

Type : **A-PRZ9/250/560/1**

**TECHNICAL DATA**

			51.6 Hz @ VSD
Volume flow rate	V	m³/h	<b>4.586</b>
Static pressure at ρ= 1,2 kg/m³	Δpsf	Pa	<b>5.342</b>
Total pressure at ρ= 1,2 kg/m³	Δpt	Pa	<b>5.746</b>
Static pressure at ρ= 1,12 kg/m³	Δpsf	Pa	<b>5.000</b>
Total pressure at ρ= 1,12 kg/m³	Δpt	Pa	<b>5.378</b>
Rated speed	n	1/min	<b>3.044</b>
Impeller power at ρ= 1,2 kg/m³	Pr	kW	<b>9,21</b>
Impeller power at ρ= 1,12 kg/m³	Pr	kW	<b>8,62</b>
Sound pressure, free field	Lp	dB(A)	<b>693m</b>
for installation type D (ISO) calculated acc. to VDI 3731			
Sound pressure at free inlet		dB(A)	<b>863m</b>
Fan weight (without motor) approx.		kg	<b>122</b>
Inlet temperature t		°C	<b>40</b>
maximum inlet temperature tmax		°C	<b>40</b>

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

- 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**  
**64,1/73,8**

- 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 250 RSt 372
- 1 x Supply air circular silencer Di/axL:250/450x900 mm

Type : **A-LRZ9/355/560/1**

**TECHNICAL DATA**

52.2 Hz @ VSD

Volume flow rate	V m³/h	<b>7.223</b>
Static pressure at ρ= 1,2 kg/m³	Δpsf Pa	<b>5.342</b>
Total pressure at ρ= 1,2 kg/m³	Δpt Pa	<b>5.588</b>
Static pressure at ρ= 1,12 kg/m³	Δpsf Pa	<b>5.000</b>
Total pressure at ρ= 1,12 kg/m³	Δpt Pa	<b>5.231</b>
Rated speed	n 1/min	<b>3.078</b>
Impeller power at ρ= 1,2 kg/m³	Pr kW	<b>13,6</b>
Impeller power at ρ= 1,12 kg/m³	Pr kW	<b>12,7</b>
Sound pressure, free field	Lp dB(A)	<b>693m</b>
for installation type D (ISO) calculated acc. to VDI 3731		
Sound pressure at free inlet	dB(A)	<b>863m</b>
Fan weight (without motor) approx.	kg	<b>135</b>
Inlet temperature t	°C	<b>40</b>
maximum inlet temperature tmax	°C	<b>40</b>

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  Cooling 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	<b>Standard IEC Motor</b>
Type/Size	<b>IE3W41R 160 MX2 / 160MX</b>
Rated voltage U/Frequency f	V/Hz <b>3x400 / 50</b>
Rated speed n approx.	1/min <b>2950</b>
Rated power P	kW (acc. eff.-cl.) <b>15 (IE3)</b>
Design/protection class	<b>B3 / IP55</b>
Motor weight approx.	kg <b>145</b>
Classification	<b>IEC 60034</b>
Insulation class/utilised	<b>F/B</b>
Rated current I / Starting current I approx. A	<b>26 / 7,9times</b>

- 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**  
**64,4/75,6**

- 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:315/515x1000mm

Type : **A-LRZ9B/400/630/1**

**TECHNICAL DATA**

49.6 Hz @ VSD

Volume flow rate	V	m³/h	<b>9.172</b>
Static pressure at ρ= 1,2 kg/m³	Δpsf	Pa	<b>5.342</b>
Total pressure at ρ= 1,2 kg/m³	Δpt	Pa	<b>5.588</b>
Static pressure at ρ= 1,12 kg/m³	Δpsf	Pa	<b>5.000</b>
Total pressure at ρ= 1,12 kg/m³	Δpt	Pa	<b>5.231</b>
Rated speed	n	1/min	<b>2.938</b>
Impeller power at ρ= 1,2 kg/m³	Pr	kW	<b>16,8</b>
Impeller power at ρ= 1,12 kg/m³	Pr	kW	<b>15,8</b>
Sound pressure, free field	Lp	dB(A)	<b>713m</b>
for installation type D (ISO) calculated acc. to VDI 3731			
Sound pressure at free inlet		dB(A)	<b>873m</b>
Fan weight (without motor) approx.		kg	<b>177</b>
Inlet temperature t		°C	<b>40</b>
maximum inlet temperature tmax		°C	<b>40</b>

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  Cooling 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	<b>3x400 / 50</b>
Rated speed n approx.	1/min	<b>2960</b>
Rated power P	kW (acc. eff.-cl.)	<b>18,5 (IE3)</b>
Design/protection class		<b>B3 / IP55</b>
Motor weight approx.	kg	<b>160</b>
Classification		<b>IEC 60034</b>
Insulation class/utilised		<b>F/B</b>
Rated current I / Starting current I approx.	A	<b>32 / 9,2times</b>

- 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 / -

- 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:400/600x1400mm

Type : **A-LRZ9C/450/630/1**

**TECHNICAL DATA**

47.3 Hz @ VSD

Volume flow rate	V m³/h	<b>11.465</b>
Static pressure at ρ= 1,2 kg/m³	Δpsf Pa	<b>5.342</b>
Total pressure at ρ= 1,2 kg/m³	Δpt Pa	<b>5.582</b>
Static pressure at ρ= 1,12 kg/m³	Δpsf Pa	<b>5.000</b>
Total pressure at ρ= 1,12 kg/m³	Δpt Pa	<b>5.225</b>
Rated speed	n 1/min	<b>2.805</b>
Impeller power at ρ= 1,2 kg/m³	Pr kW	<b>20,5</b>
Impeller power at ρ= 1,12 kg/m³	Pr kW	<b>19,2</b>
Sound pressure, free field	Lp dB(A)	<b>713m</b>
for installation type D (ISO) calculated acc. to VDI 3731		
Sound pressure at free inlet	dB(A)	<b>883m</b>
Fan weight (without motor) approx.	kg	<b>279</b>
Inlet temperature t	°C	<b>40</b>
maximum inlet temperature tmax	°C	<b>40</b>

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  Cooling 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	<b>3x400 / 50</b>
Rated speed n approx.	1/min	<b>2965</b>
Rated power P	kW (acc. eff.-cl.)	<b>30 (IE3)</b>
Design/protection class		<b>B3 / IP55</b>
Motor weight approx.	kg	<b>305</b>
Classification		<b>IEC 60034</b>
Insulation class/utilised		<b>F/</b>
Rated current I/ Starting current I approx. A		<b>52,5 / 8,6times</b>

- 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**  
**64,8/80,7**

- Motor
- Inlet spigot
- Cooling disc
- 1 x Drain plug 1/2"
- 1 x Protection grill inlet SGq12,DIN24154,vz (z=0,35)
- 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:450/650x1700mm

Type : **A-RNZ9/500/630/1**

**TECHNICAL DATA**

48.6 Hz @ VSD

Volume flow rate	V m³/h	<b>14.331</b>
Static pressure at ρ= 1,2 kg/m³	Δpsf Pa	<b>5.342</b>
Total pressure at ρ= 1,2 kg/m³	Δpt Pa	<b>5.588</b>
Static pressure at ρ= 1,12 kg/m³	Δpsf Pa	<b>5.000</b>
Total pressure at ρ= 1,12 kg/m³	Δpt Pa	<b>5.231</b>
Rated speed	n 1/min	<b>2.883</b>
Impeller power at ρ= 1,2 kg/m³	Pr kW	<b>26,0</b>
Impeller power at ρ= 1,12 kg/m³	Pr kW	<b>24,3</b>
Sound pressure, free field	Lp dB(A)	<b>723m</b>
for installation type D (ISO) calculated acc. to VDI 3731		
Sound pressure at free inlet	dB(A)	<b>893m</b>
Fan weight (without motor) approx.	kg	<b>175</b>
Inlet temperature t	°C	<b>40</b>
maximum inlet temperature tmax	°C	<b>40</b>

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

- 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 plus 30% Welded both sides-
Casing	S235JR+N=RSt37-2
Base frame/support	S235JR+N=RSt37-2

**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 500 RSt 372
- 1 x Supply air circular silencer Di/axL:500/800x1200mm

Type : **A-RNZ9/500/630/1**

**TECHNICAL DATA**

48.6 Hz @ VSD

Volume flow rate	V m³/h	<b>14.331</b>
Static pressure at ρ= 1,2 kg/m³	Δpsf Pa	<b>5.342</b>
Total pressure at ρ= 1,2 kg/m³	Δpt Pa	<b>5.588</b>
Static pressure at ρ= 1,12 kg/m³	Δpsf Pa	<b>5.000</b>
Total pressure at ρ= 1,12 kg/m³	Δpt Pa	<b>5.231</b>
Rated speed	n 1/min	<b>2.883</b>
Impeller power at ρ= 1,2 kg/m³	Pr kW	<b>26,0</b>
Impeller power at ρ= 1,12 kg/m³	Pr kW	<b>24,3</b>
Sound pressure, free field	Lp dB(A)	<b>723m</b>
for installation type D (ISO) calculated acc. to VDI 3731		
Sound pressure at free inlet	dB(A)	<b>893m</b>
Fan weight (without motor) approx.	kg	<b>175</b>
Inlet temperature t	°C	<b>40</b>
maximum inlet temperature tmax	°C	<b>40</b>

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

- 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 plus 30% Welded both sides-
Casing	S235JR+N=RSt37-2
Base frame/support	S235JR+N=RSt37-2

**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 500 RSt 372
  - 1 x Supply air circular silencer Di/axL:500/800x1200mm

Type : **A-RNZ9/560/710/1**

**TECHNICAL DATA**

45.5 Hz @ VSD

Volume flow rate	V m³/h	<b>22.929</b>
Static pressure at ρ= 1,2 kg/m³	Δpsf Pa	<b>5.342</b>
Total pressure at ρ= 1,2 kg/m³	Δpt Pa	<b>5.743</b>
Static pressure at ρ= 1,12 kg/m³	Δpsf Pa	<b>5.000</b>
Total pressure at ρ= 1,12 kg/m³	Δpt Pa	<b>5.376</b>
Rated speed	n 1/min	<b>2.693</b>
Impeller power at ρ= 1,2 kg/m³	Pr kW	<b>41,4</b>
Impeller power at ρ= 1,12 kg/m³	Pr kW	<b>38,8</b>
Sound pressure, free field	Lp dB(A)	<b>753m</b>
for installation type D (ISO) calculated acc. to VDI 3731		
Sound pressure at free inlet	dB(A)	<b>913m</b>
Fan weight (without motor) approx.	kg	<b>198</b>
Inlet temperature t	°C	<b>40</b>
maximum inlet temperature tmax	°C	<b>40</b>

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  Cooling 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	<b>Standard IEC Motor</b>
Type/Size	<b>IE3W41R 225 M2 / 225M</b>
Rated voltage U/Frequency f	V/Hz <b>3x400 / 50</b>
Rated speed n approx.	1/min <b>2960</b>
Rated power P	kW (acc. eff.-cl.) <b>45 (IE3)</b>
Design/protection class	<b>B3 / IP55</b>
Motor weight approx.	kg <b>375</b>
Classification	<b>IEC 60034</b>
Insulation class/utilised	<b>F/</b>
Rated current I/ Starting current I approx. A	<b>77,5 / 8,8times</b>

- 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
	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:560/860x1450mm