terminal box on Top /loc. Mid,A o.B side
- without separate rating plate
- Standard paint system

OTHER REQUIREMENTS

Duct transition pieces and support structure for silencer installation/ assembly provided by the customer !

Contract basis: Without obligation. Tolerances acc. to ISO 13348, AN3
General Conditions for the Supply of Products and Services of the [German] Electrical and Electronics Industry. Payment terms only after positive credit rating by Atradius Kreditversicherung. German law applies.

CENTRIFUGAL FAN

- Single inlet
- Direct drive, impeller mounted on motor shaft
- Belt drive
- Drive through elastic coupling
- Enclosed bearing lubr. for life
- Outdoor installation
- Shaft seal
- Split casing
- 1 x Shaft lining with felt seal disc

MAIN MATERIALS

Impeller, main mat.	S355J2+N plus30%
	Welded both sides - key hub
Casing	S235JR+N=RSSt37-2
Base frame/support	S235JR+N=RSSt37-2

SURFACE TREATMENT

**N 64
65,3/79,9**

Impeller	A7-Brantho-Korrux ca.80µm (300°C)
color/corr.-cl.	RAL 3009 / -
Casing outside	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -
Casing inside	A7-Brantho-Korrux ca.80µm (300°C)
color/corr.-cl.	RAL 3009 / -
Base frame/support	A3-Grd.+ 2-K PA-Coat. approx.160µm
color/corr.-cl.	RAL 7000 / -

- Motor
- Inlet spigot
- Cooling disc
- 1 x Drain plug 1/2"
- 1 x Protection grill inlet SG18,DIN24154,vz (z=0,55)
- Protection grill outlet
- Anti-spark lining (brass)
- 1 x Inspection opening ST

SEPARATE PARTS

- Documentation as attached
- 6 x Vibration attenuators ST.2g (rubber)
- Counter flange inlet
- Counter flange outlet
- Flex.connect. inlet
- Guide duct inlet
- 1 x Flex.connect. outlet LT200 U w.2cl.fl.vz
- 1 x Guide duct outlet size 630 RSt 372
- 1 x Supply air circular silencer Di/axL:630/930x1700mm