

Vpro-ECblue

for three phase alternating current, 380-480 V

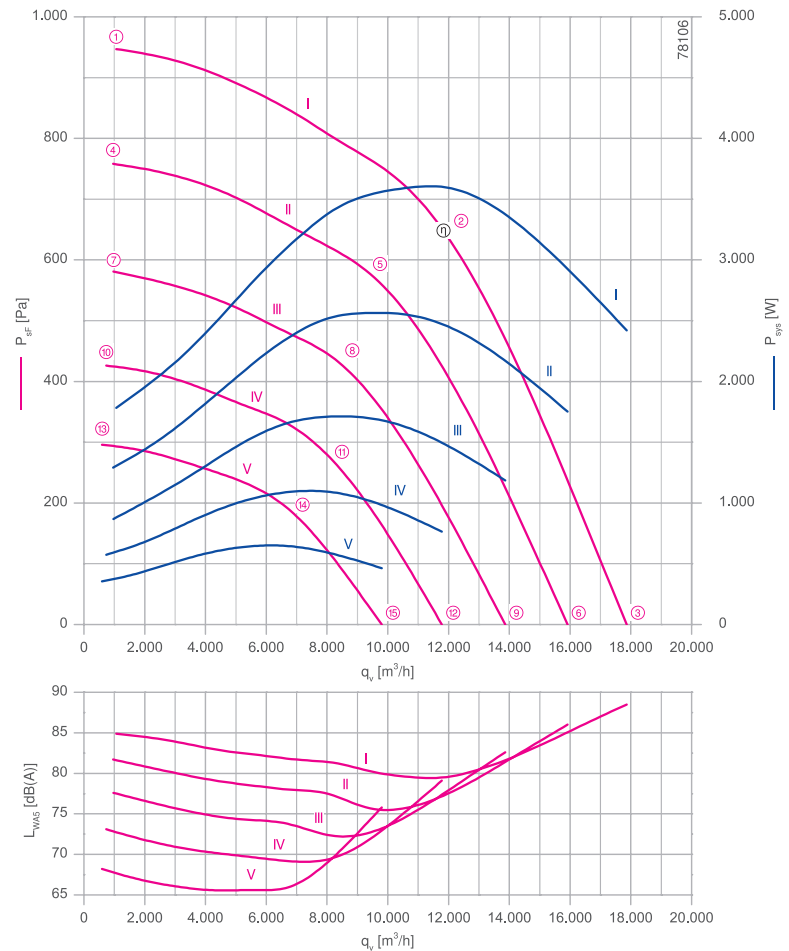
RH63V-ZIK



Description

Motor technology: EC
 Rated voltage U: **3-380-480 V***
 Rated frequency f: **50/60 Hz***
 Motor input power P: **3.60 kW***
 Rated current I: **5.70-4.50 A***
 Rated speed n: **1340 min⁻¹***
 Thermal class: **THCL155***
 Min. permitted ambient temperature t_{r1} : -15 °C
 Max. permitted ambient temperature t_{r2} at n_{max} : 60 °C
 Electrical connection: integrated Controller
 Number of blades: 6
 Balancing quality: G 6.3
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Impeller : High Performance Composite Material, uncoated, black
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 63.6 %
 Efficiency: $N_{actual} = 68.2 / N_{target} = 62^{**}$
 EC controller integrated
 *Rated data
 **ErP 2015

Characteristic curve

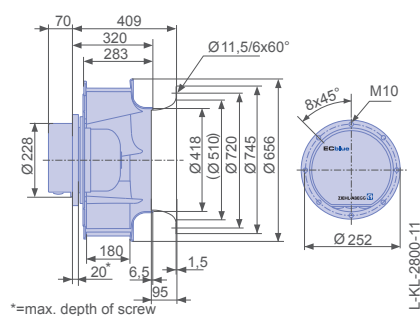


measured with inlet ring, without guard grille according to ISO 5801

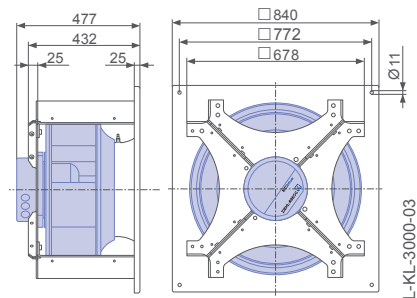
- Inlet ring 00279305 Page 450
- Connection diagram 1360-401 Page 548
- System components Page 448

Dimensions [mm]

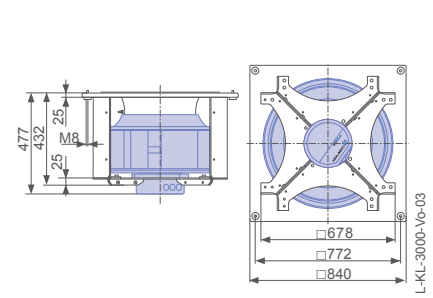
Free-running motor impeller RH in installation position H/U/Vo



Ventilation unit GR in installation position H



Ventilation unit GR in installation position Vo



Performance data

Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level
		n [min ⁻¹]		I [A]	P _{sys} [W]	L _{WA5} [dB]
_63V-ZIK.GL.1R	I	1340	①	2.70	1800	85
		1340	②	5.40	3600	80
		1340	③	3.70	2400	89
	II	1200	④	2.00	1300	82
		1200	⑤	3.90	2600	76
		1200	⑥	2.70	1750	86
	III	1050	⑦	1.40	860	78
		1050	⑧	2.60	1700	72
		1050	⑨	1.85	1200	83
	IV	900	⑩	0.98	580	73
		900	⑪	1.70	1100	69
		900	⑫	1.25	760	79
	V	750	⑬	0.72	350	68
		750	⑭	1.10	640	66
		750	⑮	0.84	460	76

Current values determined at 400V

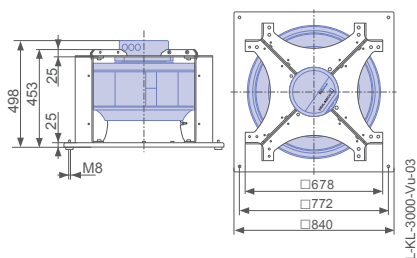
Fan ordering information

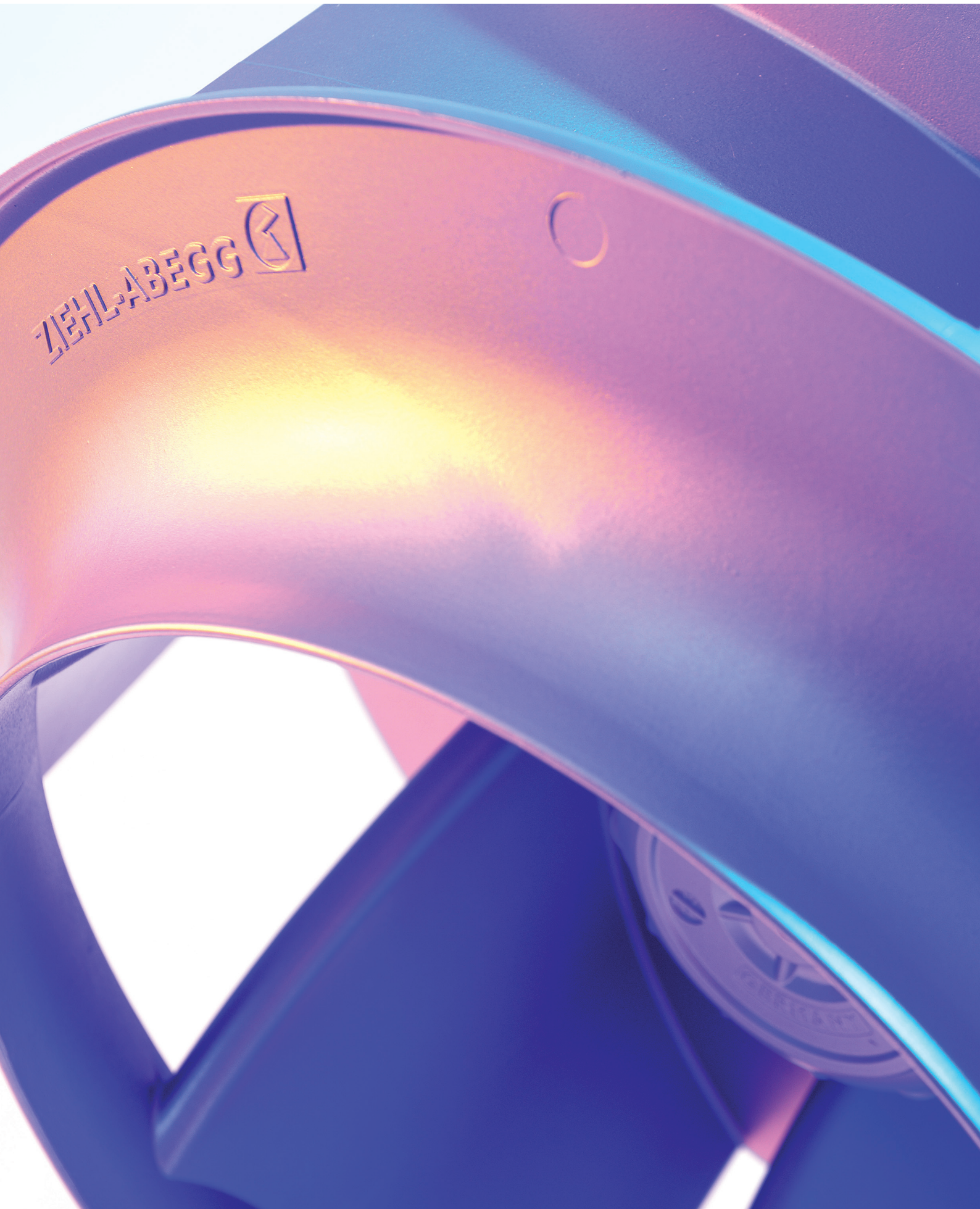
Design	RH*	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	Vo	Vu
				
Type	RH63V-ZIK.GL.1R	GR63V-ZIK.GL.1R	GR63V-ZIK.GL.1R	GR63V-ZIK.GL.1R
Basic electronics	Article no. 113958	114975/H01	114975/O01	114975/U01
Premium electronics	Article no. 113959			
Weight [kg]	29.00	59.00	60.00	60.00
* Inlet ring not included				
** Inlet ring integrated				

Control technology

<p>Control module</p>  <p>➤ Page 464</p>	<p>Operating terminal</p>  <p>➤ Page 476</p>	<p>Expansion module</p>  <p>➤ Page 473</p>
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Ventilation unit GR in installation position Vu





Centrifugal Fans Vpro

AC technology

Product overview

Quick selection	Page 226
Size 190	Page 230
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Information

Cpro-ECblue

Vpro-ECblue

Vpro

L-series

M-series

System components

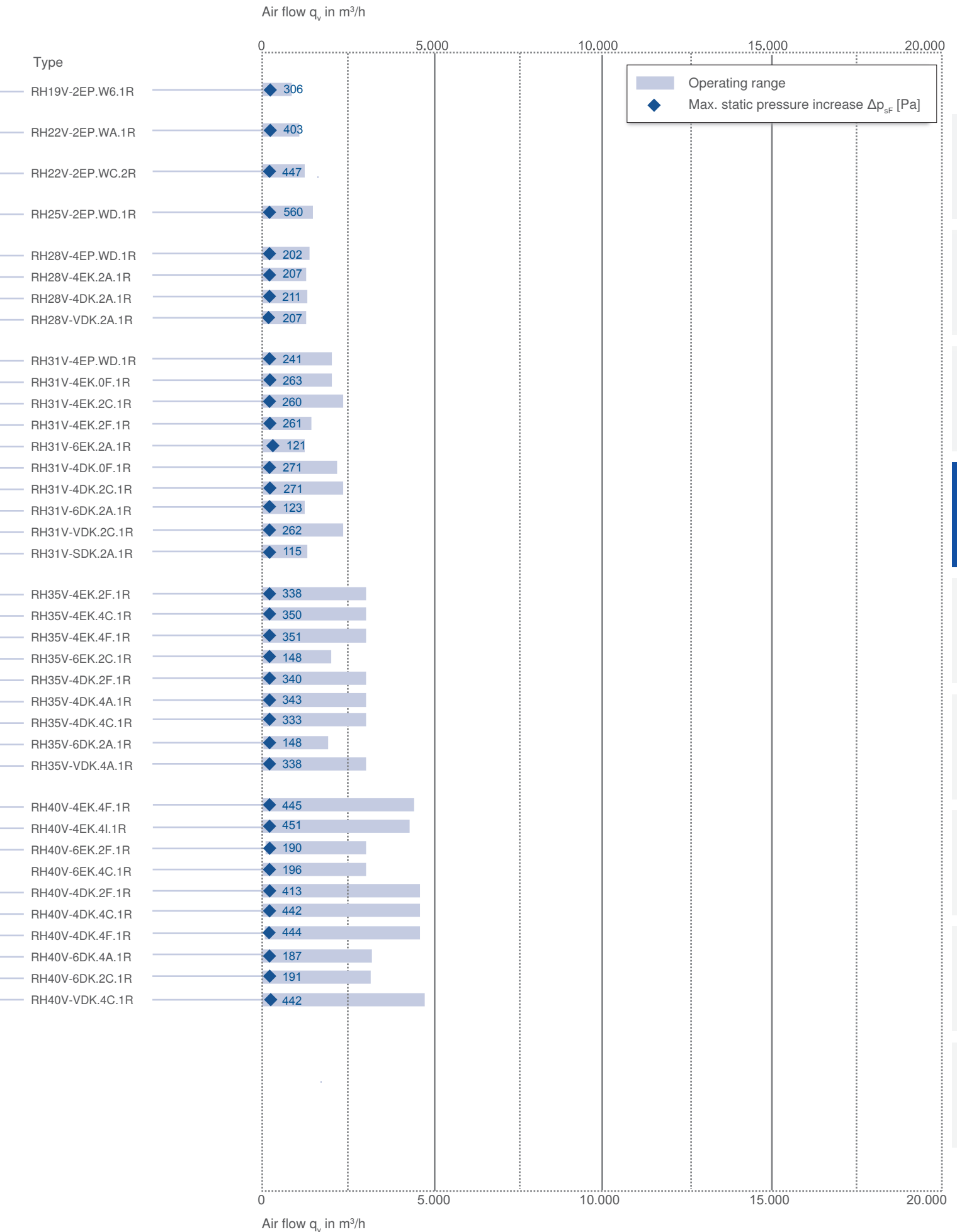
Control technology

General notes

Size	Voltage	Pole-count	Type	Impeller position	ErP	Page
190	1~ 230 V	2	RH19V-2EP.W6.1R	P	**	230
220	1~ 230 V	2	RH22V-2EP.WA.1R	P	**	232
225	1~ 230 V	2	RH22V-2EP.WC.2R	P	-	234
250	1~ 230 V	2	RH25V-2EP.WD.1R	P	-	236
280	1~ 230 V	4	RH28V-4EP.WD.1R	P	**	238
			RH28V-4EK.2A.1R	K	-	240
	3~ 400 V	4-4	RH28V-4DK.2A.1R	K	**	242
			RH28V-VDK.2A.1R	K	**	244
315	1~ 230 V	4	RH31V-4EP.WD.1R	P	-	246
			RH31V-4EK.0F.1R	K	2015	248
			RH31V-4EK.2C.1R	K	-	250
		6	RH31V-4EK.2F.1R	K	-	252
			RH31V-6EK.2A.1R	K	**	254
	3~ 400 V	4	RH31V-4DK.0F.1R	K	2015	256
			RH31V-4DK.2C.1R	K	2015	258
		6	RH31V-6DK.2A.1R	K	**	260
			4-4	RH31V-VDK.2C.1R	K	2015
		6-6		RH31V-SDK.2A.1R	K	**
355	1~ 230 V	4	RH35V-4EK.2F.1R	K	-	266
			RH35V-4EK.4C.1R	K	2013	268
			RH35V-4EK.4F.1R	K	2013	270
		6	RH35V-6EK.2C.1R	K	**	272
			RH35V-4DK.2F.1R	K	2015	274
	3~ 400 V	4	RH35V-4DK.4A.1R	K	2015	276
			RH35V-4DK.4C.1R	K	2015	278
		6	RH35V-6DK.2A.1R	K	**	280
			4-4	RH35V-VDK.4A.1R	K	2015
400	1~ 230 V	4		RH40V-4EK.4F.1R	K	2015
			RH40V-4EK.4I.1R	K	2013	286
		6	RH40V-6EK.2F.1R	K	-	288
			RH40V-6EK.4C.1R	K	2015	290
			RH40V-4DK.2F.1R	K	2013	292
	3~ 400 V	4	RH40V-4DK.4C.1R	K	2015	294
			RH40V-4DK.4F.1R	K	2015	296
			RH40V-6DK.4A.1R	K	2013	298
		6	RH40V-6DK.2C.1R	K	-	300
			4-4	RH40V-VDK.4C.1R	K	2015

** Not subject to ErP regulation ($P_1 < 125$ W)



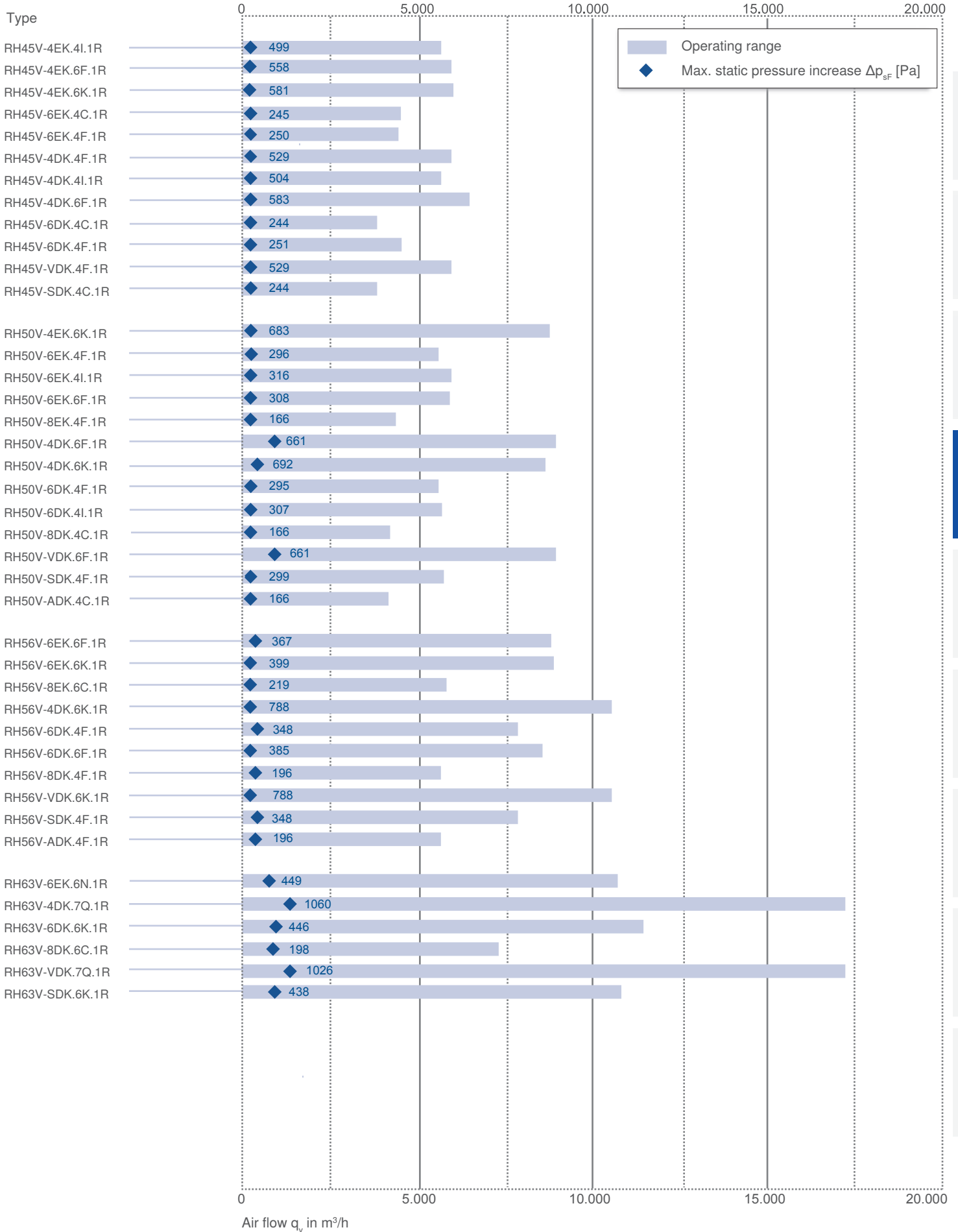


Size	Voltage	Pole-count	Type	Impeller position	ErP	Page
450	1~ 230 V	4	RH45V-4EK.4I.1R	K	-	304
			RH45V-4EK.6F.1R	K	-	306
			RH45V-4EK.6K.1R	K	2013	308
		6	RH45V-6EK.4C.1R	K	-	310
			RH45V-6EK.4F.1R	K	-	312
			RH45V-4DK.4F.1R	K	-	314
	3~ 400 V	4	RH45V-4DK.4I.1R	K	2013	316
			RH45V-4DK.6F.1R	K	2015	318
		6	RH45V-6DK.4C.1R	K	-	320
			RH45V-6DK.4F.1R	K	2015	322
		4-4	RH45V-VDK.4F.1R	K	-	324
		6-6	RH45V-SDK.4C.1R	K	-	326
500	1~ 230 V	4	RH50V-4EK.6K.1R	K	-	328
			RH50V-6EK.4F.1R	K	-	330
			RH50V-6EK.4I.1R	K	-	332
		6	RH50V-6EK.6F.1R	K	-	334
			RH50V-8EK.4F.1R	K	-	336
			RH50V-4DK.6F.1R	K	2013	338
	3~ 400 V	4	RH50V-4DK.6K.1R	K	2015	340
			RH50V-6DK.4F.1R	K	-	342
		6	RH50V-6DK.4I.1R	K	2015	344
			RH50V-8DK.4C.1R	K	-	346
		4-4	RH50V-VDK.6F.1R	K	2013	348
		6-6	RH50V-SDK.4F.1R	K	-	350
8-8	RH50V-ADK.4C.1R	K	-	352		
560	1~ 230 V	6	RH56V-6EK.6F.1R	K	2013	354
			RH56V-6EK.6K.1R	K	-	356
			RH56V-8EK.6C.1R	K	-	358
		4	RH56V-4DK.6K.1R	K	-	360
			RH56V-6DK.4F.1R	K	-	362
			RH56V-6DK.6F.1R	K	2015	364
	3~ 400 V	8	RH56V-8DK.4F.1R	K	-	366
			RH56V-VDK.6K.1R	K	-	368
		4-4	RH56V-VDK.6K.1R	K	-	368
			RH56V-SDK.4F.1R	K	-	370
		6-6	RH56V-SDK.4F.1R	K	-	370
		8-8	RH56V-ADK.4F.1R	K	-	372
630	1~ 230 V	6	RH63V-6EK.6N.1R	K	-	374
		4	RH63V-4DK.7Q.1R	K	2013	376
		6	RH63V-6DK.6K.1R	K	2015	378
	3~ 400 V	8	RH63V-8DK.6C.1R	K	-	380
		4-4	RH63V-VDK.7Q.1R	K	2013	382
		6-6	RH63V-SDK.6K.1R	K	2013	384

** Not subject to ErP regulation ($P_1 < 125$ W)



Air flow q_v in m^3/h



Information

Cpro-ECblue

Vpro-ECblue

Vpro

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System components

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General notes

Vpro

for single phase alternating current, 2 pole

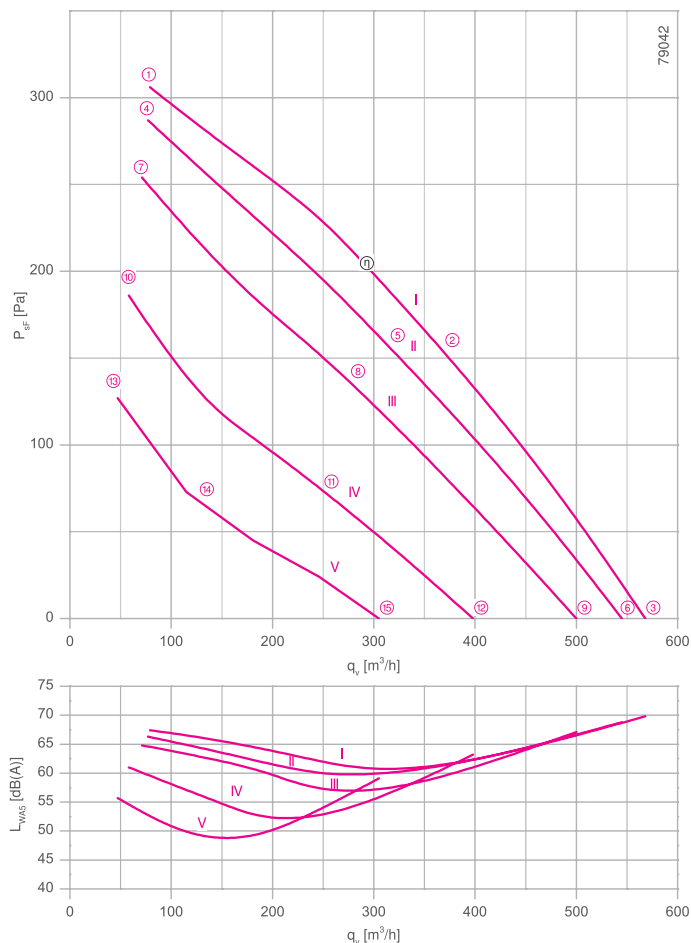
RH19V-2E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.6 kW*
 Rated current I_N : 0.26 A*
 Rated speed n_N : 2500 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 2.0 μ F
 Dynamic pressure: $p_{d2} = 8.05 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: **THCL130***
 Min. permitted ambient temperature $t_{R(min)}$: -30 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

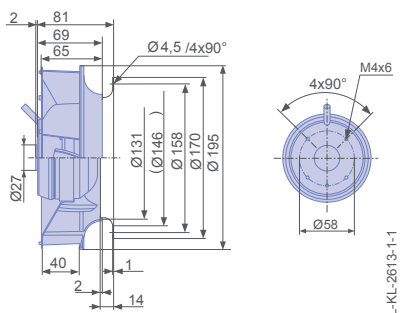


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00407897 Page 450
- Connection diagram 1360-177X SW Page 550
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Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH19V-2EP.W6.1R	I	230	①	0.23	55	2680	67
		230*	②	0.26*	60*	2530*	62
		230	③	0.24	55	2620	70
	II	200	④	0.21	42	2590	66
		200	⑤	0.25	50	2390	60
		200	⑥	0.23	46	2510	69
	III	170	⑦	0.21	36	2440	65
		170	⑧	0.25	42	2150	58
		170	⑨	0.23	38	2300	67
	IV	135	⑩	0.20	28	2100	61
		135	⑪	0.23	32	1720	55
		135	⑫	0.22	30	1920	63
	V	110	⑬	0.19	22	1720	56
		110	⑭	0.20	22	1390	49
		110	⑮	0.19	22	1470	59

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable variable 45cm



Type RH19V-2EP.W6.1R
Article no. 113234

Weight [kg] 1.45
* Inlet ring not included

Control technology

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Vpro

for single phase alternating current, 2 pole

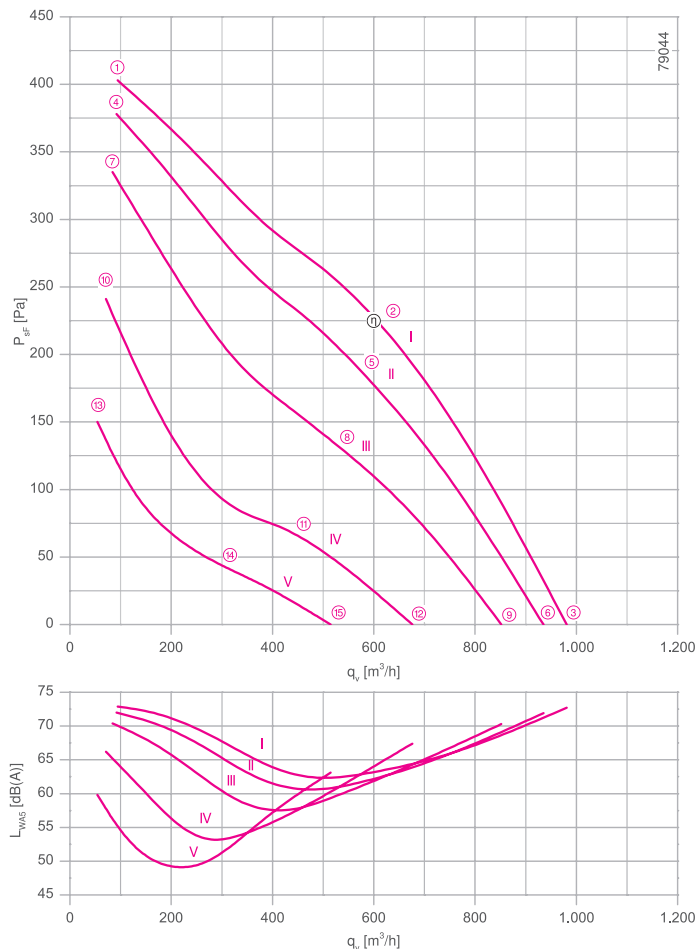
RH22V-2E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.10 kW*
 Rated current I_N : 0.45 A*
 Rated speed n_N : 2560 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 2.5 μF
 Dynamic pressure: $p_{d2} = 5.9 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: **THCL130***
 Min. permitted ambient temperature $t_{R(min)}$: -30 °C
 Min. admissible ambient temperature $t_{R(max)}$: 60 °C
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

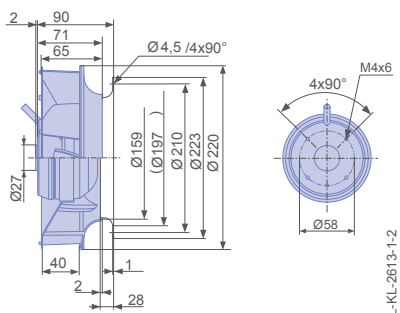


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00407899 Page 450
- Connection diagram 1360-177X SW Page 550
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Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH22V-2EP.WA.1R	I	230	①	0.35	80	2730	73
		230*	②	0.46*	110*	2500*	62
		230	③	0.39	90	2650	73
	II	200	④	0.35	70	2640	72
		200	⑤	0.46	95	2320	61
		200	⑥	0.39	80	2520	72
	III	170	⑦	0.35	60	2490	70
		170	⑧	0.46	80	2010	58
		170	⑨	0.40	70	2310	70
	IV	135	⑩	0.35	46	2110	66
		135	⑪	0.42	55	1510	54
		135	⑫	0.39	50	1840	67
	V	110	⑬	0.33	36	1670	60
		110	⑭	0.36	38	1140	48
		110	⑮	0.35	38	1400	63

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable variable 45cm



Type RH22V-2EP.WA.1R
Article no. 113235

Weight [kg] 1.91

* Inlet ring not included

Control technology

Frequency inverter
Fcontrol 1~



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Motor protection units
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Electronic voltage
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for single phase alternating current, 2 pole

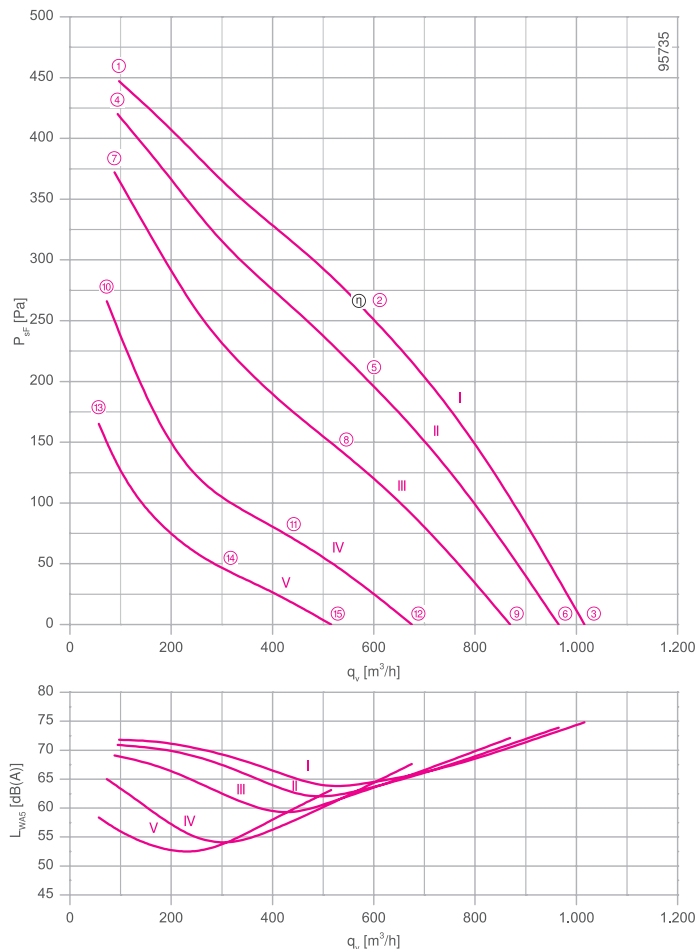
RH22V-2E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.12 kW*
 Rated current I_N : 0.52 A*
 Rated speed n_N : 2500 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 4.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -30 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

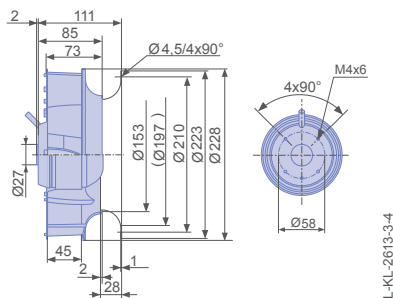


measured with inlet ring, without guard grille according to ISO 5801

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- Connection diagram 1360-177X SW Page 550
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Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH22V-2EP.WC.2R	I	230	①	0.40	90	2720	72
		230*	②	0.52*	120*	2490*	64
		230	③	0.46	110	2600	75
	II	200	④	0.40	75	2630	71
		200	⑤	0.52	100	2300	63
		200	⑥	0.46	90	2470	74
	III	170	⑦	0.40	65	2480	69
		170	⑧	0.52	85	1990	59
		170	⑨	0.46	80	2240	72
	IV	135	⑩	0.39	55	2100	65
		135	⑪	0.46	60	1600	62
		135	⑫	0.44	60	1730	68
	V	110	⑬	0.37	40	1650	58
		110	⑭	0.39	42	1180	57
		110	⑮	0.39	42	1330	63

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable variable 45cm



Type RH22V-2EP.WC.2R
Article no. 161614

Weight [kg] 2.40

* Inlet ring not included

Control technology

Frequency inverter
Fcontrol 1~



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Motor protection units
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controllers 1~



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Electronic voltage
controllers 1~



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Vpro

for single phase alternating current, 2 pole

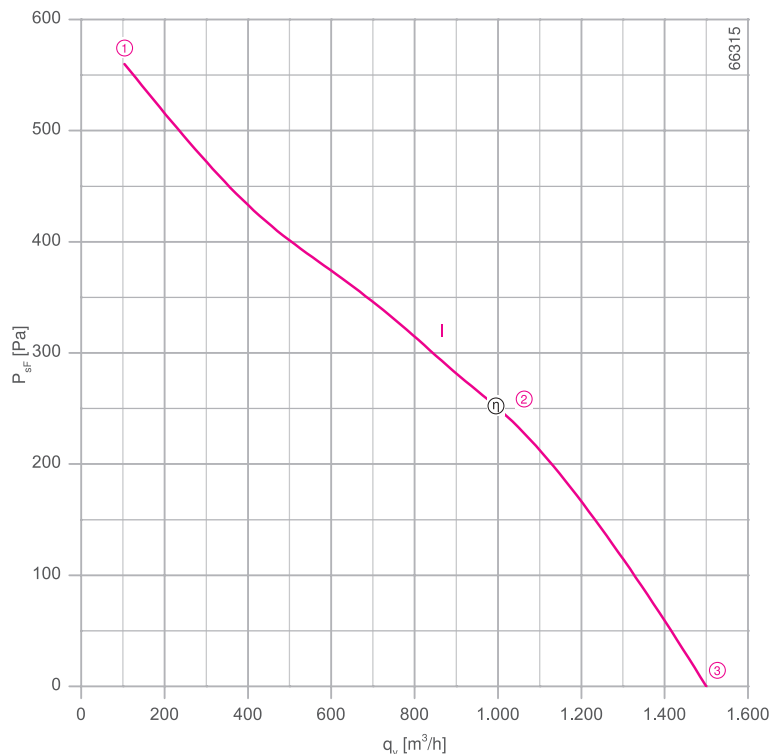
RH25V-2E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.20 kW*
 Rated current I_N : 0.86 A*
 Rated speed n_N : 2420 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 6.0 μ F
 Dynamic pressure: $p_{d2} = 2.9 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -30 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 * Rated data

Characteristic curve

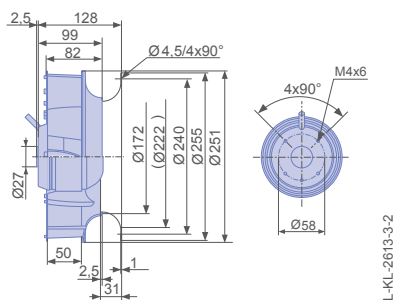


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00407900 Page 450
- Connection diagram 1360-177X SW Page 550
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Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH25V-2EP.WD.1R	I	230	①	0.54	120	2720	
		230*	②	0.86*	200*	2420*	67
		230	③	0.74	170	2550	78

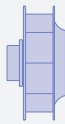
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Supply cable variable 45cm



Type RH25V-2EP.WD.1R
Article no. 113237

Weight [kg] 3.10
* Inlet ring not included

Control technology

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- General notes



Vpro

for single phase alternating current, 4 pole

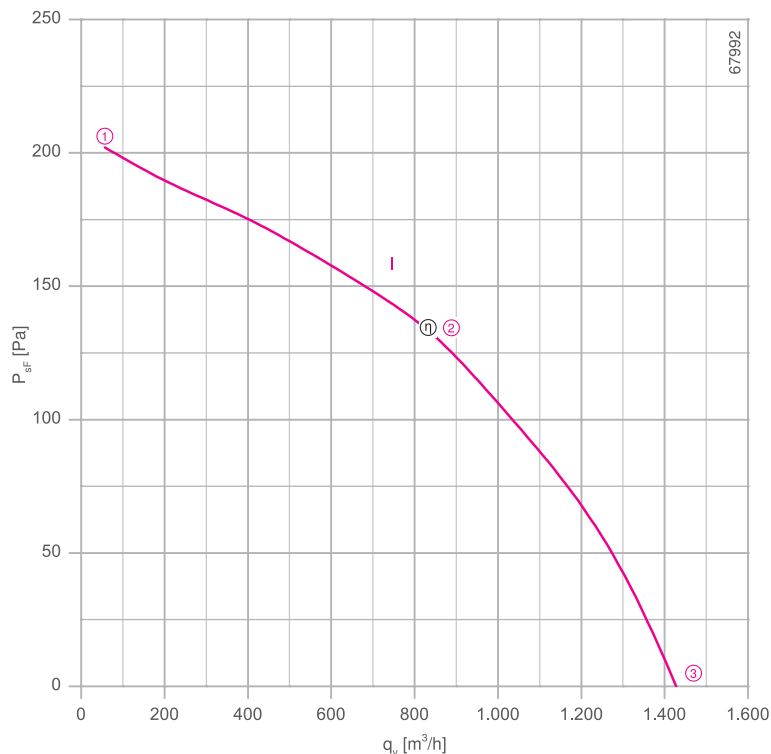
RH28V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.11 kW*
 Rated current I_N : 0.53 A*
 Rated speed n_N : 1360 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 4.0 μ F
 Dynamic pressure: $p_{d2} = 9.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -30 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

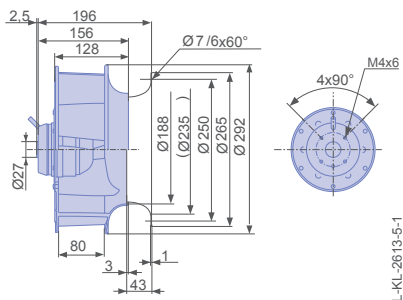


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275848 Page 450
- Connection diagram 1360-177X SW Page 550
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH28V-4EP.WD.1R	I	230	①	0.48	90	1420	62
		230*	②	0.54*	110*	1360*	59
		230	③	0.52	100	1390	66

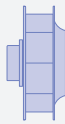
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable variable
45cm



Type RH28V-4EP.WD.1R
Article no. 113298

Weight [kg] 3.30
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 4 pole

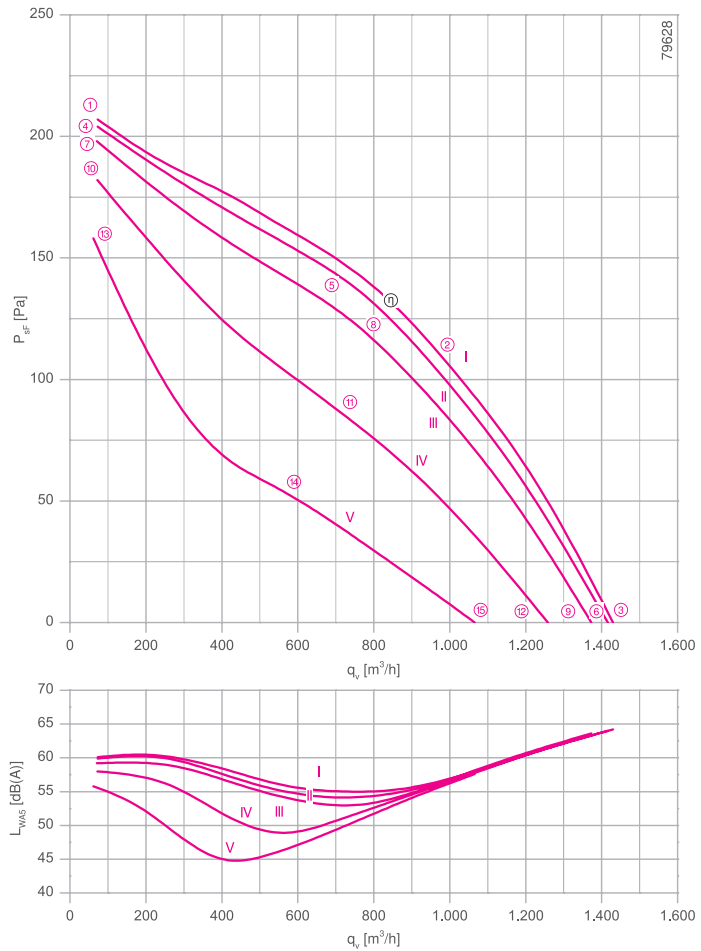
RH28V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.13 kW*
 Rated current I_N : 0.58 A*
 Rated speed n_N : 1350 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 5.0 μ F
 Dynamic pressure: $p_{d2} = 9.1 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

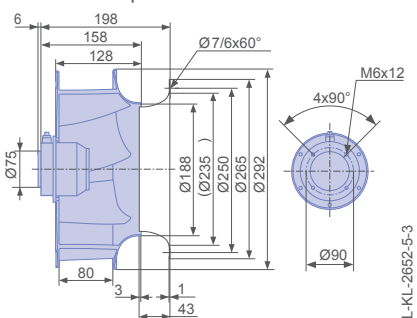


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275848 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH28V-4EK.2A.1R	I	230	①	0.54	110	1410	60
		230*	②	0.58*	130*	1350*	56
		230	③	0.56	120	1380	64
	II	200	④	0.42	80	1400	60
		200	⑤	0.50	100	1310	54
		200	⑥	0.46	90	1360	64
	III	170	⑦	0.37	60	1380	59
		170	⑧	0.46	80	1260	53
		170	⑨	0.42	70	1320	64
	IV	135	⑩	0.34	46	1320	58
		135	⑪	0.42	55	1100	51
		135	⑫	0.39	55	1220	62
	V	110	⑬	0.32	36	1230	56
		110	⑭	0.37	40	870	46
		110	⑮	0.36	38	1020	58

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH28V-4EK.2A.1R**
Article no. **113302**

Weight [kg] 3.30

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for three phase alternating current, 4 pole

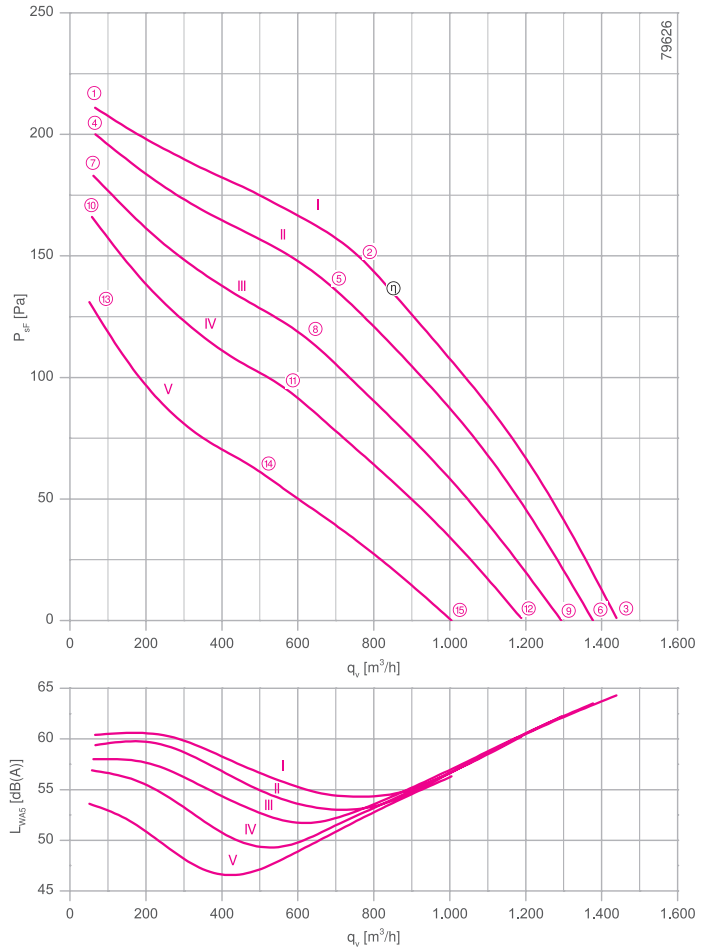
RH28V-4DK



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.09 kW*
 Rated current I_N : 0.42/0.24 A*
 Rated speed n_N : 1390 min⁻¹*
 Starting current I_s : 1.30 A / 0.75 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 9.1 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

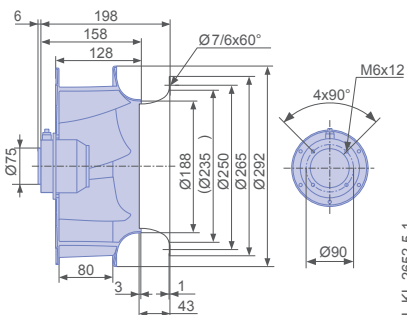


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275848 Page 450
- Connection diagram 1360-106XA SW Page 550
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH28V-4DK.2A.1R	I	400	①	0.23	65	1440	60
		400*	②	0.24*	90*	1390*	54
		400	③	0.23	80	1410	64
	II	300	④	0.16	46	1400	59
		300	⑤	0.18	70	1310	53
		300	⑥	0.17	60	1350	64
	III	230	⑦	0.13	38	1340	58
		230	⑧	0.18	60	1200	52
		230	⑨	0.15	50	1260	62
	IV	190	⑩	0.12	34	1270	57
		190	⑪	0.18	50	1090	49
		190	⑫	0.15	44	1170	60
	V	145	⑬	0.12	28	1130	54
		145	⑭	0.17	40	900	47
		145	⑮	0.15	36	990	56

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH28V-4DK.2A.1R**
Article no. **113258**

Weight [kg] 3.30

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4-4 pole

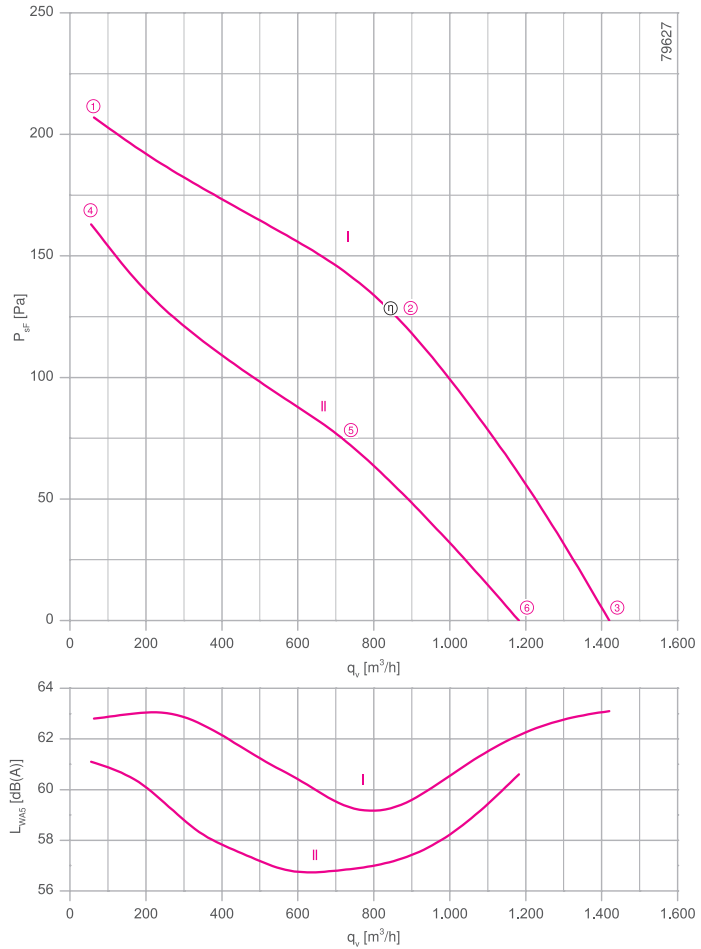
RH28V-VD



Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.08/0.05 kW*
 Rated current I_N : 0.16/0.08 A*
 Rated speed n_N : 1330/1060 min⁻¹*
 Starting current I_s : 0.46 A / 0.15 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 9.1 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

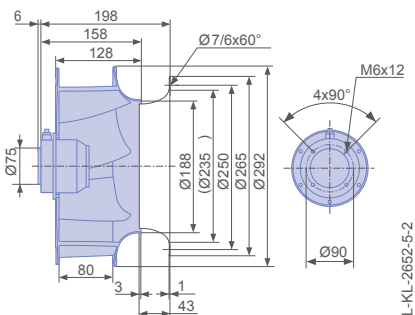


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275848 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH28V-VDK.2A.1R	Δ	I	400	①	0.14	50	1410	63
			400*	②	0.16*	80*	1330*	59
			400	③	0.14	65	1370	63
	Y	II	400	④	0.06	34	1250	61
			400*	⑤	0.08*	50*	1060*	57
			400	⑥	0.07	44	1140	61

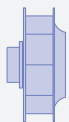
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable lateral 105cm



Type RH28V-VDK.2A.1R
Article no. 113278

Weight [kg] 3.30
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for single phase alternating current, 4 pole

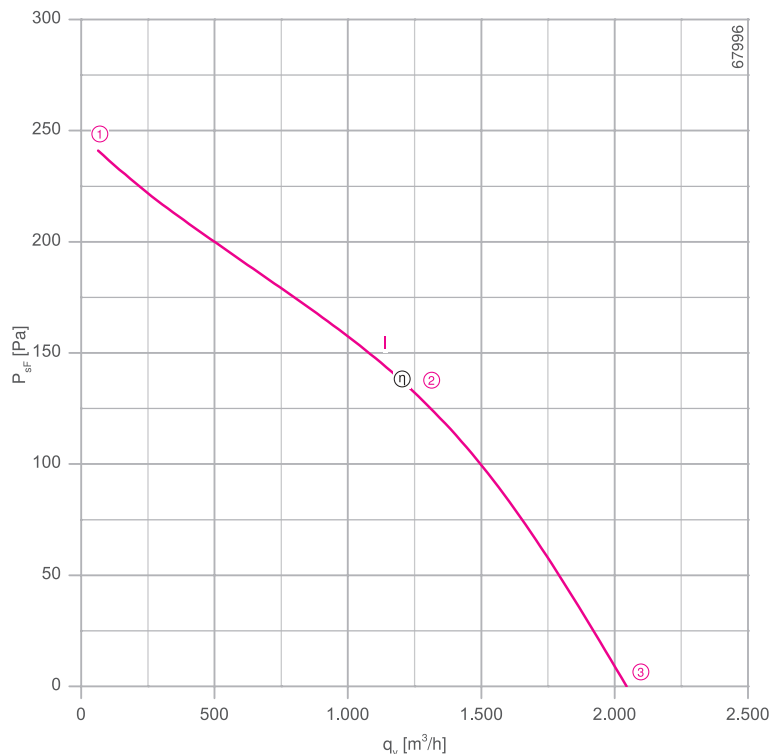
RH315V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.14 kW*
 Rated current I_N : 0.62 A*
 Rated speed n_N : 1240 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 4.0 μF
 Dynamic pressure: $p_{d2} = 5.8 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -30 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 * Rated data

Characteristic curve

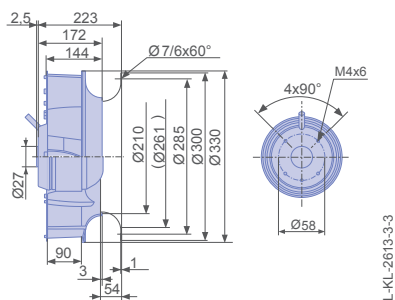


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-177X SW Page 550
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH31V-4EP.WD.1R	I	230	①	0.52	100	1370	64
		230*	②	0.62*	140*	1240*	60
		230	③	0.56	120	1310	67

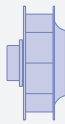
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Supply cable variable
45cm



Type RH31V-4EP.WD.1R
Article no. 113299

Weight [kg] 3.60
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

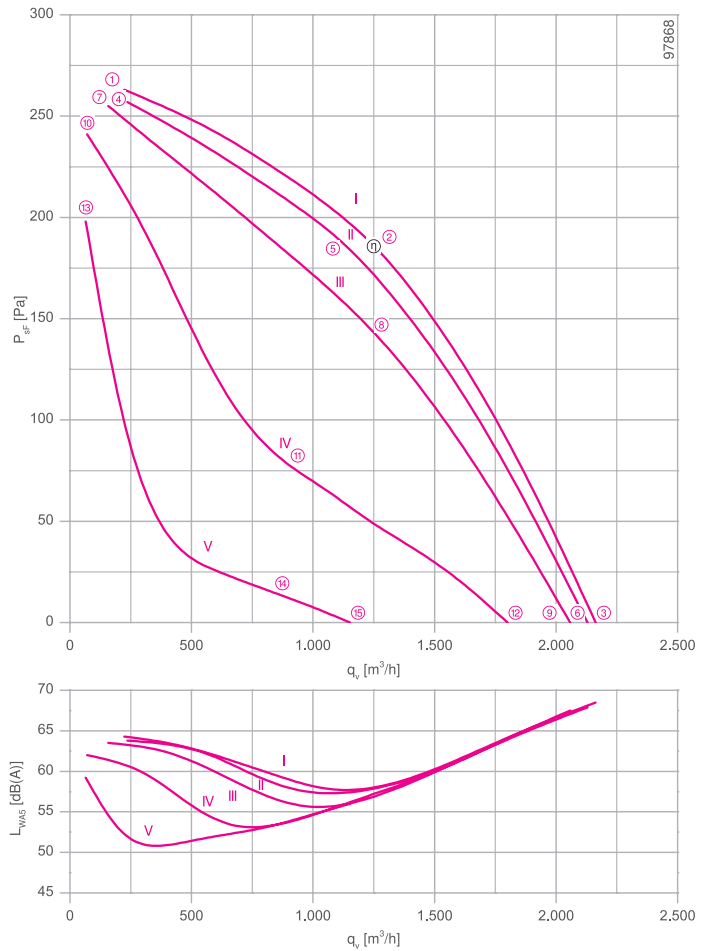
for single phase alternating current, 4 pole

RH31V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.16 kW*
 Rated current I_N : 0.74 A*
 Rated speed n_N : 1400 min⁻¹*
 Current increase ΔI : 35 %
 Service capacitor C_{400V} : 3.0 μ F
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 43.3 %
 Efficiency: $N_{actual} = 62.2 / N_{target} = 62^{**}$
 * Rated data
 **ErP 2015

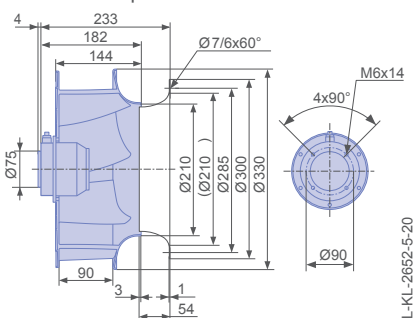


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH31V-4EK.0F.1R	I	230	①	0.60	110	1450	64
		230*	②	0.74*	160*	1400*	58
		230	③	0.66	130	1430	69
	II	200	④	0.54	100	1430	64
		200	⑤	0.76	140	1370	57
		200	⑥	0.62	120	1410	68
	III	170	⑦	0.50	80	1410	64
		170	⑧	0.84	140	1290	57
		170	⑨	0.66	110	1360	68
	IV	135	⑩	0.50	65	1370	62
		135	⑪	1.00	130	940	54
		135	⑫	0.82	110	1190	64
	V	110	⑬	0.58	65	1240	59
		110	⑭	0.94	95	610	53
		110	⑮	0.90	90	780	56

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm





Type RH31V-4EK.0F.1R
Article no. 161819

Weight [kg] 4.40

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 4 pole

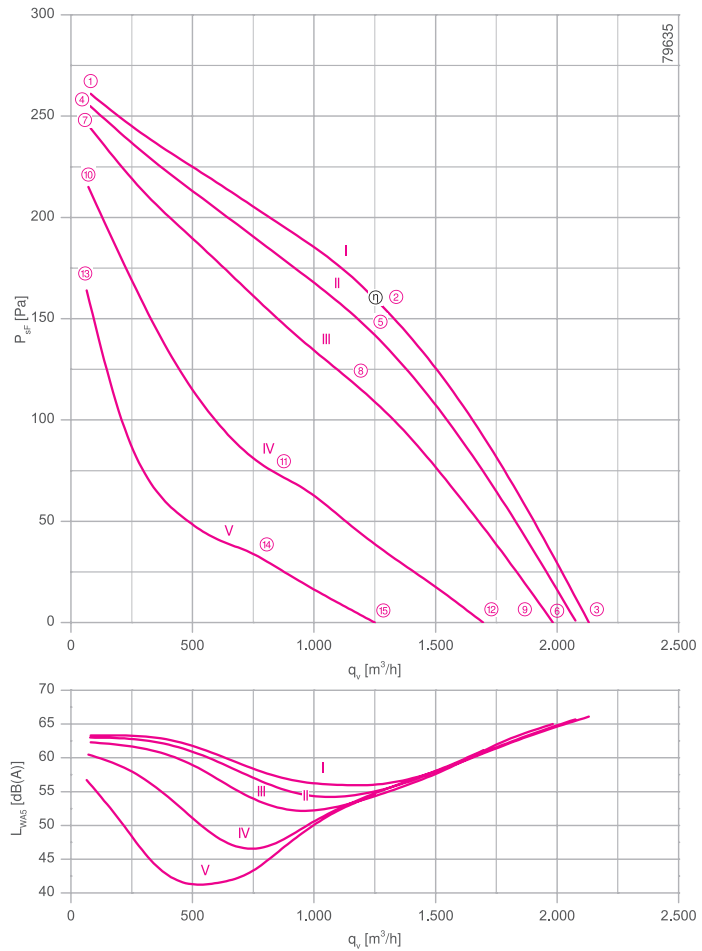
RH31V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V±10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.17 kW*
 Rated current I_N : 0.82 A*
 Rated speed n_N : 1310 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 6.0 µF
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

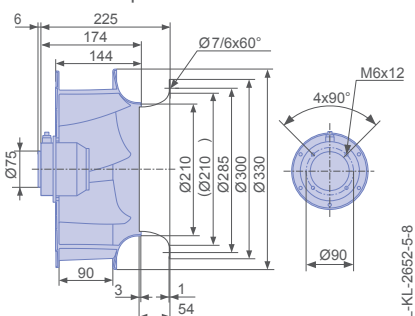


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH31V-4EK.2C.1R	I	230	①	0.70	140	1410	63
		230*	②	0.82*	170*	1310*	56
		230	③	0.74	160	1360	66
	II	200	④	0.56	110	1390	63
		200	⑤	0.74	140	1260	55
		200	⑥	0.66	130	1330	66
	III	170	⑦	0.50	85	1360	62
		170	⑧	0.72	120	1160	53
		170	⑨	0.62	100	1270	65
	IV	135	⑩	0.48	65	1280	61
		135	⑪	0.68	85	890	47
		135	⑫	0.60	80	1080	61
	V	110	⑬	0.48	50	1120	57
		110	⑭	0.58	60	660	42
		110	⑮	0.56	55	810	55

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type RH31V-4EK.2C.1R
Article no. 113303

Weight [kg] 4.20

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 4 pole

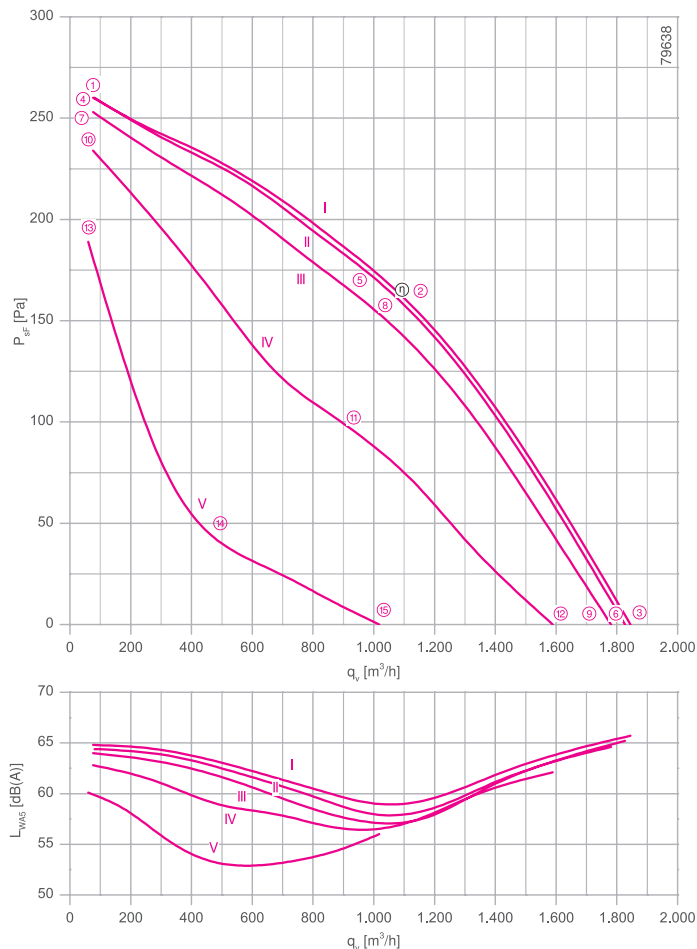
RH31V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.20 kW*
 Rated current I_N : 1.40 A*
 Rated speed n_N : 1390 min⁻¹*
 Starting current I_s : 3.00 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 4.0 μ F
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

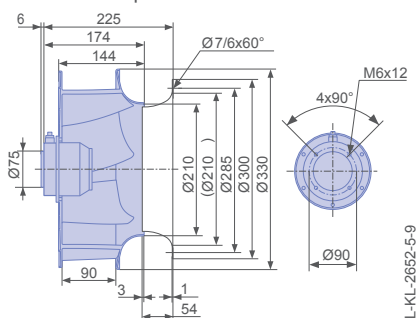


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH31V-4EK.2F.1R	I	230	①	1.35	170	1430	65
		230*	②	1.40*	200*	1390*	59
		230	③	1.35	190	1410	66
	II	200	④	1.00	120	1430	64
		200	⑤	1.10	160	1380	58
		200	⑥	1.05	140	1390	65
	III	170	⑦	0.78	95	1410	64
		170	⑧	0.98	130	1330	57
		170	⑨	0.90	120	1360	65
	IV	135	⑩	0.72	80	1350	63
		135	⑪	1.10	120	1110	57
		135	⑫	0.96	100	1210	62
	V	110	⑬	0.78	70	1210	60
		110	⑭	1.05	85	720	54
		110	⑮	1.00	80	790	56

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm





Type **RH31V-4EK.2F.1R**
Article no. **113369**

Weight [kg] 5.00

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

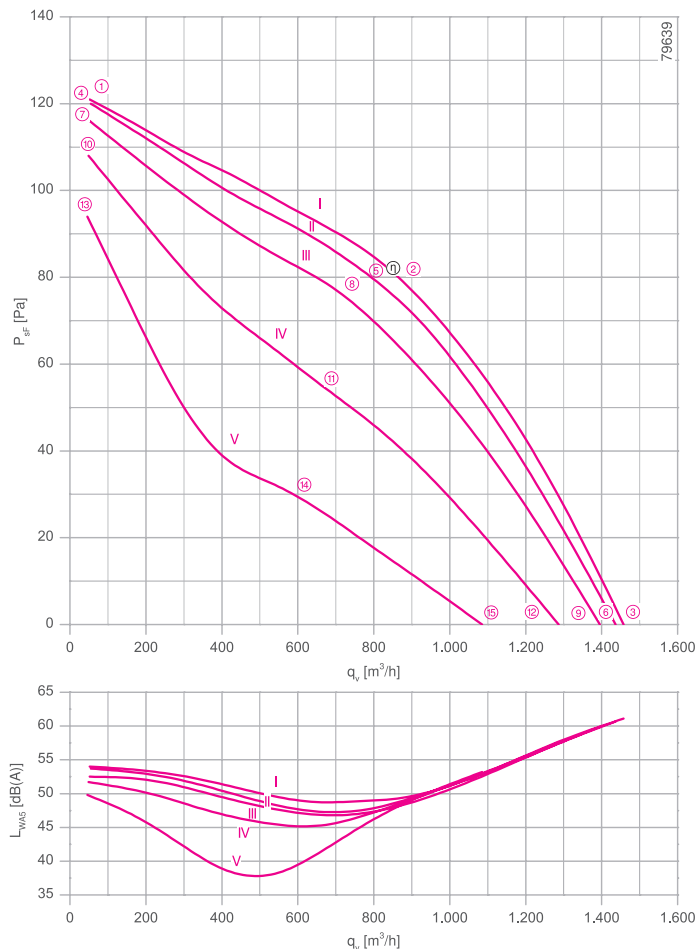
RH315V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.08 kW*
 Rated current I_N : 0.42 A*
 Rated speed n_N : 920 min⁻¹*
 Starting current I_A : 0.70 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 2.0 μ F
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller: High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

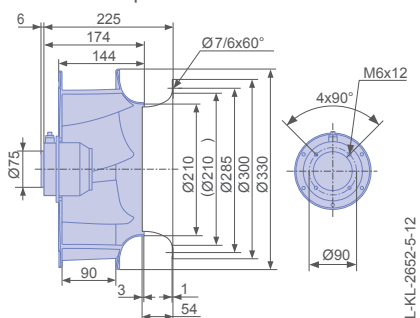


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH31V-6EK.2A.1R	I	230	①	0.40	70	960	54
		230*	②	0.42*	80*	920*	49
		230	③	0.42	75	940	61
	II	200	④	0.32	50	950	54
		200	⑤	0.37	65	900	48
		200	⑥	0.34	60	920	61
	III	170	⑦	0.27	40	940	53
		170	⑧	0.34	55	860	48
		170	⑨	0.31	46	900	60
	IV	135	⑩	0.24	28	900	52
		135	⑪	0.33	40	740	45
		135	⑫	0.29	36	830	58
	V	110	⑬	0.23	22	840	50
		110	⑭	0.28	28	700	53
110		⑮	0.31	30	580	38	

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH31V-6EK.2A.1R**
Article no. **113304**

Weight [kg] 3.60

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for three phase alternating current, 4 pole

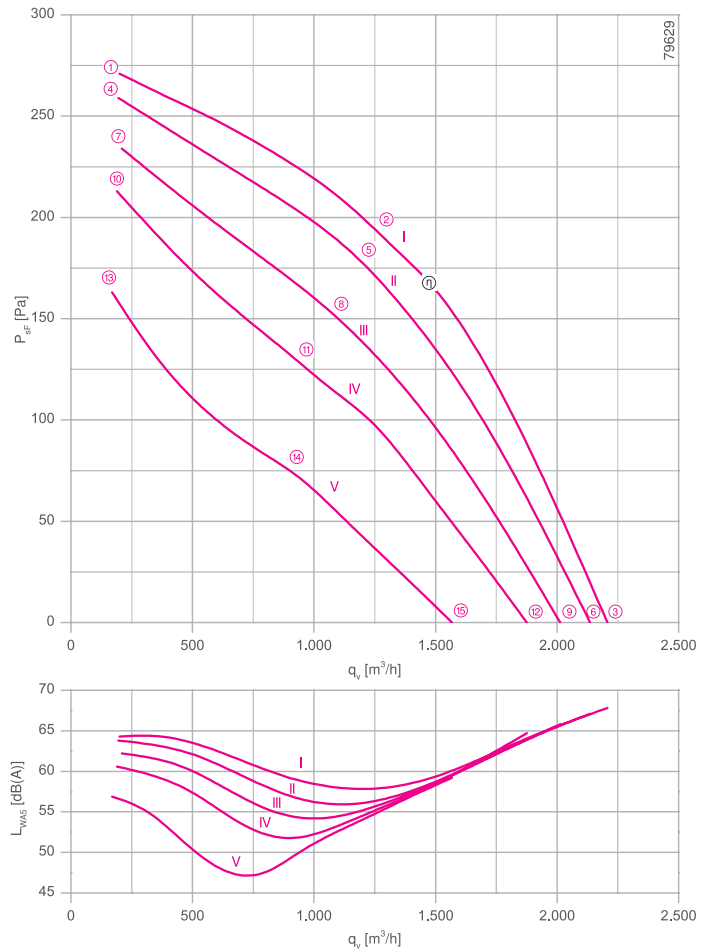
RH315V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.15 kW*
 Rated current I_N : 0.64/0.37 A*
 Rated speed n_N : 1410 min⁻¹*
 Starting current I_s : 2.80 A / 1.70 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 45.6 %
 Efficiency: $N_{actual} = 64.6 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

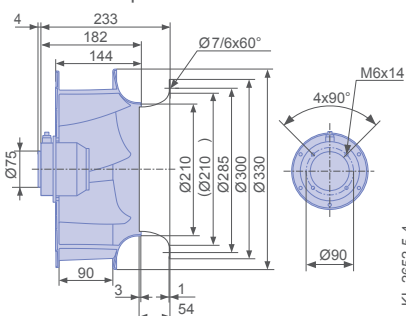


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH31V-4DK.0F.1R	I	400	①	0.34	100	1450	64
		400*	②	0.37*	150*	1410*	58
		400	③	0.35	130	1440	68
	II	300	④	0.25	85	1420	64
		300	⑤	0.32	130	1350	56
		300	⑥	0.28	110	1390	67
	III	230	⑦	0.24	80	1350	62
		230	⑧	0.34	120	1240	56
		230	⑨	0.28	95	1310	66
	IV	190	⑩	0.25	70	1290	61
		190	⑪	0.36	110	1130	53
		190	⑫	0.30	85	1220	65
	V	145	⑬	0.27	60	1130	57
		145	⑭	0.35	80	920	53
		145	⑮	0.31	70	1030	59

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type **RH31V-4DK.0F.1R**
Article no. **113296**

Weight [kg] 4.40

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4 pole

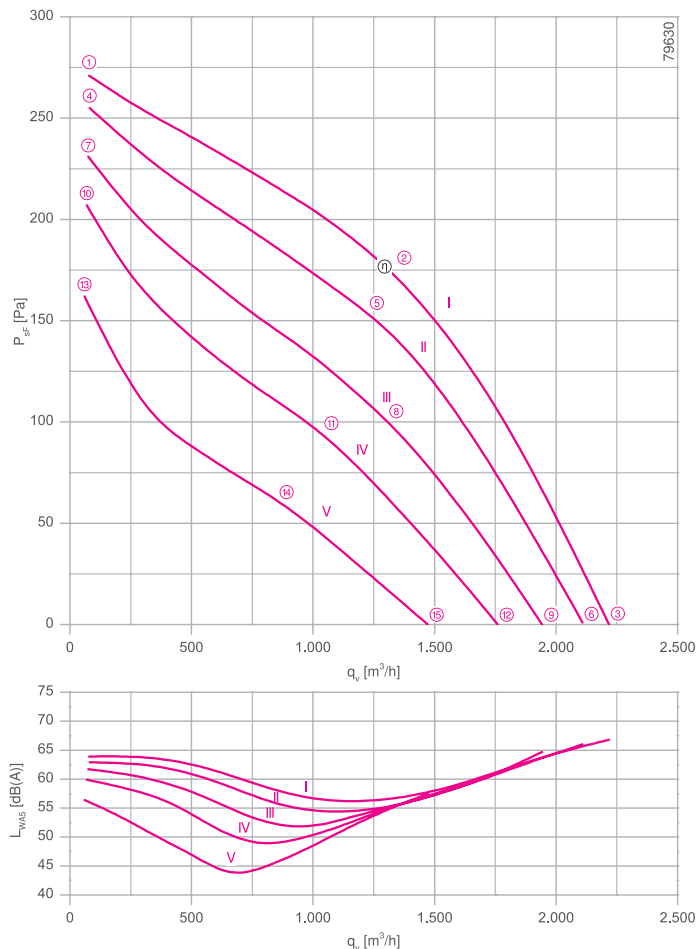
RH31V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.15 kW*
 Rated current I_N : 0.61/0.35 A*
 Rated speed n_N : 1370 min⁻¹*
 Starting current I_s : 2.20 A / 1.20 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 42.9 %
 Efficiency: $N_{actual} = 62.0 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

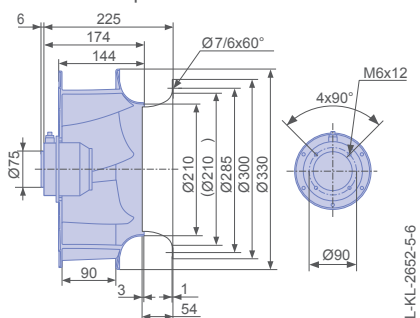


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



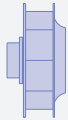
Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH31V-4DK.2C.1R	I	400	①	0.32	95	1440	64
		400*	②	0.35*	150*	1370*	57
		400	③	0.33	120	1400	67
	II	300	④	0.23	75	1390	63
		300	⑤	0.30	130	1280	54
		300	⑥	0.26	100	1330	66
	III	230	⑦	0.20	60	1330	62
		230	⑧	0.30	110	1150	54
		230	⑨	0.26	85	1230	65
	IV	190	⑩	0.20	55	1250	60
		190	⑪	0.30	90	1030	50
		190	⑫	0.26	75	1130	61
	V	145	⑬	0.20	46	1110	56
		145	⑭	0.28	65	830	45
		145	⑮	0.25	60	950	58

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type **RH31V-4DK.2C.1R**
Article no. **113259**

Weight [kg] 4.20

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

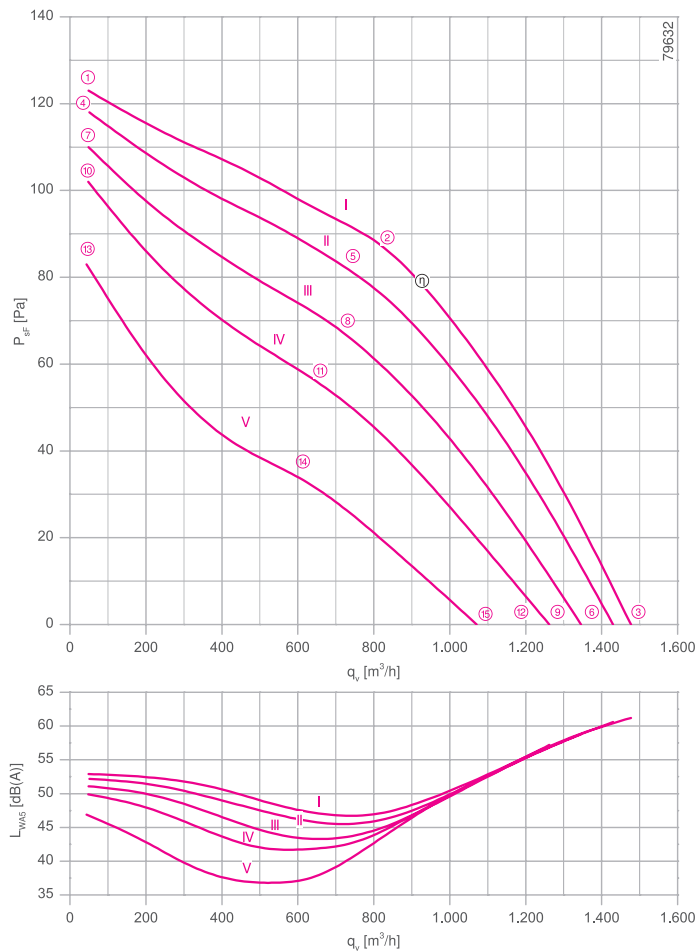
RH315V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.08 kW*
 Rated current I_N : 0.42/0.24 A*
 Rated speed n_N : 930 min⁻¹*
 Starting current I_A : 0.90 A / 0.55 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

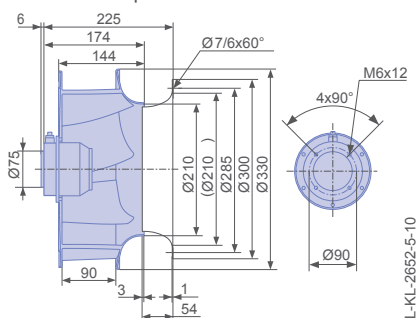
Characteristic curve



- Inlet ring 00335943 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH31V-6DK.2A.1R	I	400	①	0.24	60	970	53
		400*	②	0.24*	80*	930*	47
		400	③	0.24	70	950	61
	II	300	④	0.16	38	940	52
		300	⑤	0.18	55	890	46
		300	⑥	0.17	46	920	61
	III	230	⑦	0.13	28	910	51
		230	⑧	0.15	42	820	45
		230	⑨	0.14	36	860	59
	IV	190	⑩	0.11	22	880	50
		190	⑪	0.14	36	750	43
		190	⑫	0.13	30	810	57
	V	145	⑬	0.10	18	790	47
		145	⑭	0.13	26	610	37
		145	⑮	0.12	22	690	52

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH31V-6DK.2A.1R**
Article no. **113260**

Weight [kg] 3.60

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4-4 pole

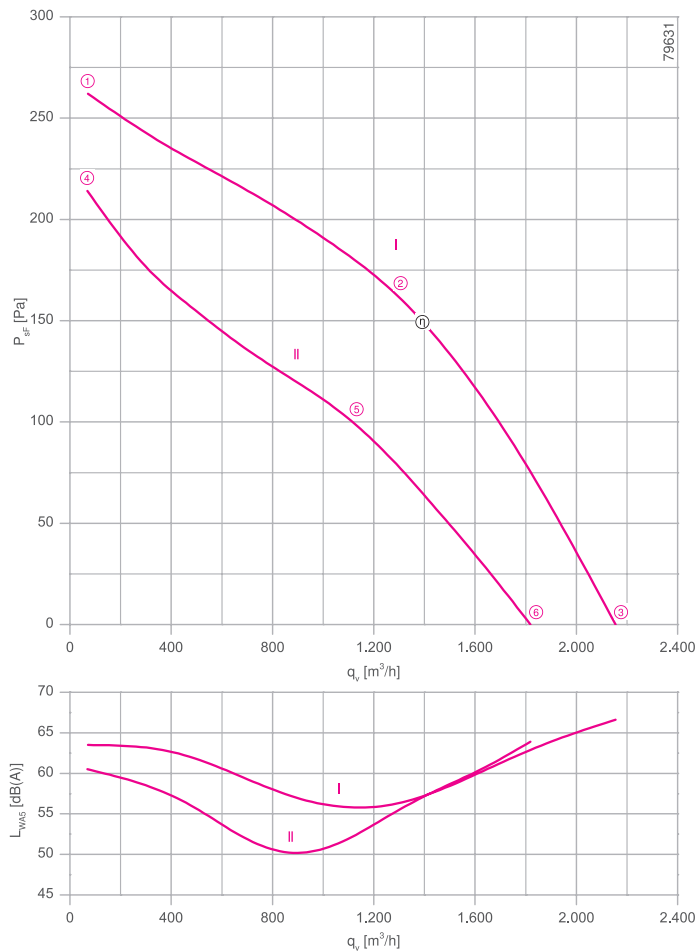
RH315V-VD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0,14/0,095 kW*
 Rated current I_N : 0,29/0,15 A*
 Rated speed n_N : 1340/1090 min⁻¹*
 Starting current I_a : 1.00 A / 0.32 A
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(\min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(\max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 42.8 %
 Efficiency: $N_{\text{actual}} = 62.4 / N_{\text{target}} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

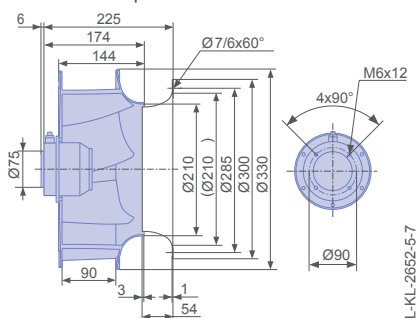


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH31V-VDK.2C.1R	Δ	I	400	①	0.24	80	1430	64
			400*	②	0.29*	140*	1340*	56
			400	③	0.27	110	1380	67
	Y	II	400	④	0.10	55	1290	61
			400*	⑤	0.15*	95*	1090*	52
			400	⑥	0.13	80	1180	64

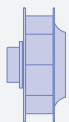
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable lateral 105cm



Type RH31V-VDK.2C.1R
Article no. 113276

Weight [kg] 4.20
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6-6 pole

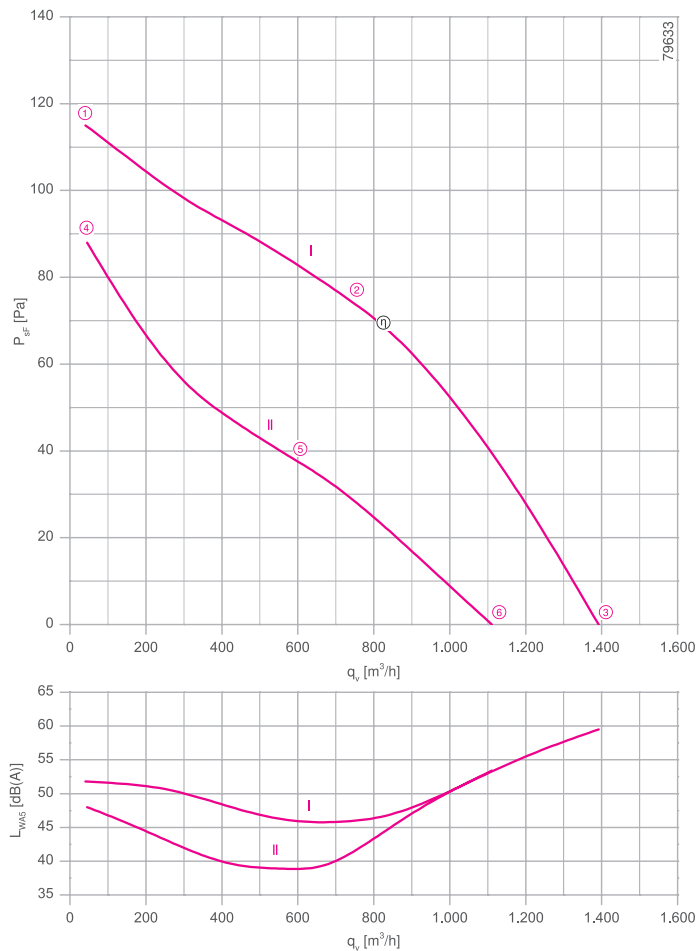
RH315-SD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) $\pm 10\%$ *
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.05/0.03 kW*
 Rated current I_N : 0.11/0.05 A*
 Rated speed n_N : 870/ 640 min⁻¹*
 Starting current I_A : 0.22 A / 0.07 A
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

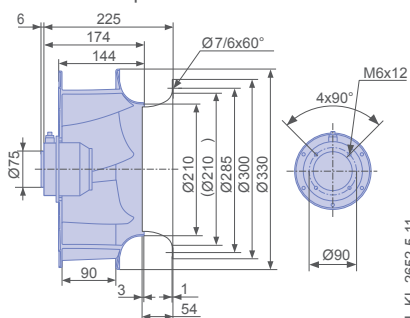


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00335943 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH31V-SDK.2A.1R	Δ	I	400	①	0.10	34	940	52
			400*	②	0.11*	50*	870*	47
			400	③	0.10	44	900	60
	Y	II	400	④	0.04	20	820	48
			400*	⑤	0.05*	30*	640*	39
			400	⑥	0.04	26	720	53

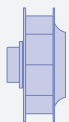
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable lateral 105cm



Type RH31V-SDK.2A.1R
Article no. 113277

Weight [kg] 3.60
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for single phase alternating current, 4 pole

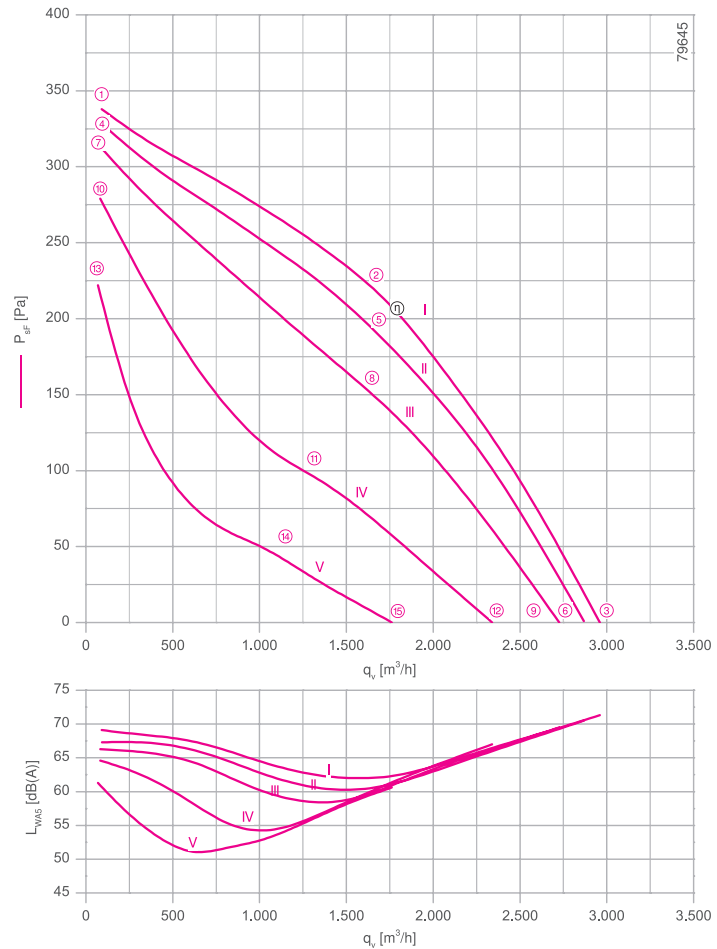
RH35V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.28 kW*
 Rated current I_N : 1.25 A*
 Rated speed n_N : 1340 min⁻¹*
 Starting current I_s : 3.00 A
 Current increase ΔI : 10 %
 Service capacitor C_{400V} : 5.0 μ F
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

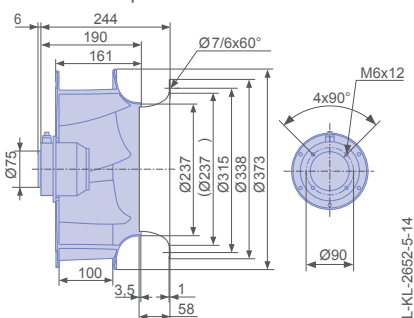


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH35V-4EK.2F.1R	I	230	①	0.88	200	1430	69
		230*	②	1.25*	280*	1340*	62
		230	③	1.10	250	1380	71
	II	200	④	0.84	170	1400	67
		200	⑤	1.25	250	1290	61
		200	⑥	1.10	220	1340	71
	III	170	⑦	0.82	140	1370	66
		170	⑧	1.30	220	1190	59
		170	⑨	1.15	190	1270	70
	IV	135	⑩	0.86	120	1300	65
		135	⑪	1.35	180	940	54
		135	⑫	1.20	160	1100	67
	V	110	⑬	0.88	95	1160	61
		110	⑭	1.20	130	720	55
		110	⑮	1.15	120	840	61

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH35V-4EK.2F.1R**
Article no. **113370**

Weight [kg] 5.50

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 4 pole

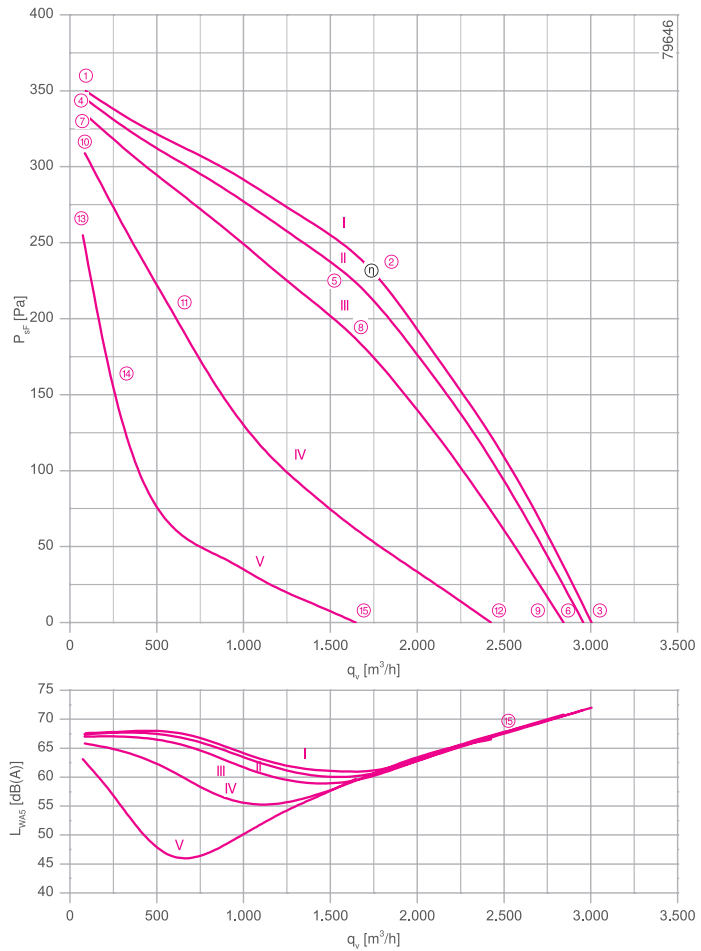
RH35V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.27 kW*
 Rated current I_N : 1.30 A*
 Rated speed n_N : 1390 min⁻¹*
 Current increase ΔI : 25 %
 Service capacitor C_{400V} : 6.0 μ F
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 42.6 %
 Efficiency: $N_{actual} = 59.1 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

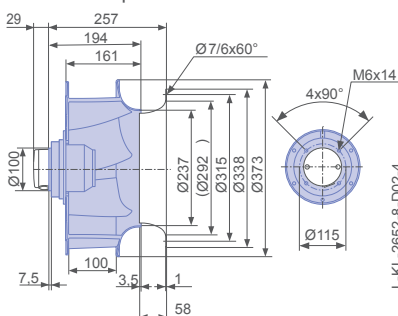


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH35V-4EK.4C.1R	I	230	①	1.00	170	1450	68
		230*	②	1.30*	270*	1390*	61
		230	③	1.20	230	1410	72
	II	200	④	0.82	140	1440	67
		200	⑤	1.30	240	1350	60
		200	⑥	1.10	200	1390	72
	III	170	⑦	0.78	120	1420	67
		170	⑧	1.40	220	1280	59
		170	⑨	1.15	190	1340	71
	IV	135	⑩	0.82	110	1360	66
		135	⑪	1.60	190	940	54
		135	⑫	1.35	170	1150	67
	V	110	⑬	0.96	100	1240	63
		110	⑭	1.45	130	650	46
		110	⑮	1.40	130	780	60

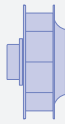
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH35V-4EK.4C.1R
Article no. 113305

Weight [kg] 6.50

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 4 pole

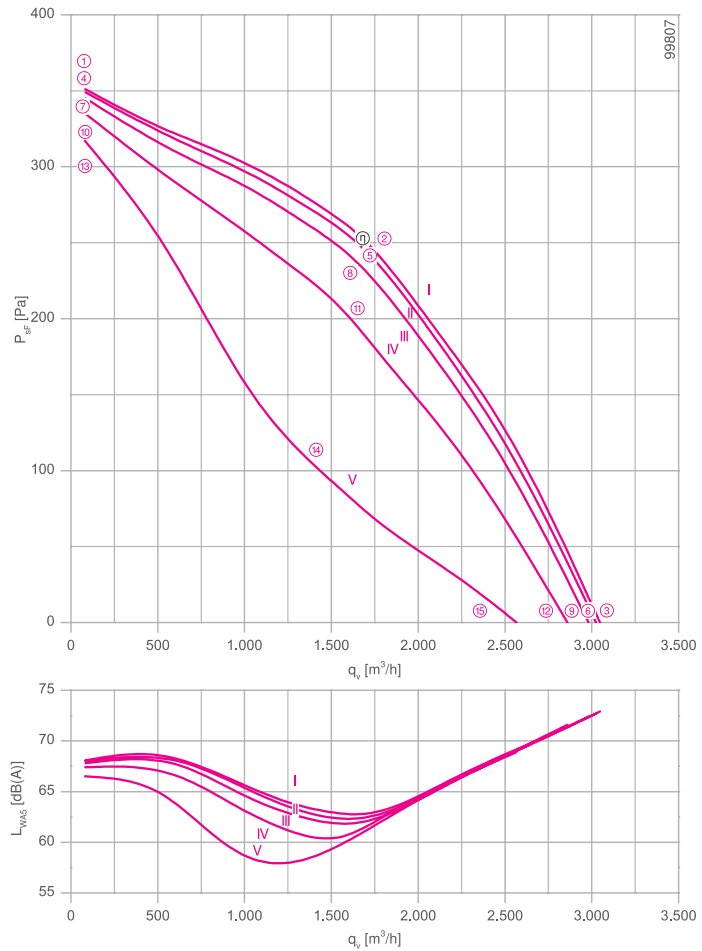
RH35V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.29 kW*
 Rated current I_N : 1.50 A*
 Rated speed n_N : 1440 min⁻¹*
 Current increase ΔI : 30 %
 Service capacitor C_{400V} : 8.0 μ F
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 42.6 %
 Efficiency: $N_{actual} = 58.8 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

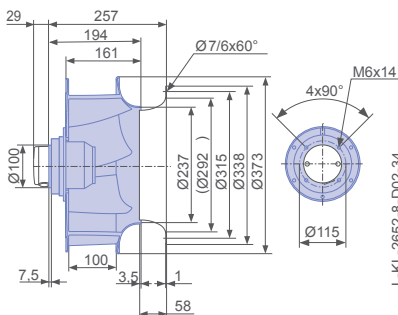


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH35V-4EK.4F.1R	I	230	①	1.30	190	1470	68
		230*	②	1.50*	290*	1440*	63
		230	③	1.40	260	1450	73
	II	200	④	0.90	150	1470	68
		200	⑤	1.35	260	1430	62
		200	⑥	1.20	220	1440	73
	III	170	⑦	0.80	130	1460	68
		170	⑧	1.45	240	1400	62
		170	⑨	1.20	200	1420	72
	IV	135	⑩	0.86	110	1440	67
		135	⑪	1.75	230	1310	61
		135	⑫	1.40	190	1370	72
	V	110	⑬	0.96	100	1400	67
		110	⑭	2.40	230	990	62
		110	⑮	1.80	190	1230	69

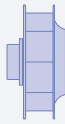
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo




Electrical connection Cable box D02 with cable lateral 105cm



Type RH35V-4EK.4F.1R
Article no. 160176

Weight [kg] 7.90
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

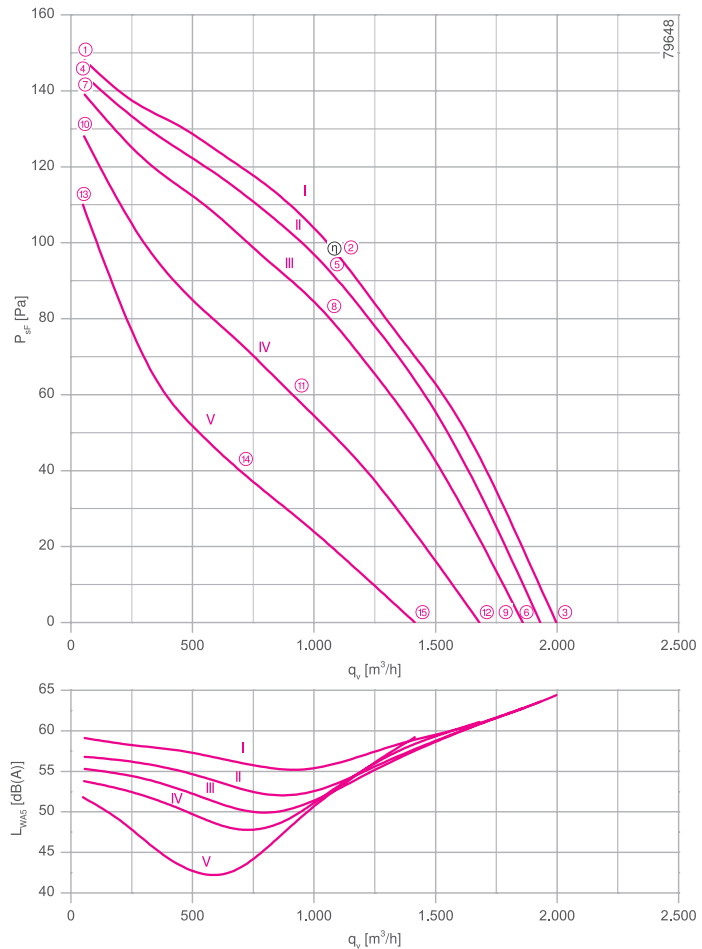
RH35V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.11 kW*
 Rated current I_N : 0.48 A*
 Rated speed n_N : 910 min⁻¹*
 Starting current I_A : 1.00 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 4.0 μ F
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155**
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

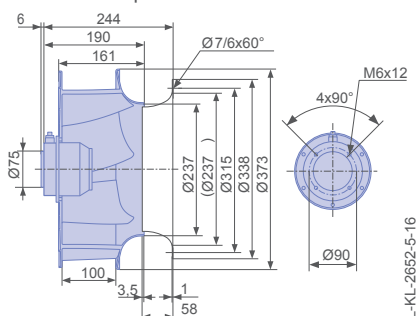


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH35V-6EK.2C.1R	I	230	①	0.44	95	950	59
		230*	②	0.48*	110*	910*	56
		230	③	0.46	100	930	64
	II	200	④	0.36	70	940	57
		200	⑤	0.46	90	880	53
		200	⑥	0.42	85	910	64
	III	170	⑦	0.32	55	930	55
		170	⑧	0.44	75	840	52
		170	⑨	0.39	65	880	63
	IV	135	⑩	0.30	42	890	54
		135	⑪	0.42	55	730	48
		135	⑫	0.38	50	790	61
	V	110	⑬	0.29	32	820	52
		110	⑭	0.40	44	580	43
		110	⑮	0.37	40	670	59

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type RH35V-6EK.2C.1R
Article no. 113371

Weight [kg] 4.70

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for three phase alternating current, 4 pole

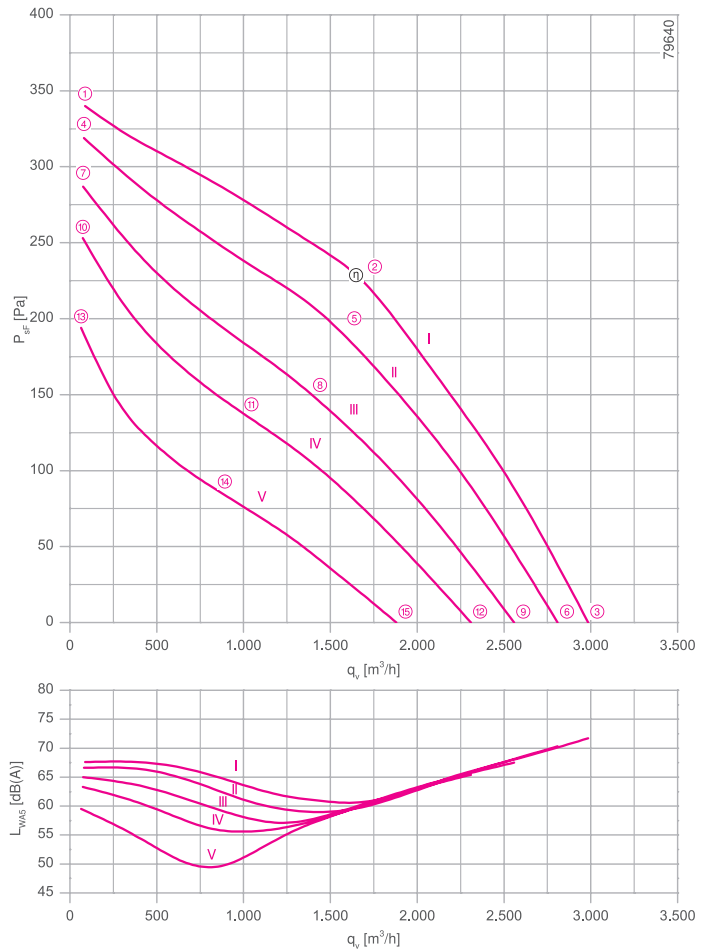
RH35V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.24 kW*
 Rated current I_N : 0.87/0.50 A*
 Rated speed n_N : 1350 min⁻¹*
 Starting current I_A : 3.40 A / 2.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 45.0 %
 Efficiency: $N_{actual} = 62.0 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

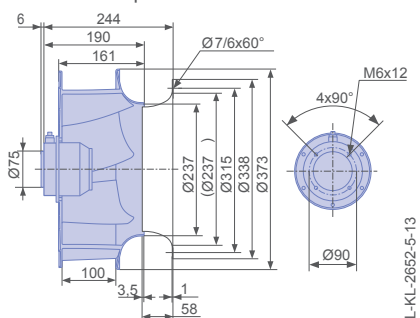


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH35V-4DK.2F.1R	I	400	①	0.44	140	1430	68
		400*	②	0.50*	240*	1350*	61
		400	③	0.48	200	1390	72
	II	300	④	0.33	110	1390	67
		300	⑤	0.46	200	1260	59
		300	⑥	0.42	170	1310	70
	III	230	⑦	0.31	100	1310	65
		230	⑧	0.48	170	1130	57
		230	⑨	0.42	150	1190	68
	IV	190	⑩	0.32	90	1240	63
		190	⑪	0.48	140	1010	57
		190	⑫	0.42	130	1080	65
	V	145	⑬	0.33	75	1080	60
		145	⑭	0.46	100	810	50
		145	⑮	0.42	95	890	62


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable lateral 105cm



Type RH35V-4DK.2F.1R
Article no. 113252

Weight [kg] 5.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4 pole

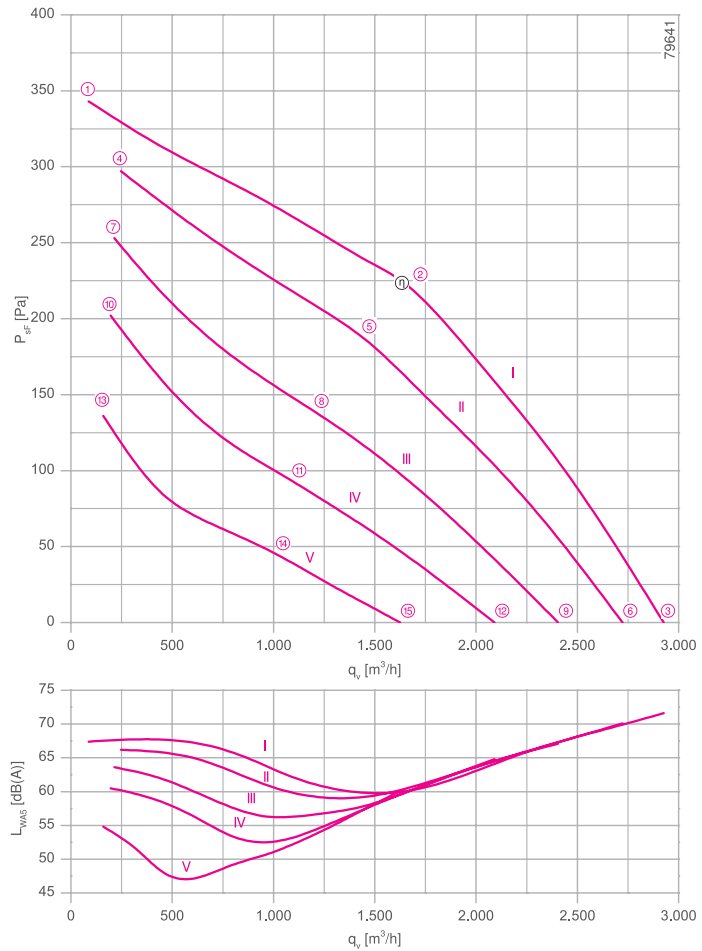
RH35V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.24 kW*
 Rated current I_N : 0.76/0.44 A*
 Rated speed n_N : 1340 min⁻¹*
 Starting current I_A : 2.40 A / 1.40 A
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(\min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(\max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 44.9 %
 Efficiency: $N_{\text{actual}} = 62.0 / N_{\text{target}} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

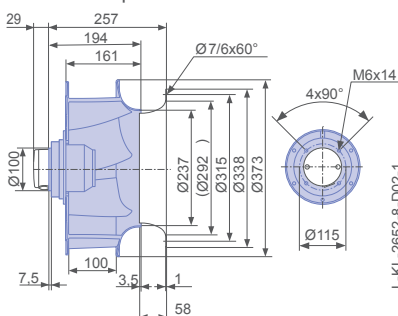


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH35V-4DK.4A.1R	I	400	①	0.34	130	1430	67
		400*	②	0.44*	240*	1340*	60
		400	③	0.39	190	1370	72
	II	300	④	0.31	130	1340	66
		300	⑤	0.44	200	1220	59
		300	⑥	0.38	170	1280	70
	III	230	⑦	0.32	110	1240	64
		230	⑧	0.46	160	1040	57
		230	⑨	0.40	140	1140	67
	IV	190	⑩	0.34	100	1110	61
		190	⑪	0.46	130	880	53
		190	⑫	0.42	120	990	65
	V	145	⑬	0.34	75	910	55
		145	⑭	0.40	90	680	49
		145	⑮	0.37	85	770	60

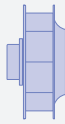
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH35V-4DK.4A.1R
Article no. 113261

Weight [kg] 5.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4 pole

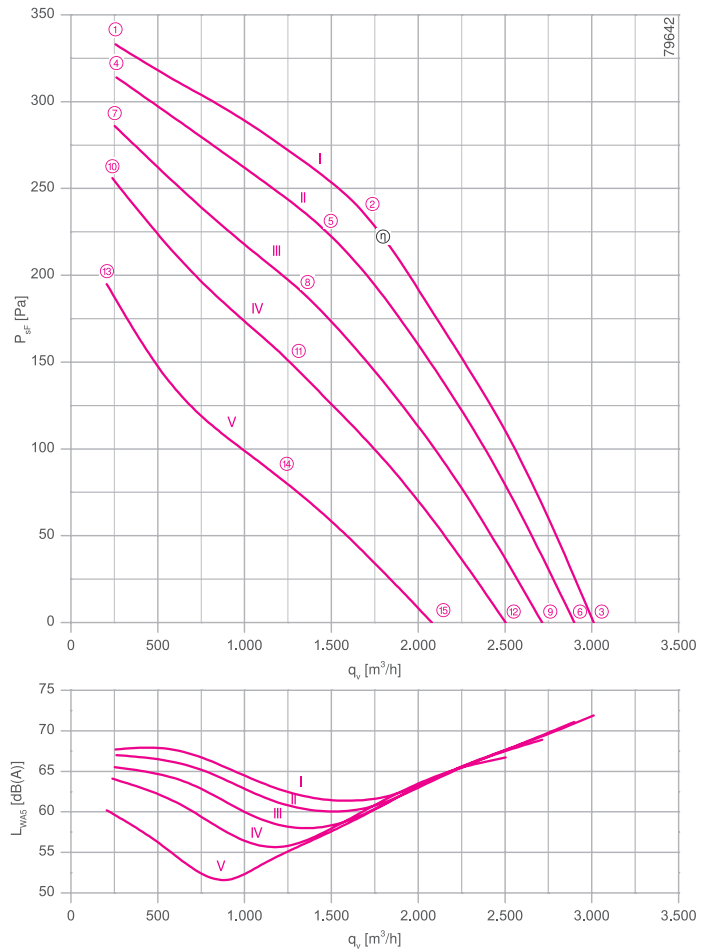
RH35V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.25 kW*
 Rated current I_N : 1,10/0,64 A*
 Rated speed n_N : 1400 min⁻¹*
 Starting current I_s : 4.00 A / 2.40 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 45.6 %
 Efficiency: $\eta_{actual} = 62.5 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

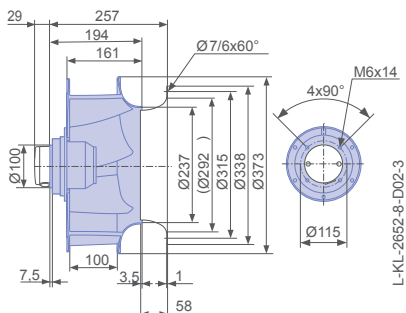


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH35V-4DK.4C.1R	I	400	①	0.58	160	1440	68
		400*	②	0.64*	250*	1400*	61
		400	③	0.62	210	1420	72
	II	300	④	0.42	140	1400	67
		300	⑤	0.54	210	1330	61
		300	⑥	0.48	180	1370	71
	III	230	⑦	0.40	120	1340	66
		230	⑧	0.56	180	1220	58
		230	⑨	0.48	160	1280	69
	IV	190	⑩	0.42	110	1270	64
		190	⑪	0.58	160	1110	56
		190	⑫	0.50	140	1180	67
	V	145	⑬	0.44	90	1110	60
		145	⑭	0.56	110	890	53
		145	⑮	0.52	110	990	64

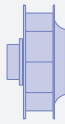
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH35V-4DK.4C.1R
Article no. 113451

Weight [kg] 6.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

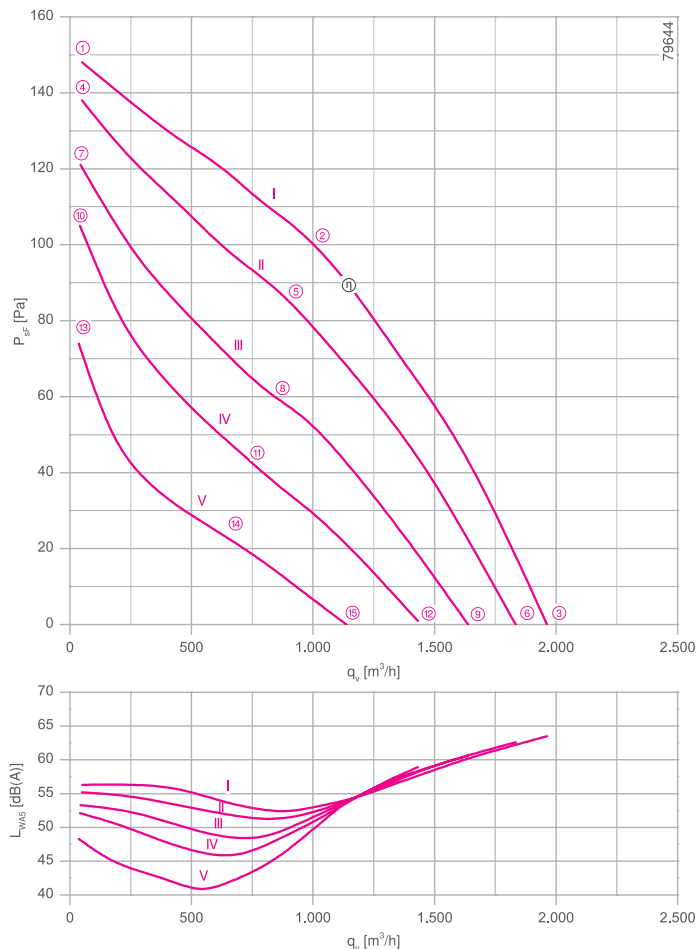
RH35V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.10 kW*
 Rated current I_N : 0.42/0.24 A*
 Rated speed n_N : 890 min⁻¹*
 Starting current I_s : 0.90 A / 0.55 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: CE
ErP-data
 Not subject to ErP regulations ($P_1 < 125$ W)
 * Rated data

Characteristic curve

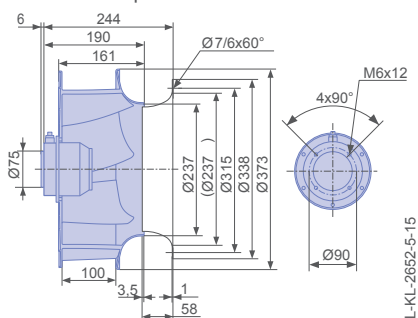


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH35V-6DK.2A.1R	I	400	①	0.23	70	950	56
		400*	②	0.24*	100*	890*	53
		400	③	0.24	85	910	64
	II	300	④	0.16	46	910	55
		300	⑤	0.19	70	810	51
		300	⑥	0.18	60	850	63
	III	230	⑦	0.14	36	850	53
		230	⑧	0.18	55	700	49
		230	⑨	0.16	48	760	61
	IV	190	⑩	0.13	30	790	52
		190	⑪	0.17	44	610	46
		190	⑫	0.15	40	670	59
	V	145	⑬	0.12	24	670	48
		145	⑭	0.15	30	470	41
		145	⑮	0.14	28	530	54

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH35V-6DK.2A.1R**
Article no. **113253**

Weight [kg] 4.10

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for single phase alternating current, 6-6 pole

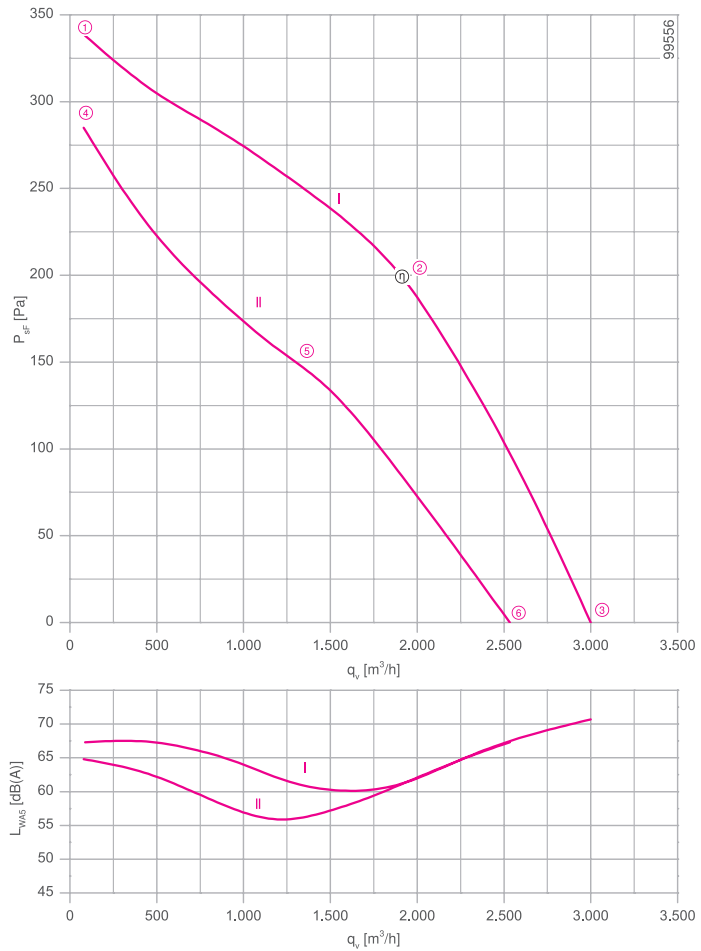
RH35V-VD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.24/0.17 kW*
 Rated current I_N : 0.48/0.28 A*
 Rated speed n_N : 1350/1100 min⁻¹*
 Starting current I_a : 1.60 A / 0.50 A
 Current increase ΔI : 15 %
 Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 45.2 %
 Efficiency: $N_{actual} = 62.2 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

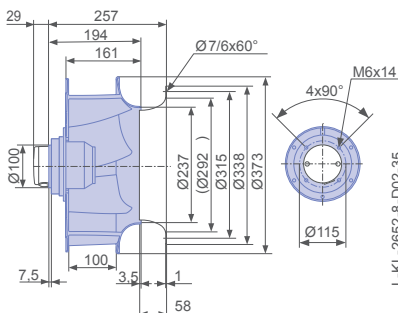


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275850 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH35V-VDK.4A.1R	Δ	I	400	①	0.40	130	1430	67
			400*	②	0.48*	240*	1350*	60
			400	③	0.44	200	1380	71
	Y	II	400	④	0.16	95	1320	65
			400*	⑤	0.28*	170*	1100*	57
			400	⑥	0.24	150	1180	67

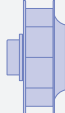
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo


Electrical connection Cable box D02 with cable lateral 105cm



Type RH35V-VDK.4A.1R
Article no. 161687

Weight [kg] 5.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for single phase alternating current, 4 pole

RH40V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.50 kW*
 Rated current I_N : 2.30 A*
 Rated speed n_N : 1380 min⁻¹*
 Current increase ΔI : 40 %
 Service capacitor C_{400V} : 10.0 μ F
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE

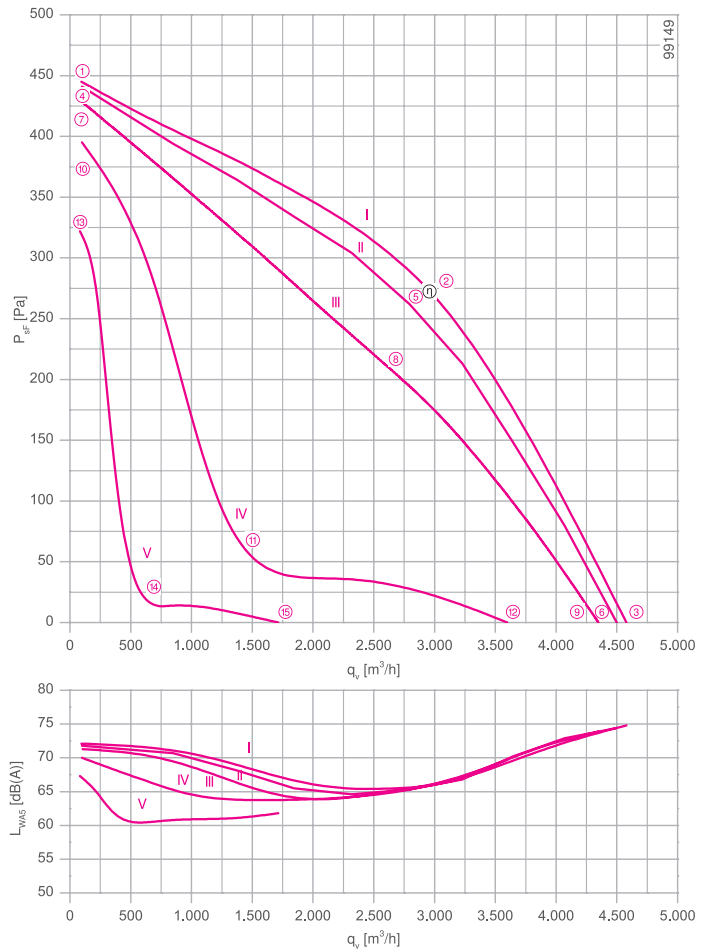
ErP-Daten

Efficiency η_{statA} : 46.2 %
 Efficiency: $N_{actual} = 62.5 / N_{target} = 62^{**}$
 Frequency inverter required

* Rated data

**ErP 2015

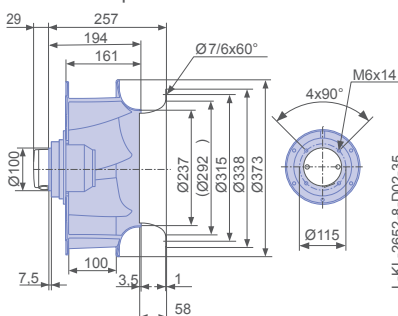
Characteristic curve



- Inlet ring 00275570 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH40V-4EK.4F.1R	I	230	①	1.45	280	1450	72
		230*	②	2.30*	500*	1380*	66
		230	③	1.85	390	1420	75
	II	200	④	1.25	240	1440	72
		200	⑤	2.40	460	1340	65
		200	⑥	1.80	360	1400	74
	III	170	⑦	1.25	220	1420	71
		170	⑧	2.80	440	1220	65
		170	⑨	2.00	330	1350	74
	IV	135	⑩	1.40	190	1370	70
		135	⑪	3.20	380	650	64
		135	⑫	2.50	320	1130	70
	V	110	⑬	1.70	180	1240	67
		110	⑭	2.70	250	420	61
		110	⑮	2.70	250	540	62

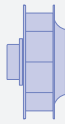
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH40V-4EK.4F.1R
Article no. 161867

Weight [kg] 8.70
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 4 pole

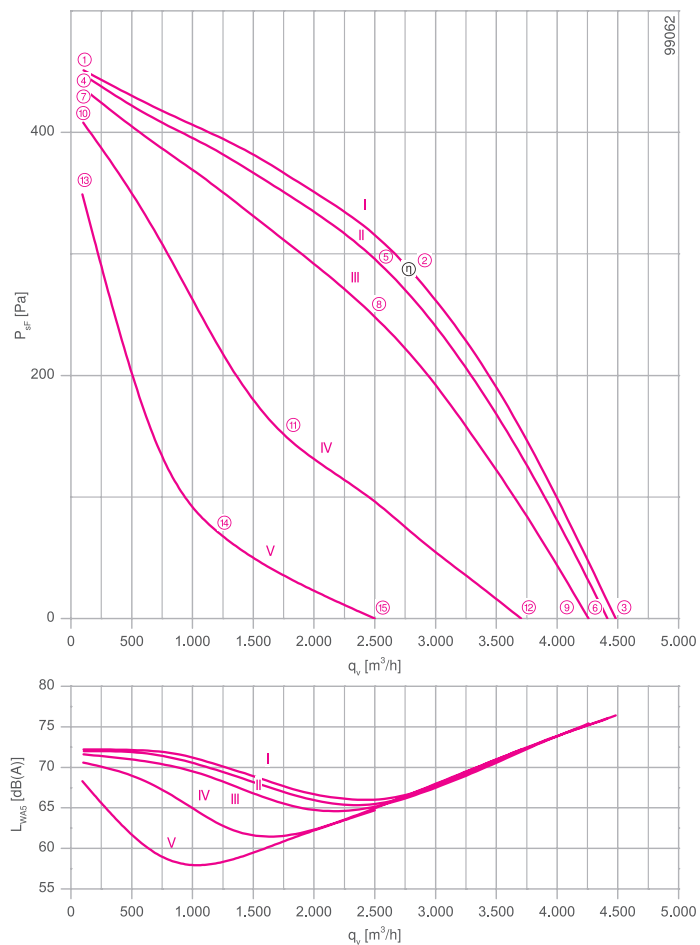
RH40V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.50 kW*
 Rated current I_N : 2.50 A*
 Rated speed n_N : 1400 min⁻¹*
 Current increase ΔI : 30 %
 Service capacitor C_{400V} : 12.0 μ F
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 55 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 45.7 %
 Efficiency: $N_{actual} = 59.4 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

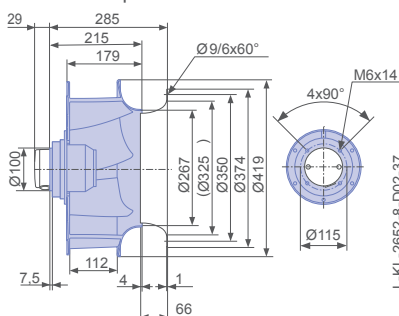


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH40V-4EK.4I.1R	I	230	①	1.90	290	1460	72
		230*	②	2.50*	500*	1400*	67
		230	③	2.20	420	1430	76
	II	200	④	1.45	240	1450	72
		200	⑤	2.50	460	1370	66
		200	⑥	2.00	370	1410	76
	III	170	⑦	1.35	220	1430	72
		170	⑧	2.70	440	1290	65
		170	⑨	2.20	340	1360	75
	IV	135	⑩	1.50	190	1390	71
		135	⑪	3.20	370	980	61
		135	⑫	2.70	320	1190	72
	V	110	⑬	1.75	180	1280	68
		110	⑭	2.90	260	670	58
		110	⑮	2.80	250	810	65

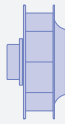
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH40V-4EK.4I.1R
Article no. 161863

Weight [kg] 10.30
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

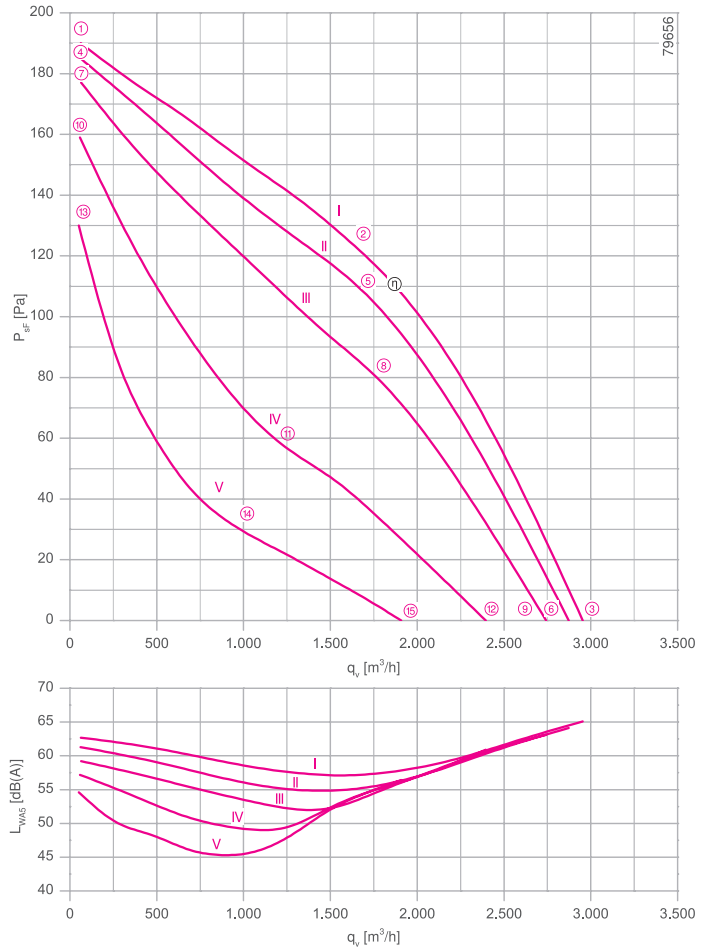
RH40V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V±10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.17 kW*
 Rated current I_N : 0.76 A*
 Rated speed n_N : 890 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 6.0 µF
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

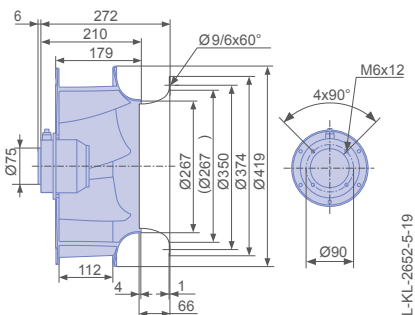


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH40V-6EK.2F.1R	I	230	①	0.62	130	950	63
		230*	②	0.76*	170*	890*	57
		230	③	0.68	150	920	65
	II	200	④	0.54	110	930	61
		200	⑤	0.74	150	850	55
		200	⑥	0.64	130	890	64
	III	170	⑦	0.50	85	920	59
		170	⑧	0.72	120	790	55
		170	⑨	0.62	110	850	63
	IV	135	⑩	0.48	65	870	57
		135	⑪	0.70	95	630	49
		135	⑫	0.62	85	750	61
	V	110	⑬	0.48	50	790	55
		110	⑭	0.64	70	470	46
		110	⑮	0.60	65	600	56

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm





Type RH40V-6EK.2F.1R
Article no. 113372

Weight [kg] 6.20

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

RH40V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V±10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.15 kW*
 Rated current I_N : 0.70 A*
 Rated speed n_N : 900 min⁻¹*
 Current increase ΔI : 15 %
 Service capacitor C_{400V} : 5.0 μ F
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE

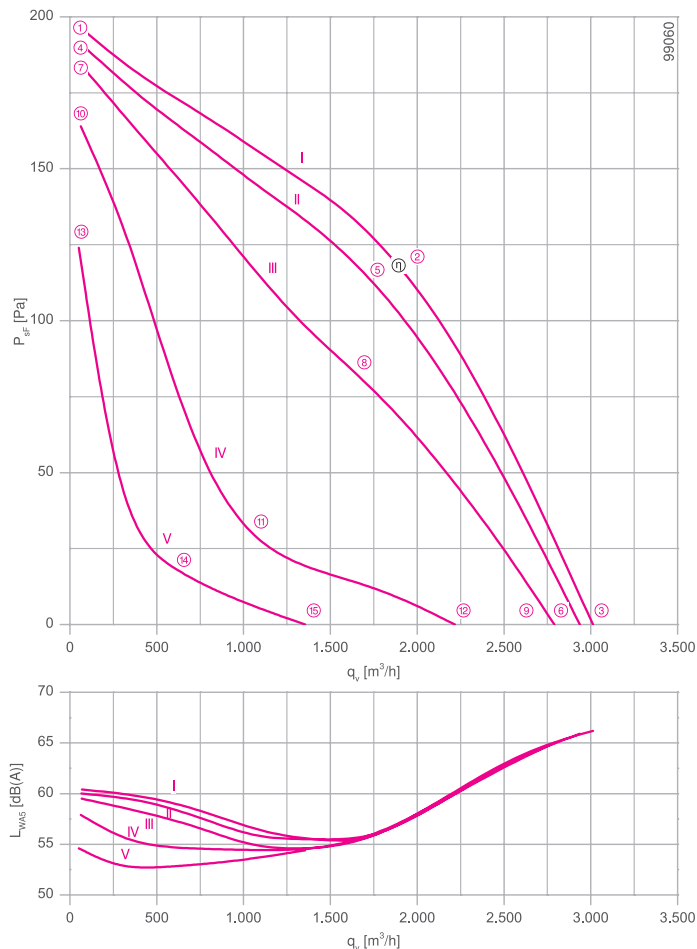
ErP-Daten

Efficiency η_{statA} : 41.1 %
 Efficiency: $N_{actual} = 63.1 / N_{target} = 62$ **
 Frequency inverter required

* Rated data

**ErP 2015

Characteristic curve

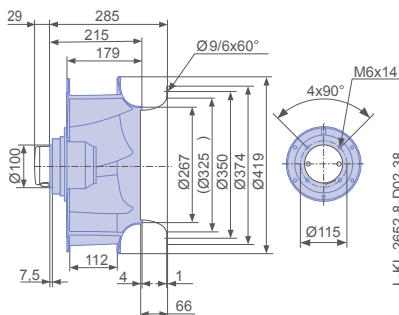


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH40V-6EK.4C.1R	I	230	①	0.48	100	960	60
		230*	②	0.70*	150*	900*	57
		230	③	0.58	130	930	66
	II	200	④	0.44	85	950	60
		200	⑤	0.72	140	870	56
		200	⑥	0.58	110	910	66
	III	170	⑦	0.42	70	930	60
		170	⑧	0.78	130	770	55
		170	⑨	0.60	100	870	65
	IV	135	⑩	0.44	60	880	58
		135	⑪	0.80	95	470	55
		135	⑫	0.70	85	690	60
	V	110	⑬	0.50	55	770	55
		110	⑭	0.64	65	420	54
		110	⑮	0.64	65	420	54

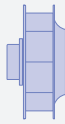
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm







Type RH40V-6EK.4C.1R

Article no. 161865

Weight [kg] 7.30
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for three phase alternating current, 4 pole

RH40V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.39 kW*
 Rated current I_N : 1.15/0.68 A*
 Rated speed n_N : 1220 min⁻¹*
 Starting current I_A : 3.40 A / 2.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE

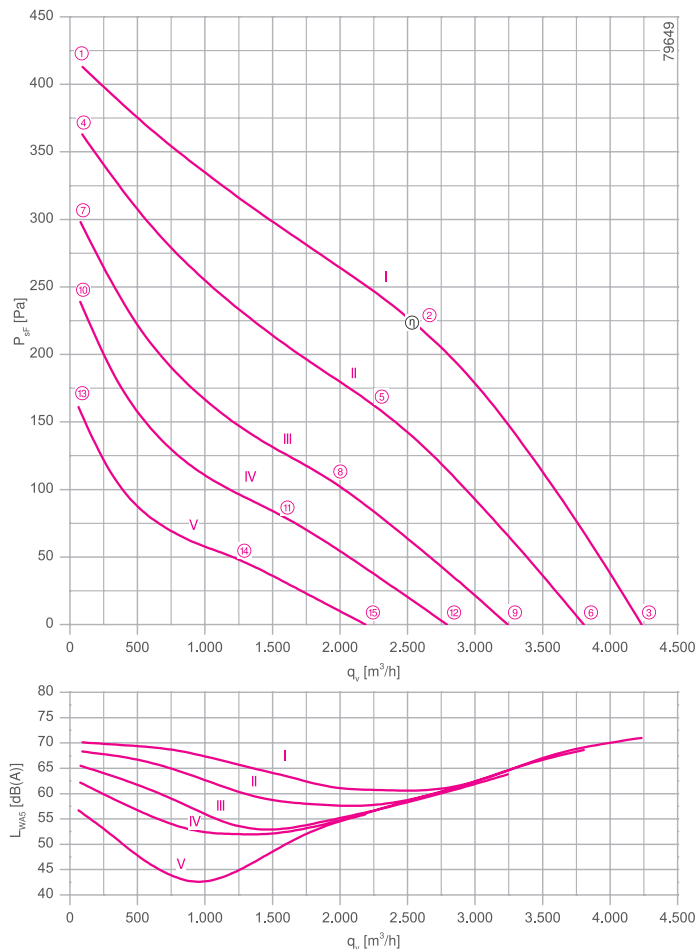
ErP-Daten

Efficiency η_{statA} : 41.3 %
 Efficiency: $N_{actual} = 58.5 / N_{target} = 58$ **
 Frequency inverter required

* Rated data

**ErP 2013

Characteristic curve

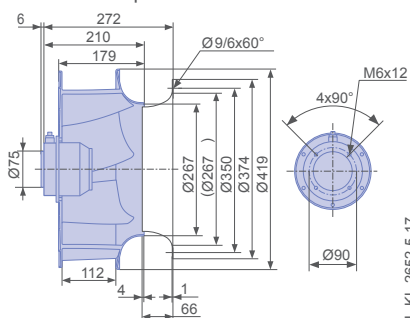


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
 in installation position H/Vu/Vo



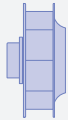
Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH40V-4DK.2F.1R	I	400	①	0.48	210	1380	70
		400*	②	0.68*	390*	1220*	61
		400	③	0.56	310	1300	71
	II	300	④	0.42	180	1290	68
		300	⑤	0.66	310	1060	58
		300	⑥	0.56	250	1170	69
	III	230	⑦	0.42	150	1170	66
		230	⑧	0.64	230	870	54
		230	⑨	0.56	200	1000	64
	IV	190	⑩	0.42	130	1050	62
		190	⑪	0.58	180	750	52
		190	⑫	0.54	160	860	61
	V	145	⑬	0.42	95	860	57
		145	⑭	0.52	120	580	44
		145	⑮	0.48	110	680	56

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm




Type RH40V-4DK.2F.1R
Article no. 113254

Weight [kg] 6.20

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4 pole

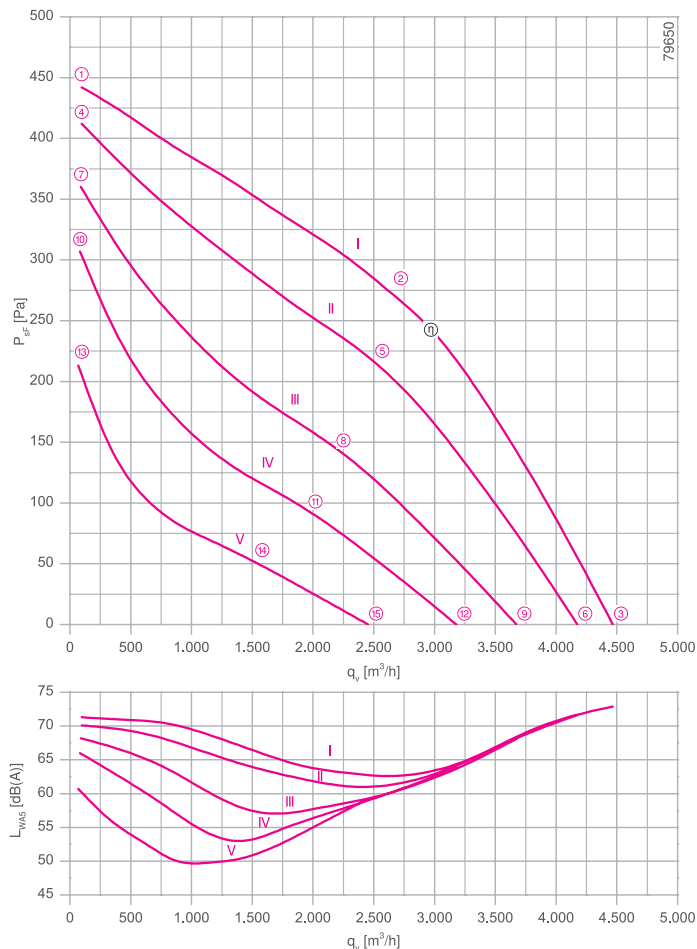
RH40V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.44 kW*
 Rated current I_N : 1.35/0.78 A*
 Rated speed n_N : 1320 min⁻¹*
 Starting current I_s : 4.0 A / 2.80 A
 Current increase ΔI : 10 %
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 47.7 %
 Efficiency: $N_{actual} = 62.0 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

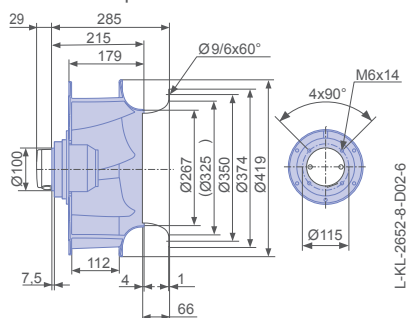


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH40V-4DK.4C.1R	I	400	①	0.54	220	1430	71
		400*	②	0.78*	440*	1320*	63
		400	③	0.66	330	1380	73
	II	300	④	0.46	190	1380	70
		300	⑤	0.82	380	1200	61
		300	⑥	0.64	290	1290	72
	III	230	⑦	0.48	170	1290	68
		230	⑧	0.86	310	1010	58
		230	⑨	0.70	250	1140	68
	IV	190	⑩	0.52	150	1190	66
		190	⑪	0.82	240	850	55
		190	⑫	0.72	210	990	64
	V	145	⑬	0.56	120	990	61
		145	⑭	0.72	160	640	49
		145	⑮	0.68	150	770	59


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm







Type RH40V-4DK.4C.1R
Article no. 113263

Weight [kg] 7.30

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4 pole

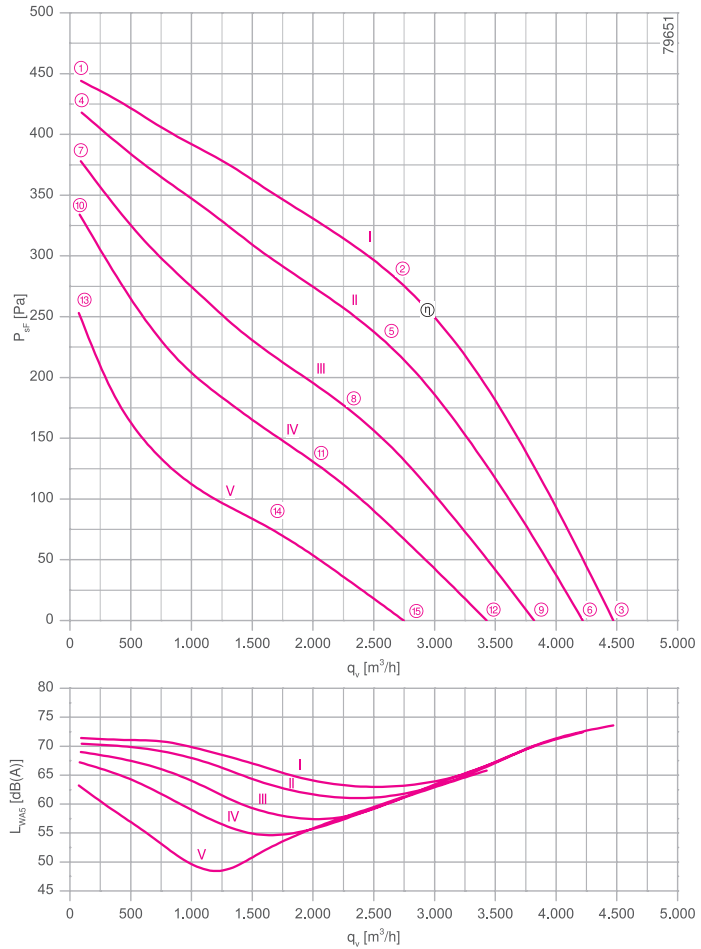
RH40V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.44 kW*
 Rated current I_N : 1.80/1.05 A*
 Rated speed n_N : 1360 min⁻¹*
 Starting current I_A : 6.00 A / 3.40 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 48.0 %
 Efficiency: $N_{actual} = 62.1 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

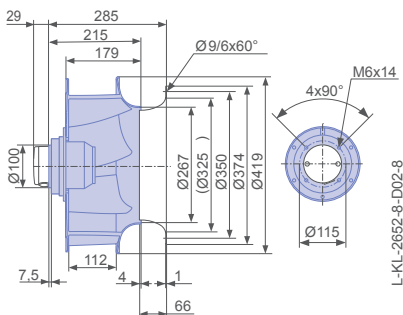


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH40V-4DK.4F.1R	I	400	①	0.90	230	1440	71
		400*	②	1.05*	440*	1360*	64
		400	③	0.96	350	1400	74
	II	300	④	0.66	190	1400	70
		300	⑤	0.96	380	1250	61
		300	⑥	0.82	300	1320	72
	III	230	⑦	0.60	170	1330	69
		230	⑧	0.96	300	1100	58
		230	⑨	0.82	250	1200	70
	IV	190	⑩	0.60	150	1240	67
		190	⑪	0.94	240	960	55
		190	⑫	0.82	210	1080	66
	V	145	⑬	0.62	120	1090	63
		145	⑭	0.84	160	750	51
		145	⑮	0.78	150	870	61

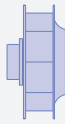
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH40V-4DK.4F.1R
Article no. 113280

Weight [kg] 8.70
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

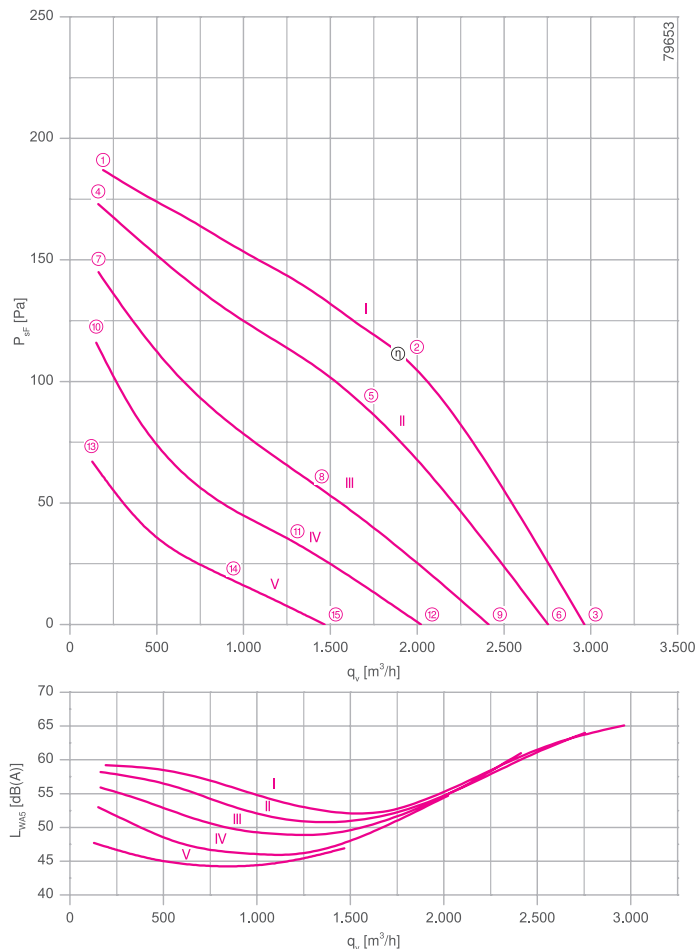
RH40V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.16 kW*
 Rated current I_N : 0.64/0.37 A*
 Rated speed n_N : 880 min⁻¹*
 Starting current I_s : 1.70 A / 1.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 39.0 %
 Efficiency: $N_{actual} = 58.0 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

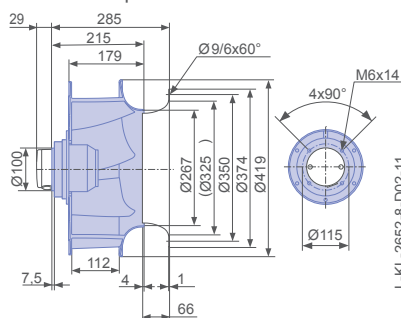


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH40V-6DK.4A.1R	I	400	①	0.32	100	940	59
		400*	②	0.37*	160*	880*	54
		400	③	0.34	120	920	65
	II	300	④	0.25	75	910	58
		300	⑤	0.34	120	790	52
		300	⑥	0.29	100	850	64
	III	230	⑦	0.24	65	830	56
		230	⑧	0.33	95	650	49
		230	⑨	0.29	80	750	61
	IV	190	⑩	0.24	55	740	53
		190	⑪	0.30	70	540	46
		190	⑫	0.28	65	630	55
	V	145	⑬	0.22	38	570	48
		145	⑭	0.25	42	400	44
		145	⑮	0.24	40	470	47

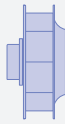
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH40V-6DK.4A.1R
Article no. 113453

Weight [kg] 6.30
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

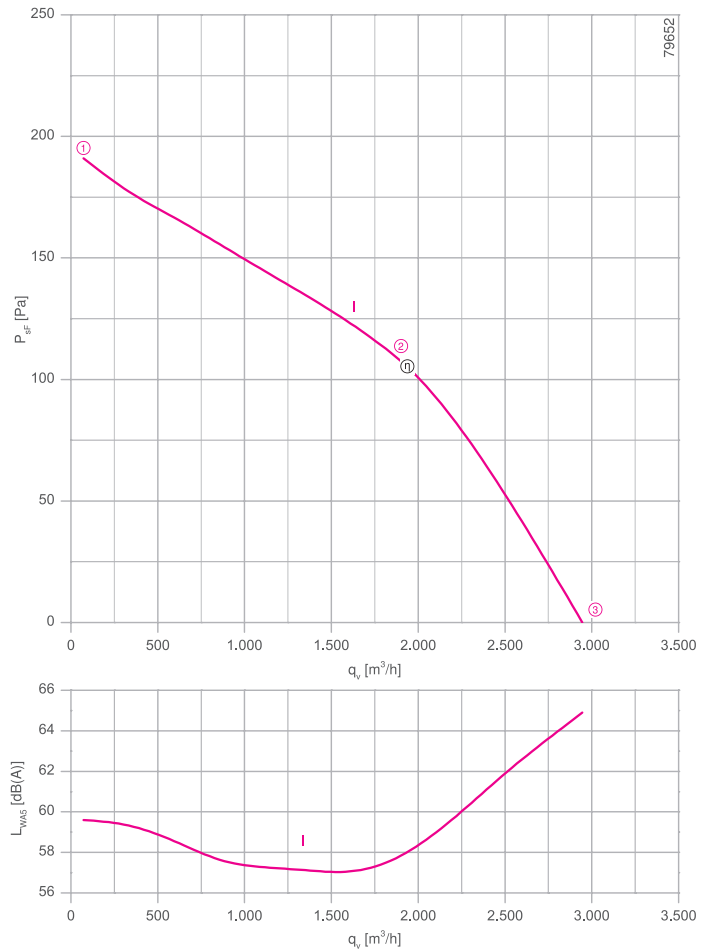
RH40V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.17 kW*
 Rated current I_N : 0.69/0.40 A*
 Rated speed n_N : 880 min⁻¹*
 Starting current I_A : 1.50 A / 0.85 A
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

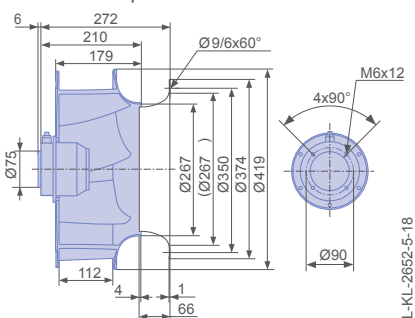


measured with inlet ring, without guard grille according to ISO 5801
 not voltage controllable

- Inlet ring 00275570 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH40V-6DK.2C.1R	I	400	①	0.36	110	940	60
		400*	②	0.40*	170*	880*	57
		400	③	0.38	140	910	65

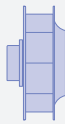
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Supply cable lateral 105cm



Type RH40V-6DK.2C.1R
Article no. 113255

Weight [kg] 5.40
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Information

Cpro-ECblue

Vpro-ECblue

Vpro

L-series

M-series

System components

Control technology

General notes



Vpro

for three phase alternating current, 4-4 pole

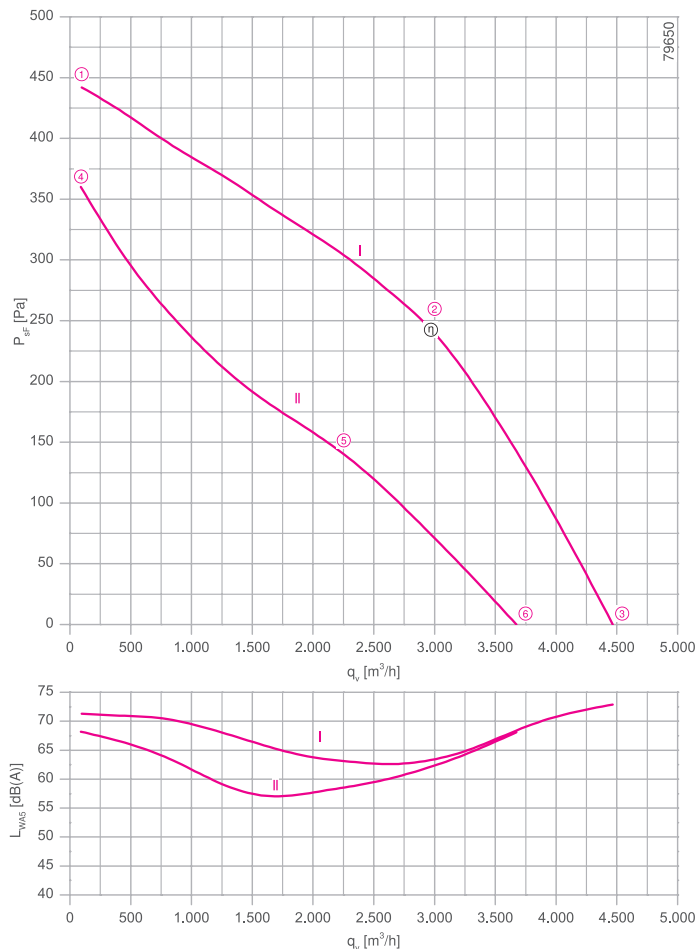
RH40V-VD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.44/0.31 kW*
 Rated current I_N : 0.78/0.50 A*
 Rated speed n_N : 1320/1010 min⁻¹*
 Starting current I_s : 2.80 A / 0.85 A
 Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(\min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(\max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 47.7 %
 Efficiency: $N_{actual} = 62.0 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

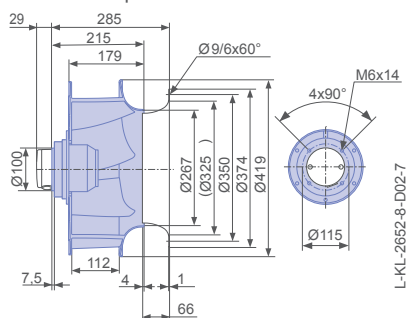


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH40V-VDK.4C.1R	Δ	I	400	①	0.54	220	1430	71
			400*	②	0.78*	440*	1320*	63
			400	③	0.66	330	1380	73
	Y	II	400	④	0.28	170	1290	68
			400*	⑤	0.50*	310*	1010*	58
			400	⑥	0.40	250	1140	68

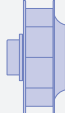
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH40V-VDK.4C.1R
Article no. 113281

Weight [kg] 7.30
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for single phase alternating current, 4 pole

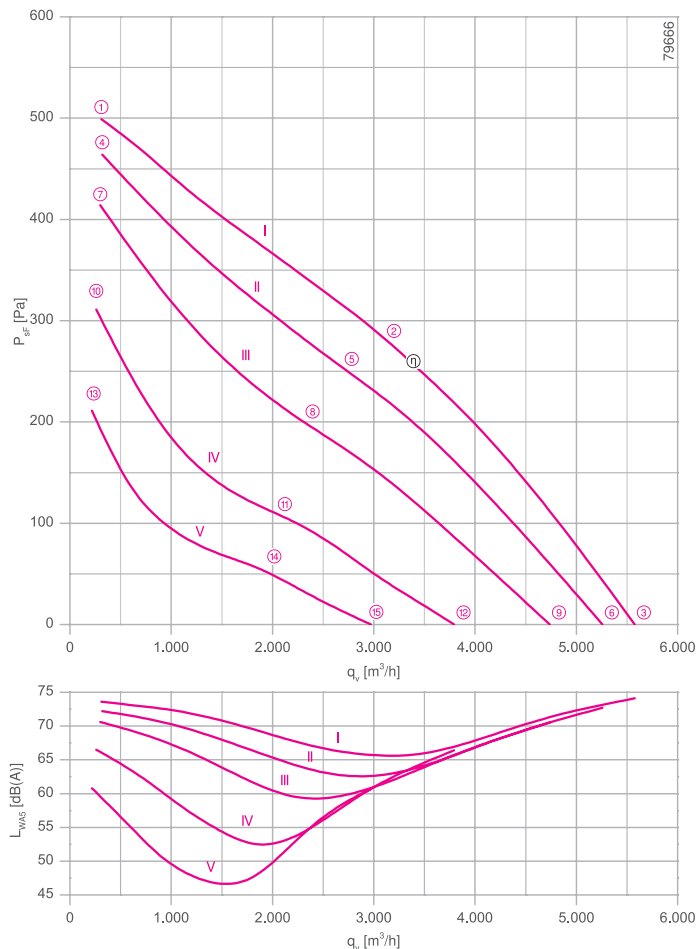
RH45V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.62 kW*
 Rated current I_N : 2.80 A*
 Rated speed n_N : 1240 min⁻¹*
 Service capacitor C_{400V} : 12.0 μ F
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

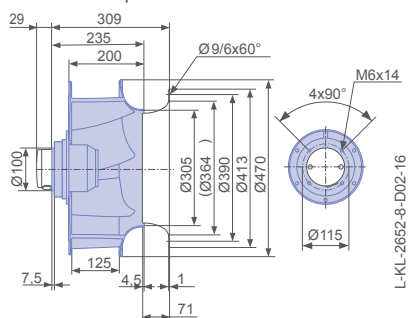


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 451
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH45V-4EK.4I.1R	I	230	①	1.95	420	1360	74
		230*	②	2.80*	620*	1230*	66
		230	③	2.50	540	1290	74
	II	200	④	1.90	370	1310	72
		200	⑤	2.80	540	1140	63
		200	⑥	2.50	480	1220	73
	III	170	⑦	1.95	330	1240	71
		170	⑧	2.80	460	1010	60
		170	⑨	2.50	420	1100	71
	IV	135	⑩	2.10	270	1080	67
		135	⑪	2.60	330	780	53
		135	⑫	2.50	310	890	66
	V	110	⑬	2.00	210	880	61
		110	⑭	2.30	230	610	47
		110	⑮	2.20	230	700	61


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-4EK.4I.1R
Article no. 113308

Weight [kg] 11.10
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 4 pole

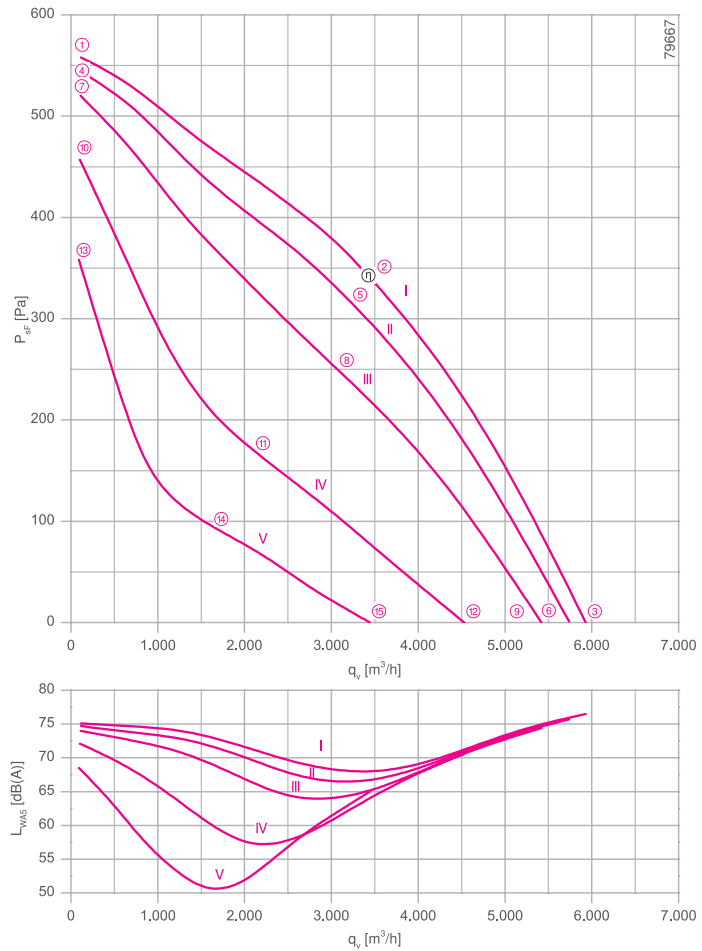
RH45V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.76 kW*
 Rated current I_N : 3.60 A*
 Rated speed n_N : 1340 min⁻¹*
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 20.0 μ F
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

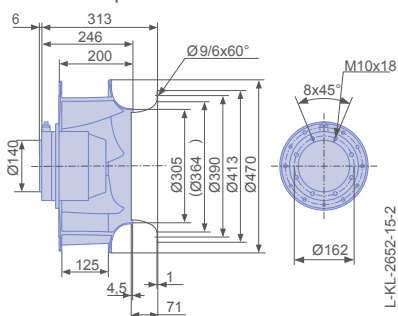


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 451
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH45V-4EK.6F.1R	I	230	①	2.50	480	1430	75
		230*	②	3.60*	760*	1340*	68
		230	③	3.20	660	1380	77
	II	200	④	2.20	420	1410	75
		200	⑤	3.60	680	1280	67
		200	⑥	3.10	600	1340	76
	III	170	⑦	2.20	370	1380	74
		170	⑧	3.70	600	1170	64
		170	⑨	3.20	520	1260	74
	IV	135	⑩	2.30	310	1290	72
		135	⑪	3.60	440	910	57
		135	⑫	3.30	420	1060	71
	V	110	⑬	2.40	260	1140	69
		110	⑭	3.20	300	690	51
		110	⑮	3.10	290	810	65

*rated data

Fan ordering information




Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type **RH45V-4EK.6F.1R**
Article no. **113378**

Weight [kg] 16.00
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 4 pole

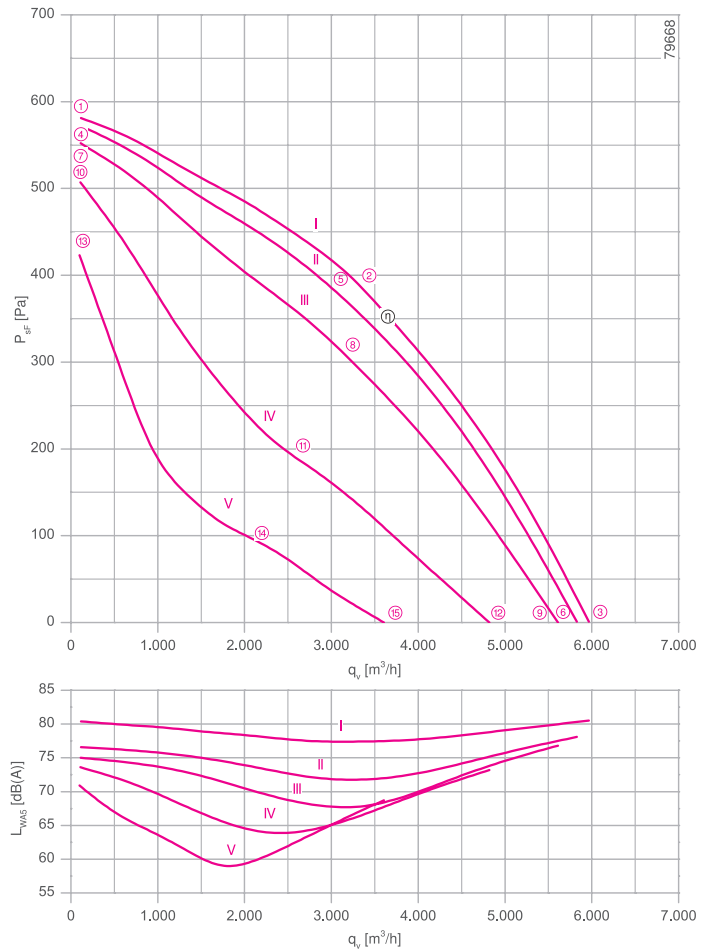
RH45V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.80 kW*
 Rated current I_N : 3.60 A*
 Rated speed n_N : 1400 min⁻¹*
 Current increase ΔI : 20 %
 Service capacitor C_{400V} : 20.0 μ F
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 46.4 %
 Efficiency: $N_{actual} = 58.0 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

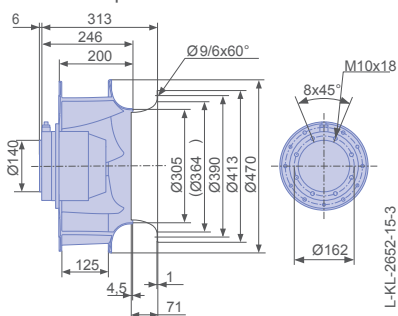


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH45V-4EK.6K.1R	I	230	①	2.20	460	1450	80
		230*	②	3.60*	800*	1400*	77
		230	③	3.20	680	1420	81
	II	200	④	2.10	420	1440	77
		200	⑤	3.80	740	1360	72
		200	⑥	3.30	640	1390	78
	III	170	⑦	2.20	380	1420	75
		170	⑧	4.20	680	1280	68
		170	⑨	3.60	600	1340	77
	IV	135	⑩	2.50	330	1360	74
		135	⑪	4.80	560	1020	64
		135	⑫	4.20	520	1150	73
	V	110	⑬	2.90	300	1240	71
		110	⑭	4.40	400	800	61
		110	⑮	4.20	390	870	69

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH45V-4EK.6K.1R**
Article no. **113379**

Weight [kg] 19.80

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

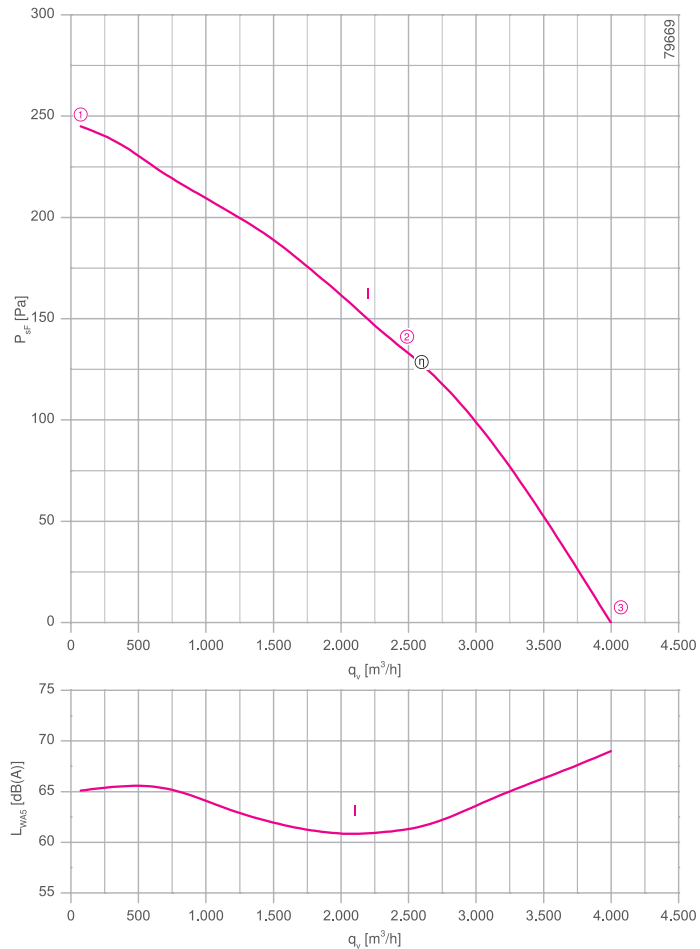
RH45V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.25 kW*
 Rated current I_N : 1.10 A*
 Rated speed n_N : 900 min⁻¹*
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 8.0 μ F
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

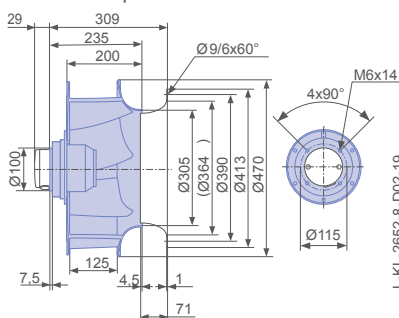


measured with inlet ring, without guard grille according to ISO 5801
not voltage controllable

- Inlet ring 00275571 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH45V-6EK.4C.1R	I	230	①	0.84	180	960	65
		230*	②	1.10*	250*	900*	61
		230	③	1.00	220	930	69


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-6EK.4C.1R
Article no. 113309

Weight [kg] 8.10
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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- Information
- Cpro-ECblue
- Vpro-ECblue
- Vpro
- L-series
- M-series
- System components
- Control technology
- General notes



Vpro

for single phase alternating current, 6 pole

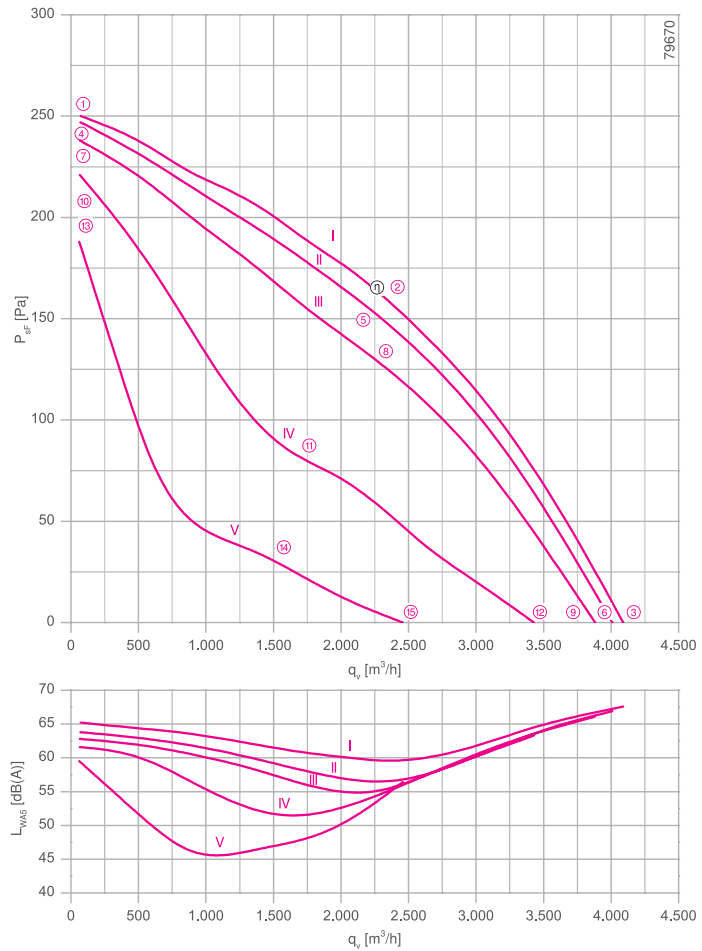
RH45V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V±10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.30 kW*
 Rated current I_N : 1.40 A*
 Rated speed n_N : 920 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 12.0 µF
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

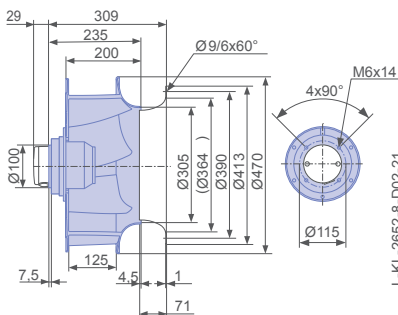


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 450
- Connection diagram 1360-117XA SW Page 550
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH45V-6EK.4F.1R	I	230	①	1.15	230	960	65
		230*	②	1.40*	300*	920*	60
		230	③	1.30	270	940	68
	II	200	④	0.94	180	960	64
		200	⑤	1.30	250	900	57
		200	⑥	1.15	220	920	67
	III	170	⑦	0.86	140	940	63
		170	⑧	1.30	220	850	55
		170	⑨	1.10	190	900	66
	IV	135	⑩	0.84	110	900	62
		135	⑪	1.35	170	670	52
		135	⑫	1.15	150	790	63
	V	110	⑬	0.88	95	830	60
		110	⑭	1.20	120	490	46
		110	⑮	1.15	110	570	56

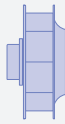
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-6EK.4F.1R
Article no. 113398

Weight [kg] 9.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for three phase alternating current, 4 pole

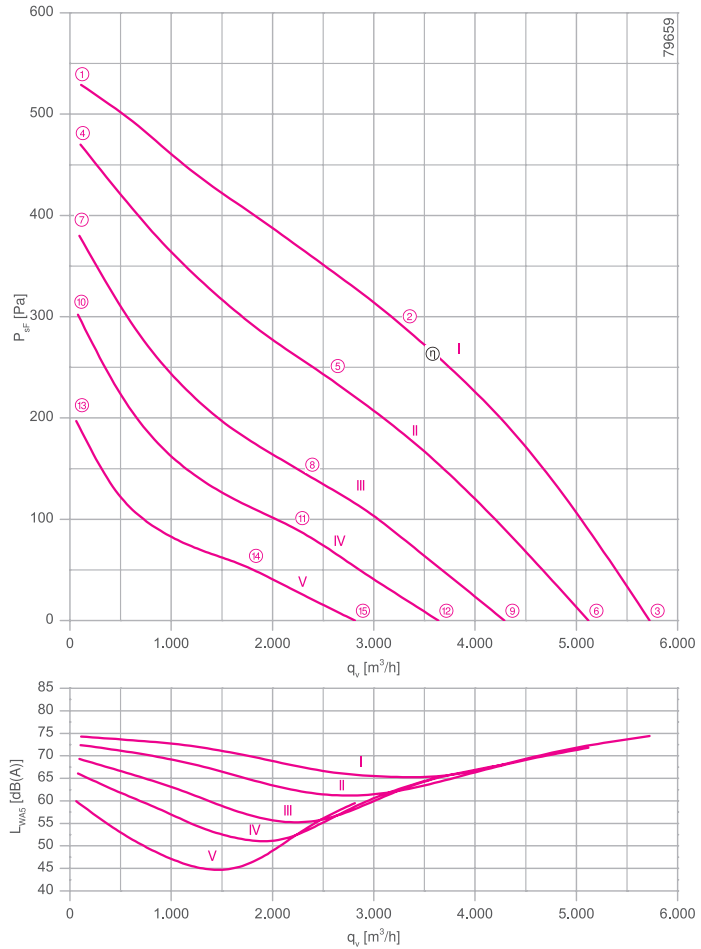
RH45V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.64 kW*
 Rated current I_N : 2.25/1.30 A*
 Rated speed n_N : 1250 min⁻¹*
 Starting current I_A : 6.00 A / 3.40 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 55 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

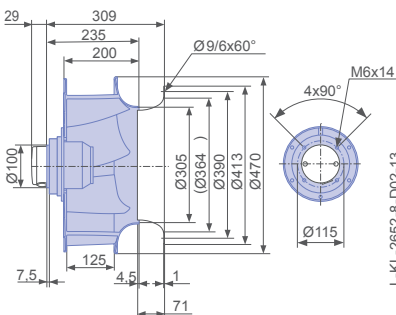


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH45V-4DK.4F.1R	I	400	①	0.96	360	1380	74
		400*	②	1.30*	640*	1250*	65
		400	③	1.15	540	1300	74
	II	300	④	0.82	310	1300	72
		300	⑤	1.25	500	1080	62
		300	⑥	1.10	440	1170	72
	III	230	⑦	0.82	260	1170	69
		230	⑧	1.15	360	890	56
		230	⑨	1.05	330	980	68
	IV	190	⑩	0.82	210	1050	66
		190	⑪	1.05	270	750	51
		190	⑫	1.00	250	840	65
	V	145	⑬	0.76	150	850	60
		145	⑭	0.88	170	580	45
		145	⑮	0.86	160	650	60

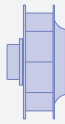
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-4DK.4F.1R
Article no. 113265

Weight [kg] 9.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4 pole

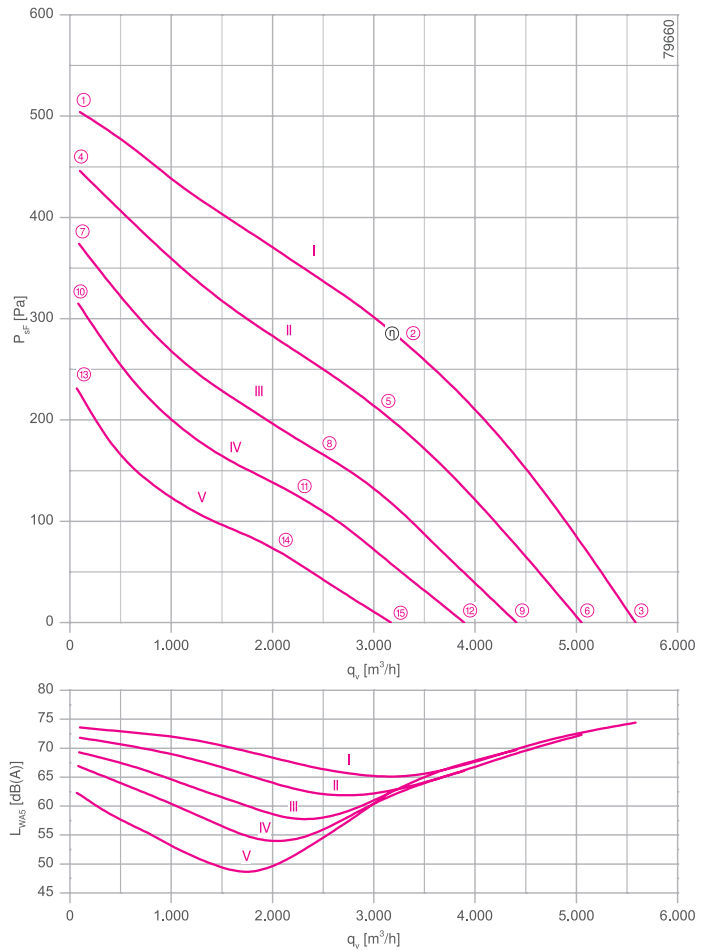
RH45V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.58 kW*
 Rated current I_N : 2.20/1.25 A*
 Rated speed n_N : 1240 min⁻¹*
 Starting current I_A : 7.50 A / 4.20 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 45.0 %
 Efficiency: $N_{actual} = 58.0 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

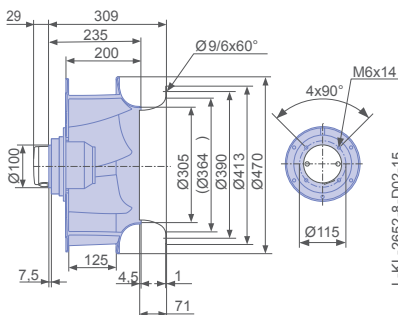


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



L-KL-2652-8-D02-15



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH45V-4DK.4I.1R	I	400	①	0.98	340	1370	74
		400*	②	1.25*	580*	1240*	65
		400	③	1.15	500	1290	74
	II	300	④	0.80	280	1290	72
		300	⑤	1.10	460	1110	62
		300	⑥	1.00	400	1170	72
	III	230	⑦	0.76	230	1180	69
		230	⑧	1.05	350	960	58
		230	⑨	0.98	320	1030	70
	IV	190	⑩	0.74	200	1090	67
		190	⑪	1.00	270	840	54
		190	⑫	0.92	250	910	66
	V	145	⑬	0.70	150	930	62
		145	⑭	0.88	190	690	49
		145	⑮	0.84	180	740	63

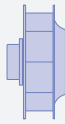
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-4DK.4I.1R
Article no. 113256

Weight [kg] 11.10
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4 pole

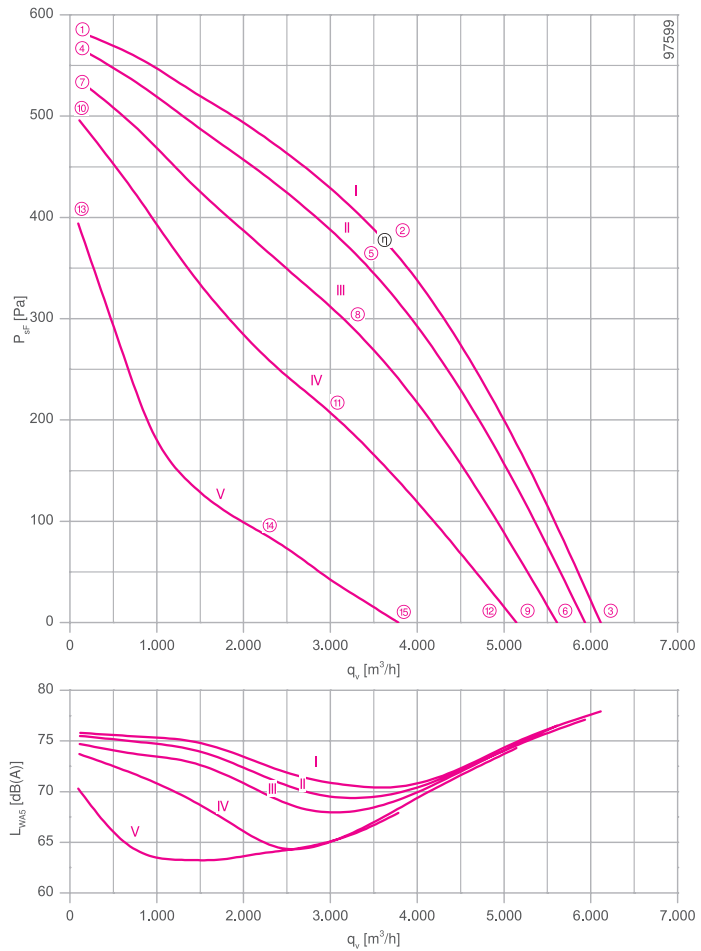
RH45V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.78 kW*
 Rated current I_N : 2.70/1.55 A*
 Rated speed n_N : 1430 min⁻¹*
 Current increase ΔI : 50 %
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 50.8 %
 Efficiency: $N_{actual} = 62.5 / N_{target} = 62^{**}$
 * Rated data
 **ErP 2015

Characteristic curve

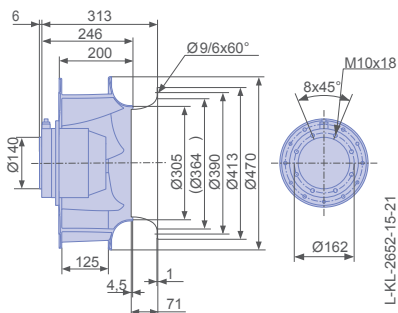


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH45V-4DK.6F.1R	I	400	①	1.20	400	1470	76
		400*	②	1.55*	780*	1430*	70
		400	③	1.40	620	1450	78
	II	300	④	0.96	360	1450	76
		300	⑤	1.65	740	1380	70
		300	⑥	1.35	580	1410	77
	III	230	⑦	1.05	350	1410	75
		230	⑧	2.00	700	1270	68
		230	⑨	1.60	560	1330	77
	IV	190	⑩	1.15	340	1350	74
		190	⑪	2.30	640	1110	65
		190	⑫	1.90	540	1220	74
	V	145	⑬	1.40	310	1210	70
		145	⑭	2.30	440	760	64
		145	⑮	2.20	420	900	68

*rated data

Fan ordering information


Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type **RH45V-4DK.6F.1R**
Article no. **161823**

Weight [kg] 17.00
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

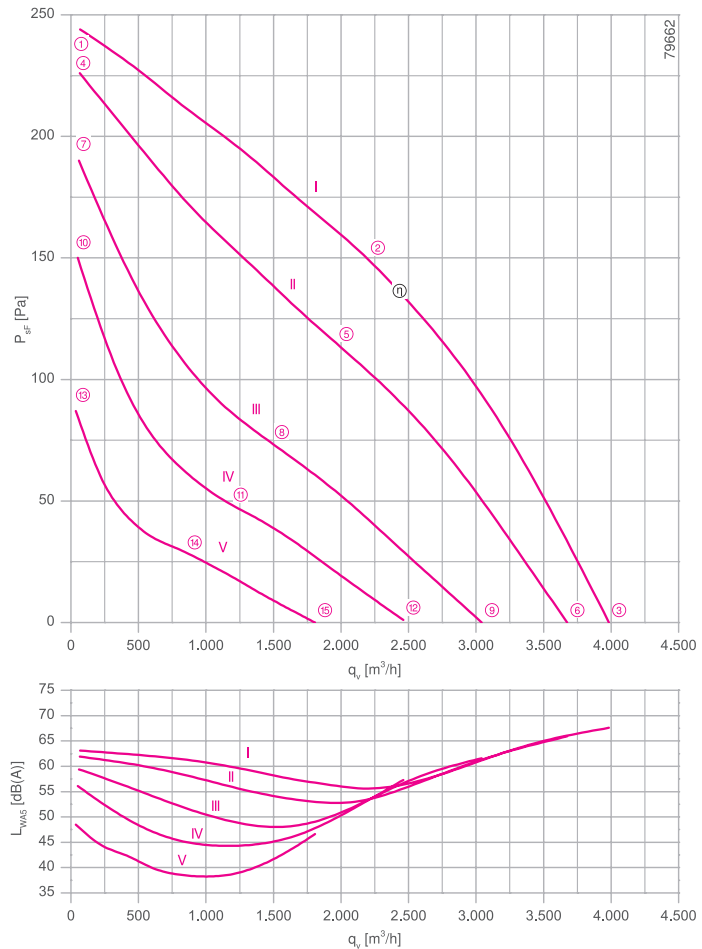
RH45V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.25 kW*
 Rated current I_N : 1.00/0.58 A*
 Rated speed n_N : 880 min⁻¹*
 Starting current I_A : 2.40 A / 1.40 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted conveyor temperature $t_{R(min)}$: -15 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

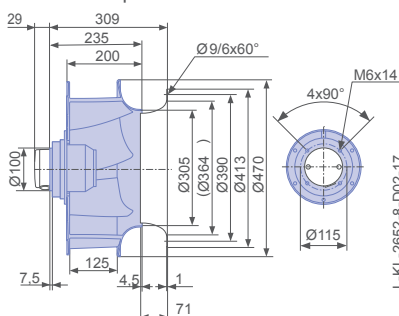


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH45V-6DK.4C.1R	I	400	①	0.48	140	950	63
		400*	②	0.58*	250*	880*	56
		400	③	0.54	210	910	68
	II	300	④	0.38	110	910	62
		300	⑤	0.56	200	780	53
		300	⑥	0.48	170	840	66
	III	230	⑦	0.37	100	830	59
		230	⑧	0.52	140	610	48
		230	⑨	0.48	130	700	62
	IV	190	⑩	0.37	80	740	56
		190	⑪	0.46	100	500	45
		190	⑫	0.44	95	570	57
	V	145	⑬	0.34	55	570	49
		145	⑭	0.38	60	370	39
		145	⑮	0.37	60	420	47

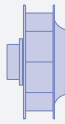
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo


Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-6DK.4C.1R
Article no. 113266

Weight [kg] 8.10
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

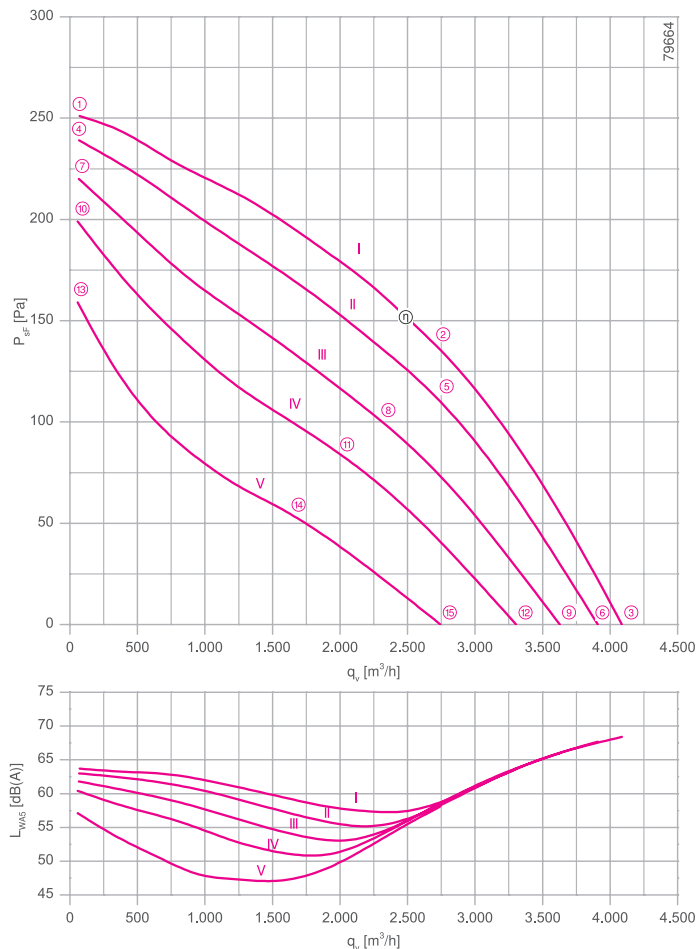
RH45V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.24 kW*
 Rated current I_N : 0.94/0.54 A*
 Rated speed n_N : 920 min⁻¹*
 Starting current I_A : 3.80 A / 2.20 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 45.0 %
 Efficiency: $N_{actual} = 62.0 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

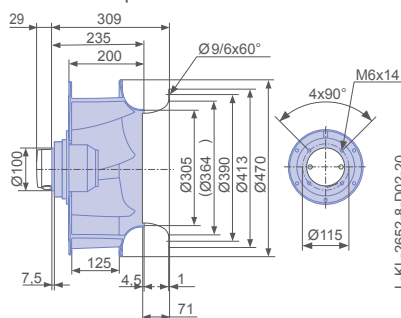


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



L-KL-2652-8-D02-20

Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH45V-6DK.4F.1R	I	400	①	0.46	140	960	64
		400*	②	0.54*	240*	920*	59
		400	③	0.50	200	940	68
	II	300	④	0.36	110	940	63
		300	⑤	0.50	210	870	58
		300	⑥	0.44	170	900	68
	III	230	⑦	0.33	100	900	62
		230	⑧	0.52	180	790	53
		230	⑨	0.46	150	840	66
	IV	190	⑩	0.34	90	860	60
		190	⑪	0.52	150	710	51
		190	⑫	0.46	130	760	64
	V	145	⑬	0.35	75	770	57
		145	⑭	0.50	110	570	47
		145	⑮	0.46	100	640	58

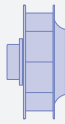
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-6DK.4F.1R
Article no. 113257

Weight [kg] 9.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4-4 pole

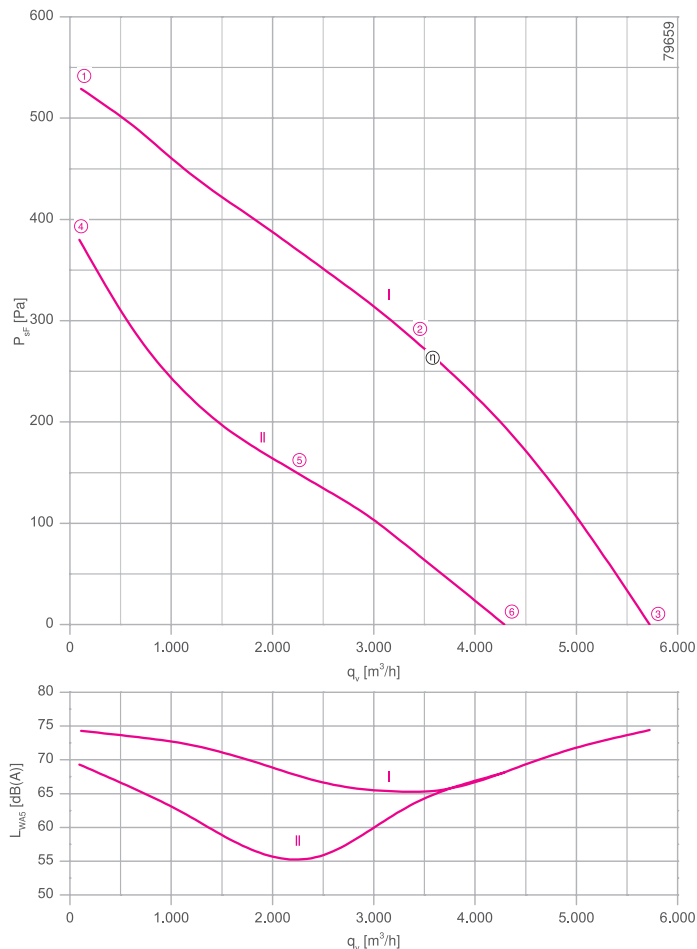
RH45V-VD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) $\pm 10\%$ *
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0,64/0,36 kW*
 Rated current I_N : 1,30/0,66 A*
 Rated speed n_N : 1250/ 890 min^{-1} *
 Starting current I_A : 3.40 A / 1.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(\text{min})}$: -15 °C
 Max. permitted ambient temperature $t_{R(\text{max})}$: 55 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

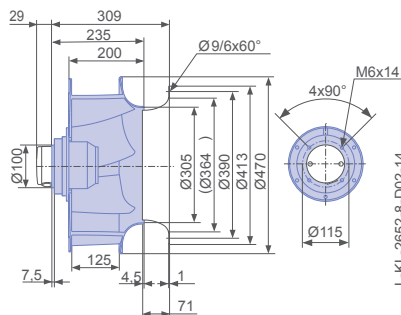
Characteristic curve



- Inlet ring 00275571 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH45V-VDK.4F.1R	Δ	I	400	①	0.96	360	1380	74
			400*	②	1.30*	640*	1250*	65
			400	③	1.15	540	1300	74
	Y	II	400	④	0.48	260	1170	69
			400*	⑤	0.66*	360*	890*	56
			400	⑥	0.62	330	980	68


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo




Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-VDK.4F.1R
Article no. 113282

Weight [kg] 9.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6-6 pole

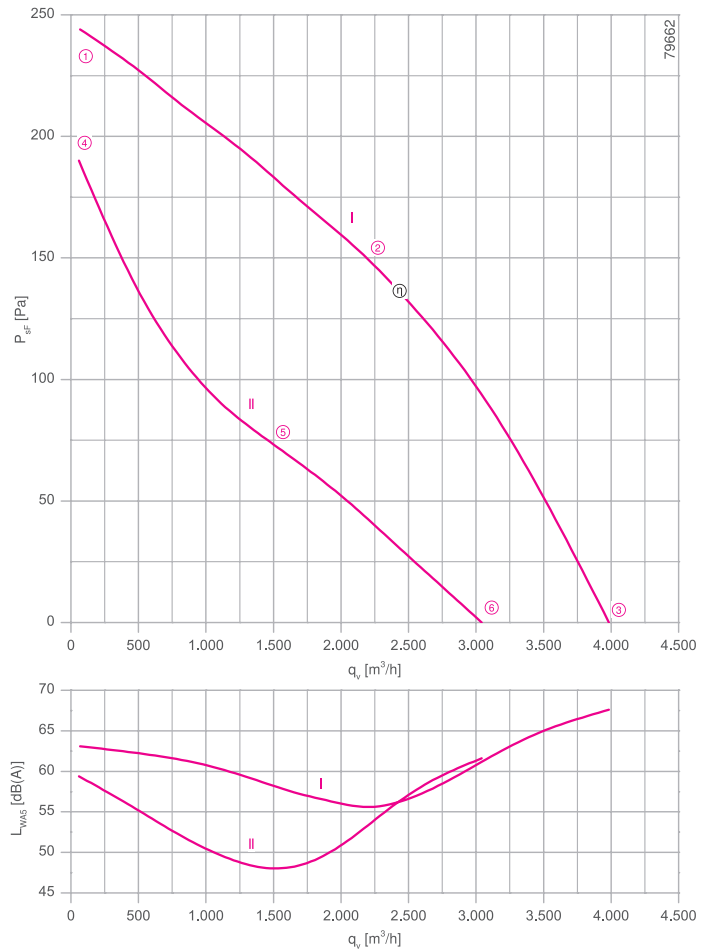
RH45V-SD



Description

- Motor technology: AC
- Rated voltage U_N : 3- 400 V (Δ/Y) $\pm 10\%$ *
- Rated frequency f_N : 50 Hz* (60Hz data available)
- Motor input power P_1 : 0.25/0.14 kW*
- Rated current I_N : 0.58/0.30 A*
- Rated speed n_N : 880/ 610 min⁻¹*
- Starting current I_A : 1.40 A / 0.40 A
- Current increase ΔI : 0 %
- Dynamic pressure: $p_{d2} = 1.4 \cdot 10^{-6} \cdot q_v^2$ [Pa]
- Thermal class: **THCL155***
- Min. permitted ambient temperature $t_{R(min)}$: -15 °C
- Max. permitted ambient temperature $t_{R(max)}$: 60 °C
- Protection class: IP54
- Motor protection: Thermal contact
- Impeller : High Performance Composite Material, uncoated, black
- Motor: 1 coat paint, pebble grey
- * Rated data

Characteristic curve

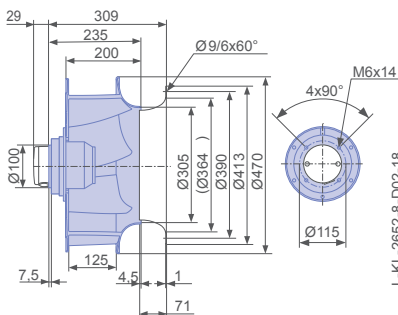


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275571 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L_{WA5} [dB]
			U [V]					
RH45V-SDK.4C.1R	Δ	I	400	①	0.48	140	950	63
			400*	②	0.58*	250*	880*	56
			400	③	0.54	210	910	68
	Y	II	400	④	0.21	100	830	59
			400*	⑤	0.30*	140*	610*	48
			400	⑥	0.28	130	700	62

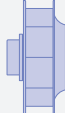
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH45V-SDK.4C.1R
Article no. 113283

Weight [kg] 8.10
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for single phase alternating current, 4 pole

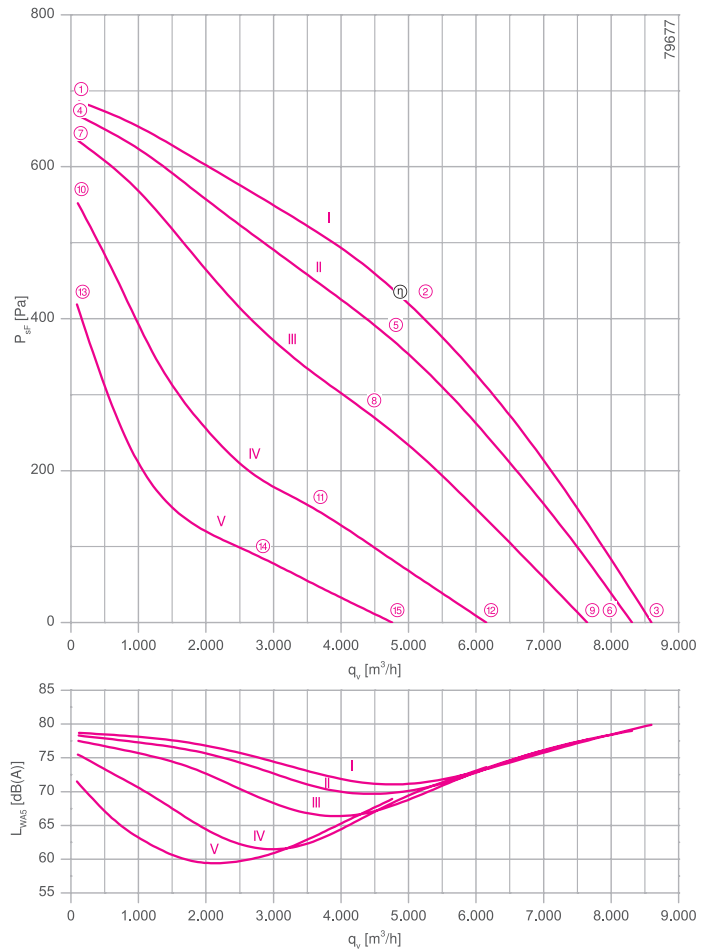
RH50V-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1.30 kW*
 Rated current I_N : 5.80 A*
 Rated speed n_N : 1340 min⁻¹*
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 30.0 μ F
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

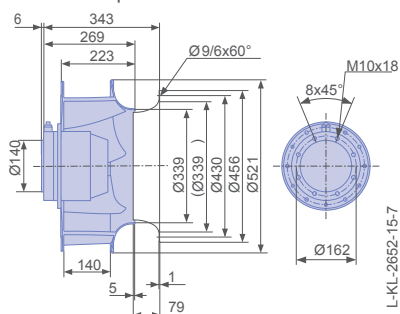


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275572 Page 450
- Connection diagram 1360-104XA SW Page 547
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH50V-4EK.6K.1R	I	230	①	3.40	740	1440	79
		230*	②	5.80*	1300*	1340*	71
		230	③	4.80	1100	1380	80
	II	200	④	3.40	680	1420	78
		200	⑤	6.00	1200	1260	70
		200	⑥	5.00	1000	1340	79
	III	170	⑦	3.60	600	1380	78
		170	⑧	6.20	1000	1120	67
		170	⑨	5.20	880	1240	78
	IV	135	⑩	3.80	500	1290	76
		135	⑪	5.80	700	860	62
		135	⑫	5.20	660	1010	74
	V	110	⑬	3.90	420	1130	72
		110	⑭	5.00	480	660	60
		110	⑮	4.80	480	780	69

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type RH50V-4EK.6K.1R
Article no. 113310

Weight [kg] 20.70

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

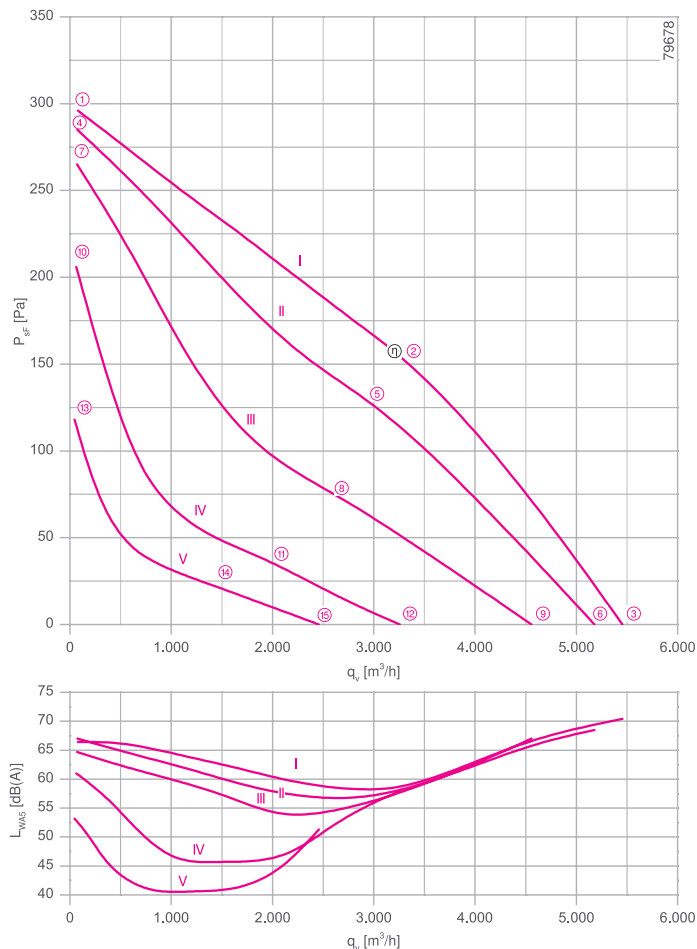
RH50V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.38 kW*
 Rated current I_N : 1.65 A*
 Rated speed n_N : 840 min⁻¹*
 Starting current I_s : 2.60 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 12.0 μ F
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

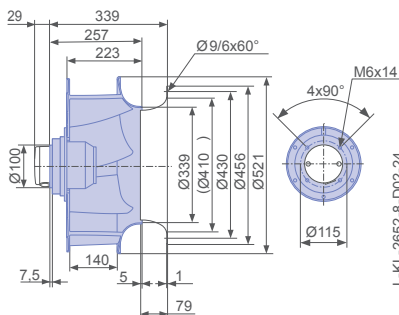
Characteristic curve



- Inlet ring 00275572 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH50V-6EK.4F.1R	I	230	①	1.20	270	940	66
		230*	②	1.65*	380*	840*	59
		230	③	1.45	330	890	70
	II	200	④	1.10	220	920	67
		200	⑤	1.60	320	770	57
		200	⑥	1.40	280	850	69
	III	170	⑦	1.10	180	890	65
		170	⑧	1.50	240	620	54
		170	⑨	1.35	230	750	67
	IV	135	⑩	1.05	140	790	61
		135	⑪	1.20	160	490	47
		135	⑫	1.20	150	540	58
	V	110	⑬	0.96	100	600	53
		110	⑭	1.00	100	350	41
		110	⑮	1.00	100	410	51

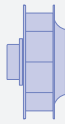
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH50V-6EK.4F.1R
Article no. 113311

Weight [kg] 10.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

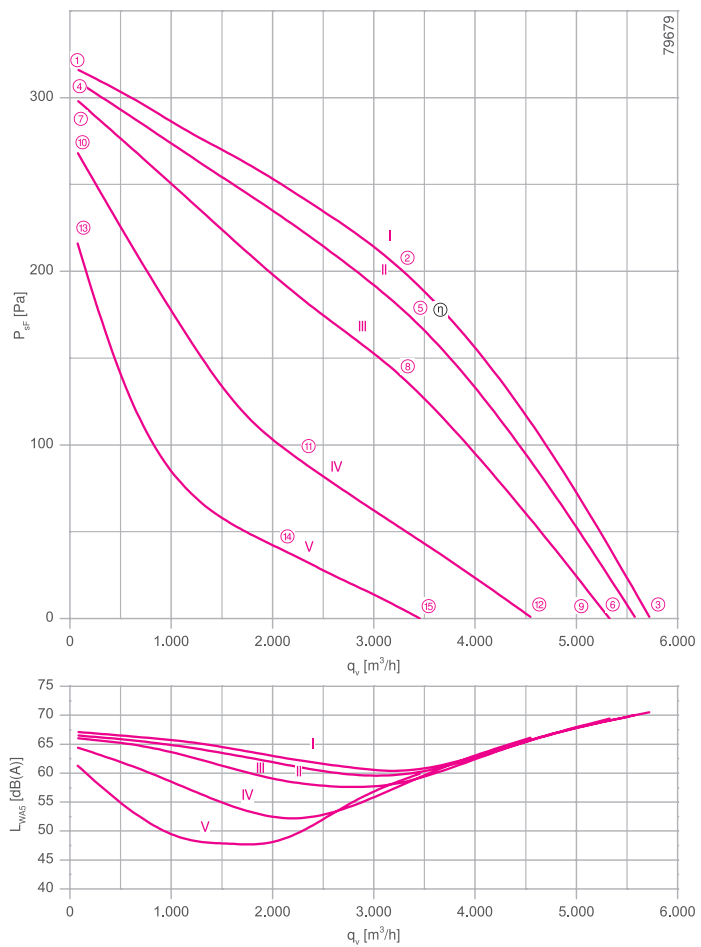
RH50V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.46 kW*
 Rated current I_N : 2.20 A*
 Rated speed n_N : 910 min⁻¹*
 Service capacitor C_{400V} : 10.0 μ F
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

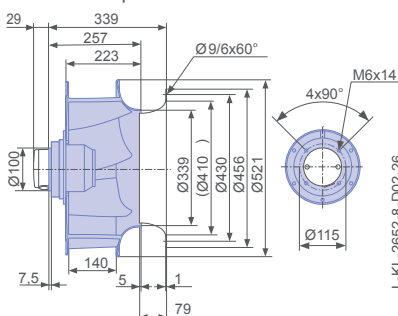


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275572 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH50V-6EK.4I.1R	I	230	①	1.60	300	960	67
		230*	②	2.20*	460*	910*	60
		230	③	1.90	380	930	71
	II	200	④	1.35	250	950	67
		200	⑤	2.10	400	870	60
		200	⑥	1.80	330	910	70
	III	170	⑦	1.30	210	930	66
		170	⑧	2.20	360	810	58
		170	⑨	1.80	290	870	69
	IV	135	⑩	1.35	170	890	64
		135	⑪	2.30	280	620	52
		135	⑫	1.95	250	750	66
	V	110	⑬	1.45	150	800	61
		110	⑭	2.00	200	470	48
		110	⑮	1.95	190	570	60

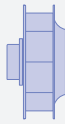
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo



Electrical connection Cable box D02 with cable lateral 105cm



Type RH50V-6EK.4I.1R
Article no. 113380

Weight [kg] 12.10
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

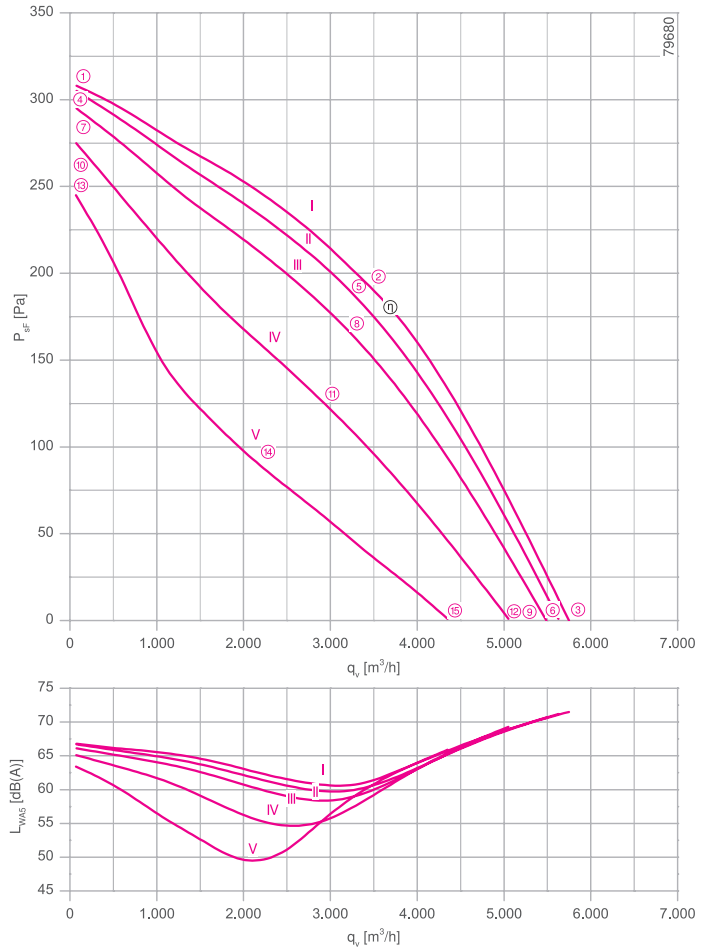
RH50V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V±10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.48 kW*
 Rated current I_N : 2.40 A*
 Rated speed n_N : 930 min⁻¹*
 Current increase ΔI : 10 %
 Service capacitor C_{400V} : 14.0 µF
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

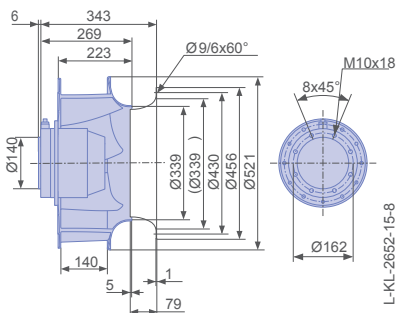


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275572 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH50V-6EK.6F.1R	I	230	①	2.00	330	970	67
		230*	②	2.40*	480*	930*	63
		230	③	2.20	420	950	72
	II	200	④	1.65	270	960	67
		200	⑤	2.30	420	910	60
		200	⑥	1.95	350	930	71
	III	170	⑦	1.45	220	940	66
		170	⑧	2.30	360	870	59
		170	⑨	1.90	310	900	71
	IV	135	⑩	1.40	180	910	65
		135	⑪	2.40	300	770	55
		135	⑫	2.00	260	840	69
	V	110	⑬	1.50	150	860	63
		110	⑭	2.40	240	630	50
		110	⑮	2.10	220	720	66

*rated data

Fan ordering information





Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type RH50V-6EK.6F.1R
Article no. 113381

Weight [kg] 16.90
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 8 pole

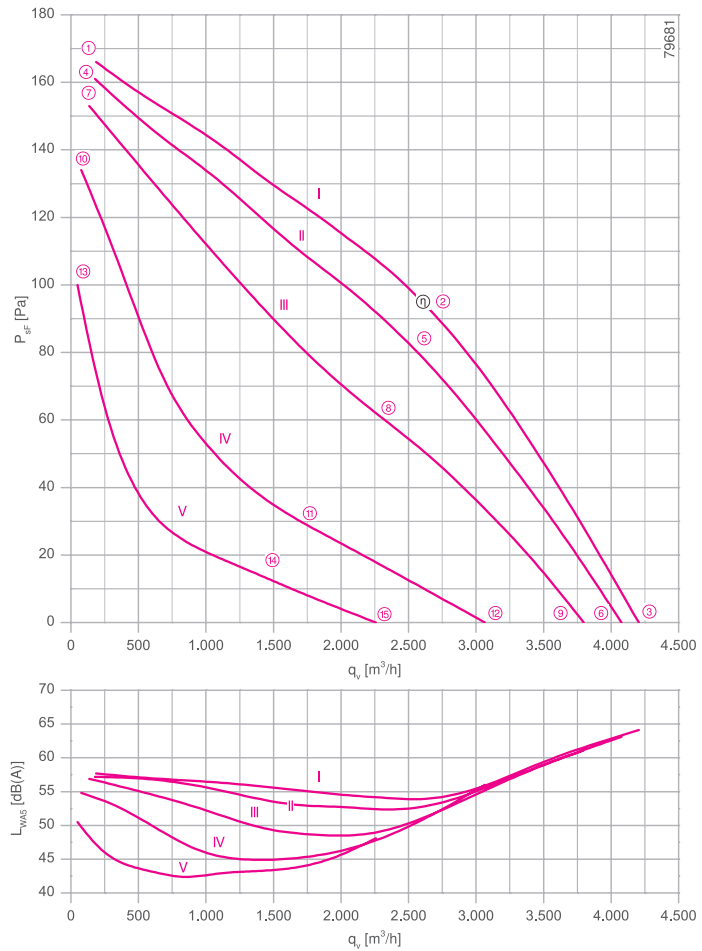
RH50V-8E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.21 kW*
 Rated current I_N : 0,98 A*
 Rated speed n_N : 660 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 5.0 μ F
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

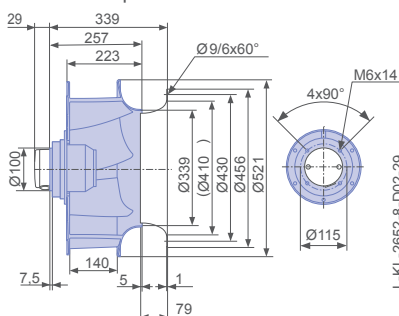
Characteristic curve



- Inlet ring 00275572 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH50V-8EK.4F.1R	I	230	①	0.80	160	700	58
		230*	②	0.98*	210*	660*	54
		230	③	0.88	190	680	64
	II	200	④	0.70	130	690	57
		200	⑤	0.98	180	620	52
		200	⑥	0.82	160	660	63
	III	170	⑦	0.66	110	680	57
		170	⑧	0.98	150	550	48
		170	⑨	0.82	130	620	61
	IV	135	⑩	0.64	80	630	55
		135	⑪	0.92	110	390	45
		135	⑫	0.84	100	500	56
	V	110	⑬	0.64	65	550	51
		110	⑭	0.78	75	300	43
		110	⑮	0.76	75	370	48


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm







Type RH50V-8EK.4F.1R

Article no. 113312

Weight [kg] 10.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for three phase alternating current, 4 pole

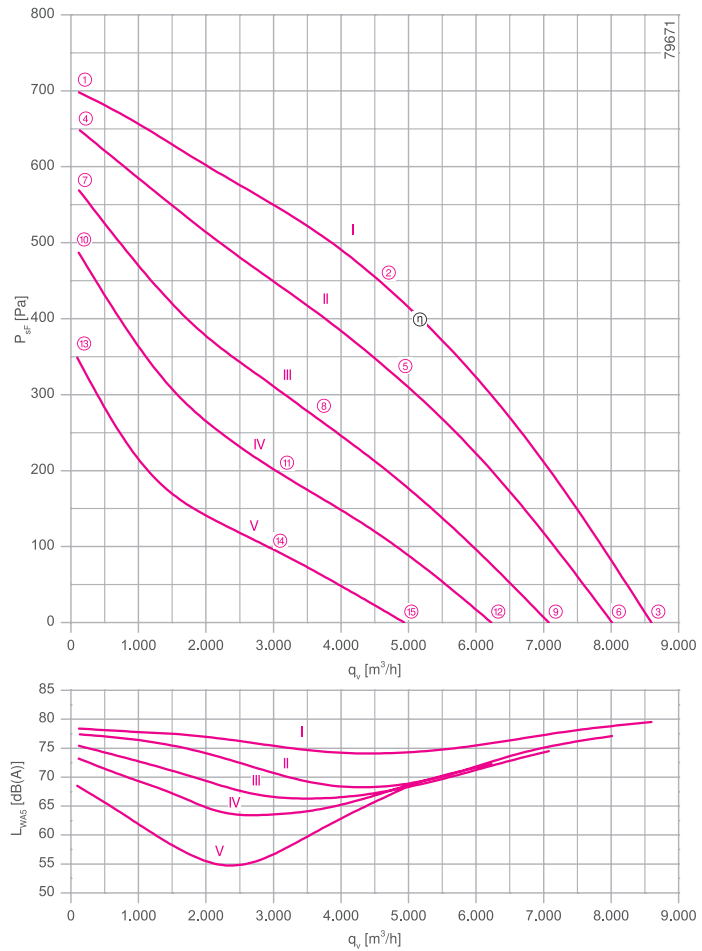
RH50V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1.20 kW*
 Rated current I_N : 3.70/2.10 A*
 Rated speed n_N : 1330 min⁻¹*
 Starting current I_A : 17.00 A / 9,50 A
 Current increase ΔI : 10 %
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 55 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 48.5 %
 Efficiency: $N_{actual} = 58.1 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

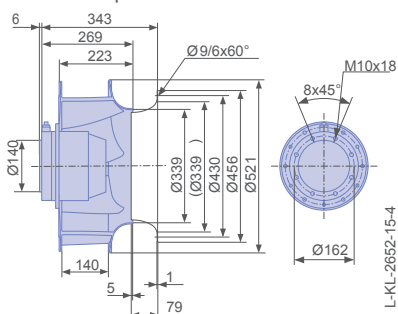


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275572 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH50V-4DK.6F.1R	I	400	①	1.60	800	1400	78
		400*	②	2.10*	1200*	1330*	74
		400	③	1.80	960	1370	80
	II	300	④	1.30	540	1370	77
		300	⑤	2.30	1050	1210	69
		300	⑥	1.95	860	1280	77
	III	230	⑦	1.40	480	1280	75
		230	⑧	2.40	820	1040	66
		230	⑨	2.10	720	1140	75
	IV	190	⑩	1.50	420	1190	73
		190	⑪	2.30	640	890	64
		190	⑫	2.10	580	1000	72
	V	145	⑬	1.55	330	1010	69
		145	⑭	2.00	420	710	56
		145	⑮	1.90	400	800	68

*rated data

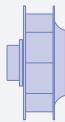
J

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable lateral 105cm



Type RH50V-4DK.6F.1R
Article no. 113267

Weight [kg] 16.90
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➔ Page 484</p>	<p>Motor protection units 3~</p>  <p>➔ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➔ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➔ Page 506</p>
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Vpro

for three phase alternating current, 4 pole

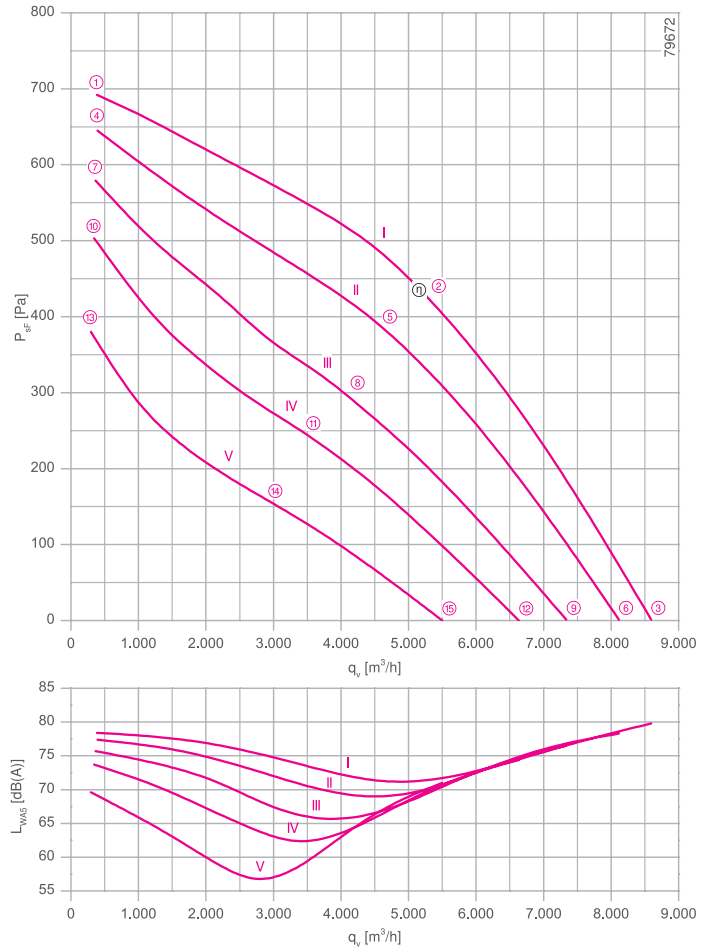
RH50V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 1.25 kW*
 Rated current I_N : 4.90/2.80 A*
 Rated speed n_N : 1360 min⁻¹*
 Starting current I_A : 20,00 A / 11.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 52.5 %
 Efficiency: $N_{actual} = 62.0 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

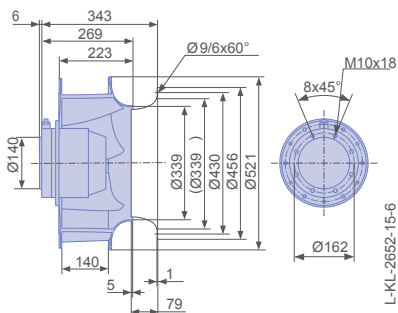


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275572 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH50V-4DK.6K.1R	I	400	①	2.10	660	1440	78
		400*	②	2.80*	1250*	1360*	71
		400	③	2.50	1000	1400	80
	II	300	④	1.75	600	1390	77
		300	⑤	2.60	1050	1260	69
		300	⑥	2.30	880	1320	78
	III	230	⑦	1.80	540	1310	76
		230	⑧	2.70	840	1110	66
		230	⑨	2.30	720	1200	77
	IV	190	⑩	1.80	460	1220	74
		190	⑪	2.60	680	1000	64
		190	⑫	2.30	600	1090	74
	V	145	⑬	1.80	360	1070	70
		145	⑭	2.30	460	820	58
		145	⑮	2.10	420	910	71

*rated data

Fan ordering information





Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type **RH50V-4DK.6K.1R**
Article no. **113290**

Weight [kg] 20.70
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

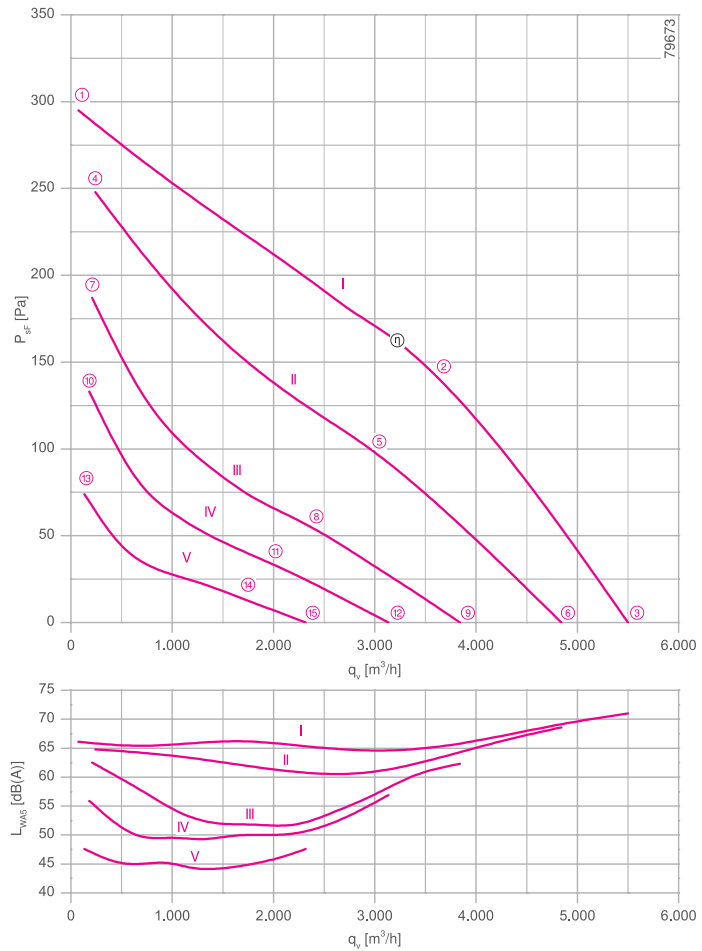
RH50V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.39 kW*
 Rated current I_N : 1.40/0.80 A*
 Rated speed n_N : 840 min⁻¹*
 Starting current I_A : 3.20 A / 1.80 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

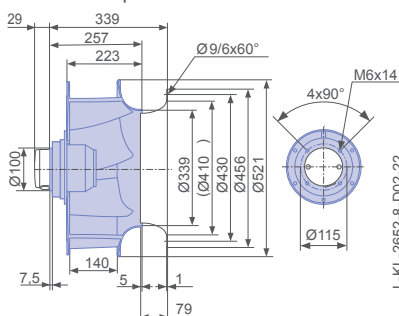
Characteristic curve



- Inlet ring 00275572 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH50V-6DK.4F.1R	I	400	①	0.56	200	940	66
		400*	②	0.80*	390*	840*	65
		400	③	0.70	310	890	71
	II	300	④	0.54	190	860	65
		300	⑤	0.80	300	700	61
		300	⑥	0.68	250	780	69
	III	230	⑦	0.54	160	750	63
		230	⑧	0.72	200	540	52
		230	⑨	0.66	190	620	62
	IV	190	⑩	0.54	120	640	56
		190	⑪	0.62	140	440	50
		190	⑫	0.60	140	510	57
	V	145	⑬	0.46	80	480	48
		145	⑭	0.50	80	320	44
		145	⑮	0.50	80	380	48

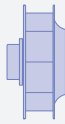
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH50V-6DK.4F.1R
Article no. 113268

Weight [kg] 10.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

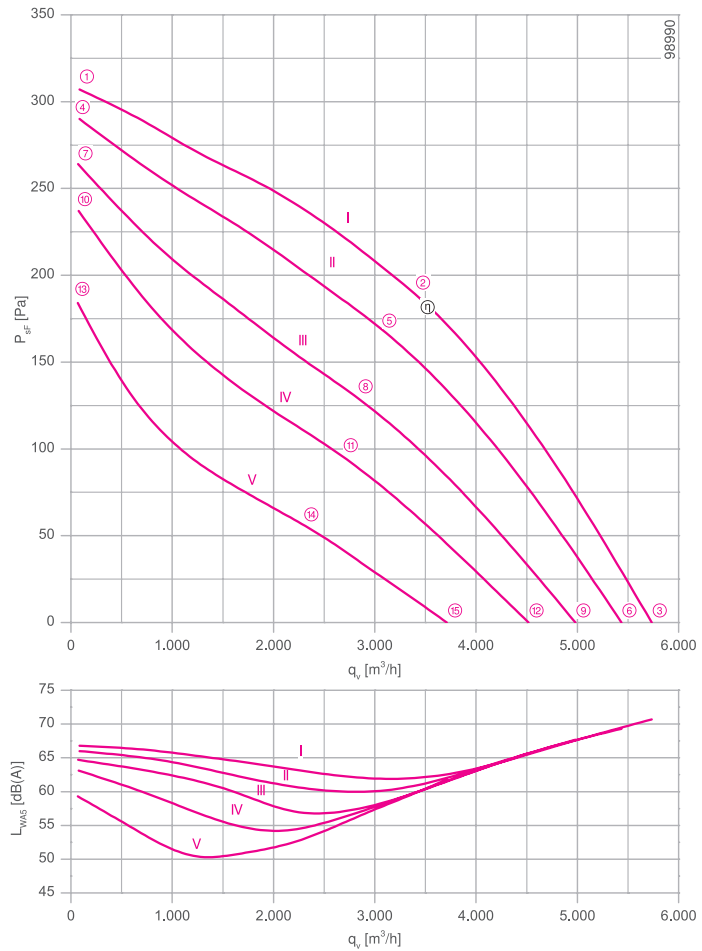
RH50V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.39 kW*
 Rated current I_N : 1.40/0.80 A*
 Rated speed n_N : 920 min⁻¹*
 Starting current I_A : 6.50 A / 3.60 A
 Current increase ΔI : 10 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(\min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(\max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 47.3 %
 Efficiency: $N_{\text{actual}} = 62.0 / N_{\text{target}} = 62$ **
 * Rated data
 **ErP 2015

Characteristic curve

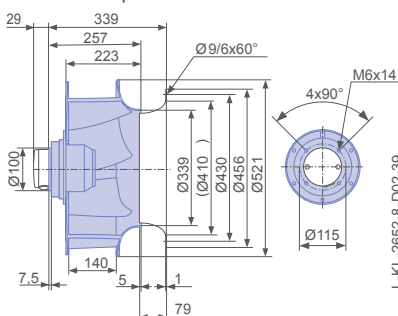


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275572 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH50V-6DK.4I.1R	I	400	①	0.64	200	960	67
		400*	②	0.80*	390*	920*	62
		400	③	0.72	310	940	71
	II	300	④	0.52	170	940	66
		300	⑤	0.78	340	850	60
		300	⑥	0.66	270	890	69
	III	230	⑦	0.50	150	890	65
		230	⑧	0.82	290	760	57
		230	⑨	0.70	240	820	68
	IV	190	⑩	0.52	140	840	63
		190	⑪	0.84	240	670	56
		190	⑫	0.72	210	740	66
	V	145	⑬	0.54	120	750	59
		145	⑭	0.78	170	540	52
		145	⑮	0.70	160	610	62

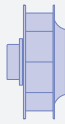
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 65cm



Type RH50V-6DK.4I.1R
Article no. 160178

Weight [kg] 12.10
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 8 pole

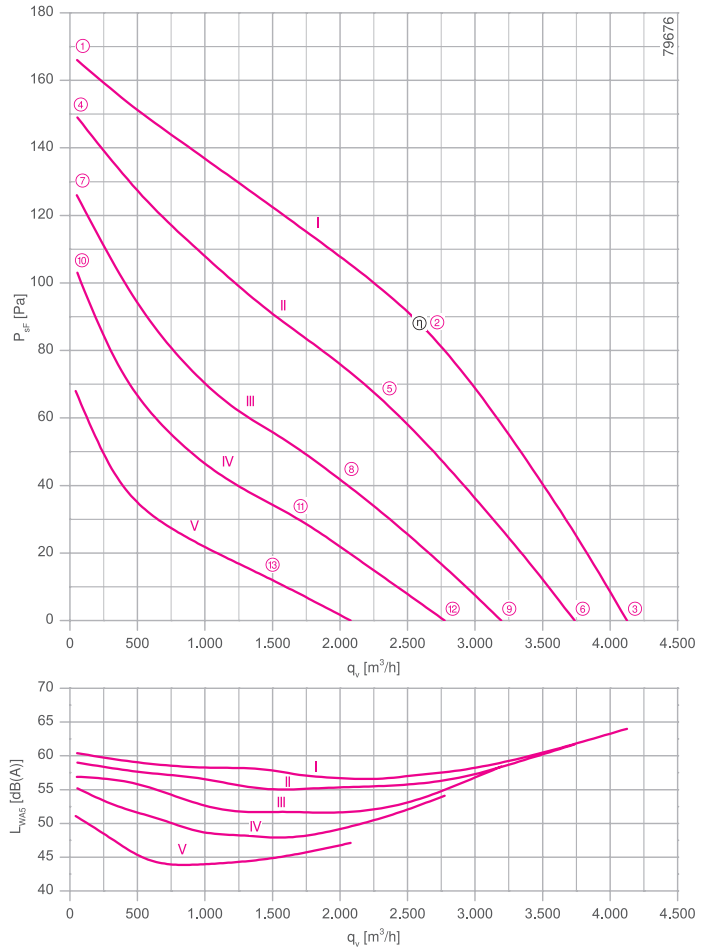
RH50V-8D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.18 kW*
 Rated current I_N : 0.68/0.39 A*
 Rated speed n_N : 640 min⁻¹*
 Starting current I_A : 1.50 A / 0.85 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

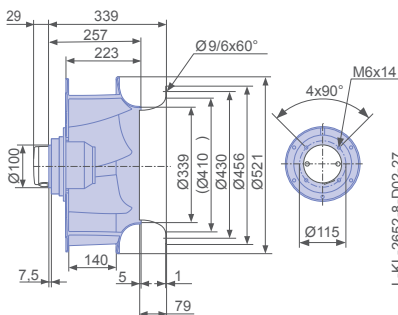
Characteristic curve



- Inlet ring 00275572 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH50V-8DK.4C.1R	I	400	①	0.33	110	700	60
		400*	②	0.39*	180*	640*	57
		400	③	0.36	150	670	64
	II	300	④	0.26	85	670	59
		300	⑤	0.36	140	560	56
		300	⑥	0.32	120	600	62
	III	230	⑦	0.24	70	610	57
		230	⑧	0.34	110	460	51
		230	⑨	0.30	95	520	58
	IV	190	⑩	0.23	60	550	55
		190	⑪	0.31	80	390	48
		190	⑫	0.29	75	450	54
	V	145	⑬	0.22	44	450	51
		145	⑭	0.26	50	290	44
		145	⑮	0.25	50	340	47


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm







Type RH50V-8DK.4C.1R

Article no. 113269

Weight [kg] 9.10

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4-4 pole

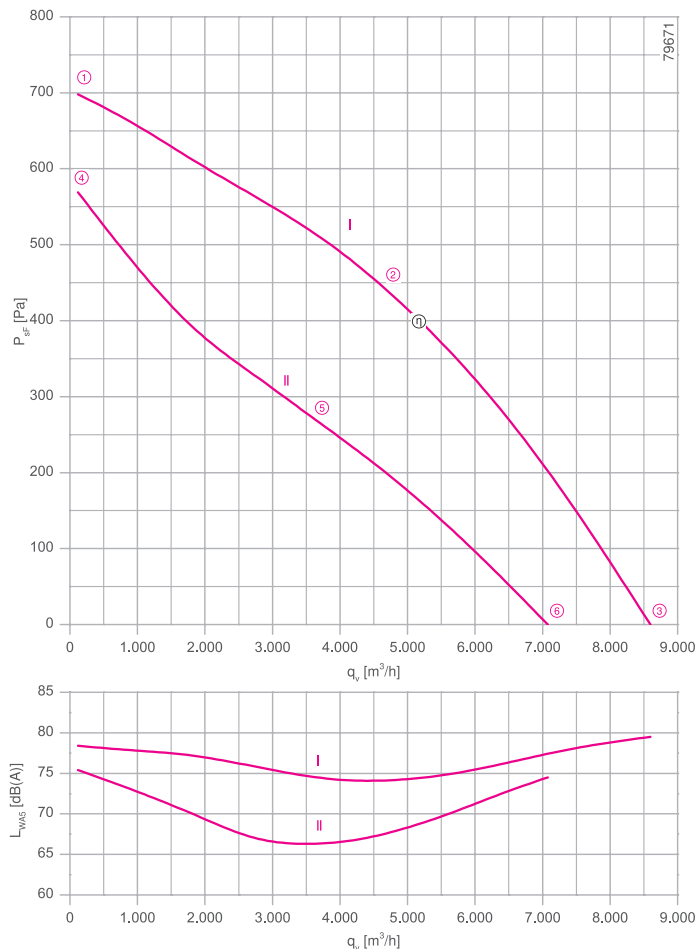
RH50V-VD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1,20/0,82 kW*
 Rated current I_N : 2.10/1.40 A*
 Rated speed n_N : 1330/1040 min⁻¹*
 Starting current I_A : 9,50 A / 3.00 A
 Current increase ΔI : 10 %
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 55 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 48.5 %
 Efficiency: $N_{actual} = 58.1 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

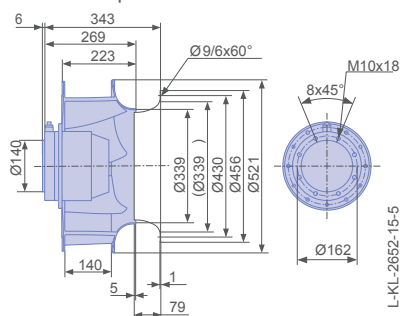


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275572 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH50V-VDK.6F.1R	Δ	I	400	①	1.60	800	1400	78
			400*	②	2.10*	1200*	1330*	74
			400	③	1.80	960	1370	80
	Y	II	400	④	0.80	480	1280	75
			400*	⑤	1.40*	820*	1040*	66
			400	⑥	1.20	720	1140	75

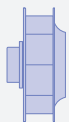
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable lateral 105cm



Type RH50V-VDK.6F.1R
Article no. 113289

Weight [kg] 16.90
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH50V-SDK.4F.1R	Δ	I	400	①	0.72	230	950	66
			400*	②	0.94*	420*	870*	65
			400	③	0.82	330	900	70
	Y	II	400	④	0.32	160	830	63
			400*	⑤	0.48*	230*	590*	60
			400	⑥	0.44	210	680	64


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH50V-SDK.4F.1R
Article no. 113284

Weight [kg] 10.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 8-8 pole

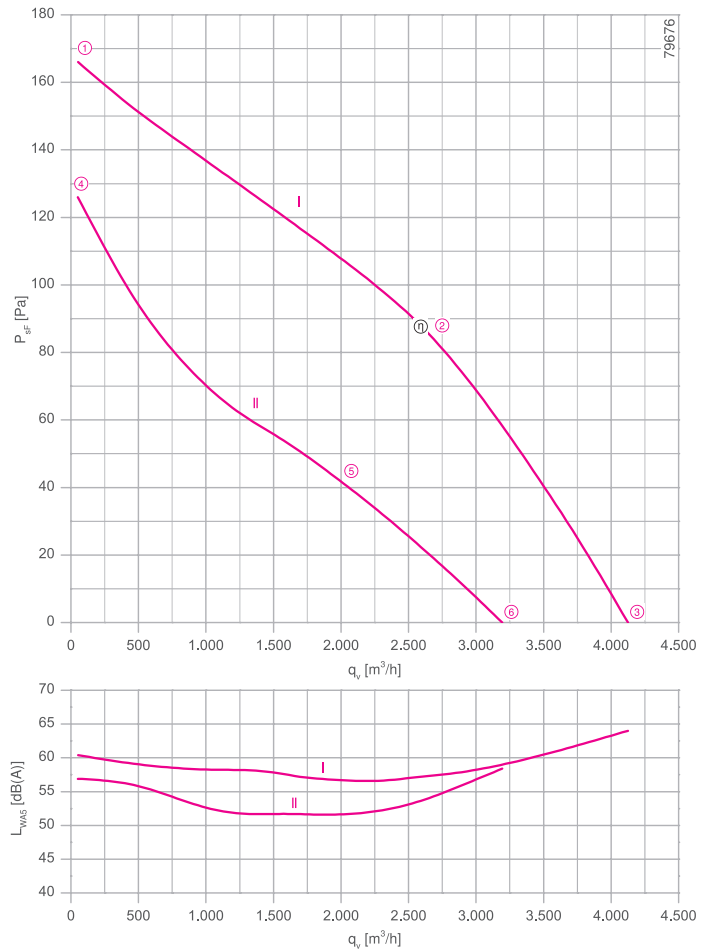
RH50V-AD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) $\pm 10\%$ *
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.18/0.11 kW*
 Rated current I_N : 0.39/0.20 A*
 Rated speed n_N : 640/ 460 min⁻¹*
 Starting current I_A : 0.85 A / 0.26 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

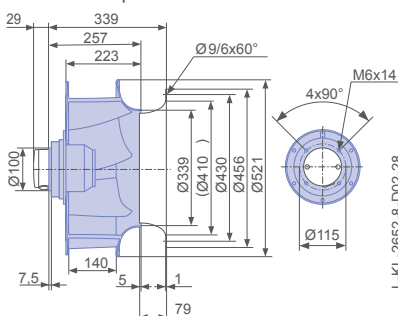


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275572 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L_{WA5} [dB]
			U [V]		I [A]	P_1 [W]	n [min ⁻¹]	
RH50V-ADK.4C.1R	Y	I	400	①	0.33	110	700	60
			400*	②	0.39*	180*	640*	57
			400	③	0.36	150	670	64
	Δ	II	400	④	0.14	70	610	57
			400*	⑤	0.19*	110*	460*	51
			400	⑥	0.17	95	520	58


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH50V-ADK.4C.1R
Article no. 113286

Weight [kg] 9.10
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for single phase alternating current, 6 pole

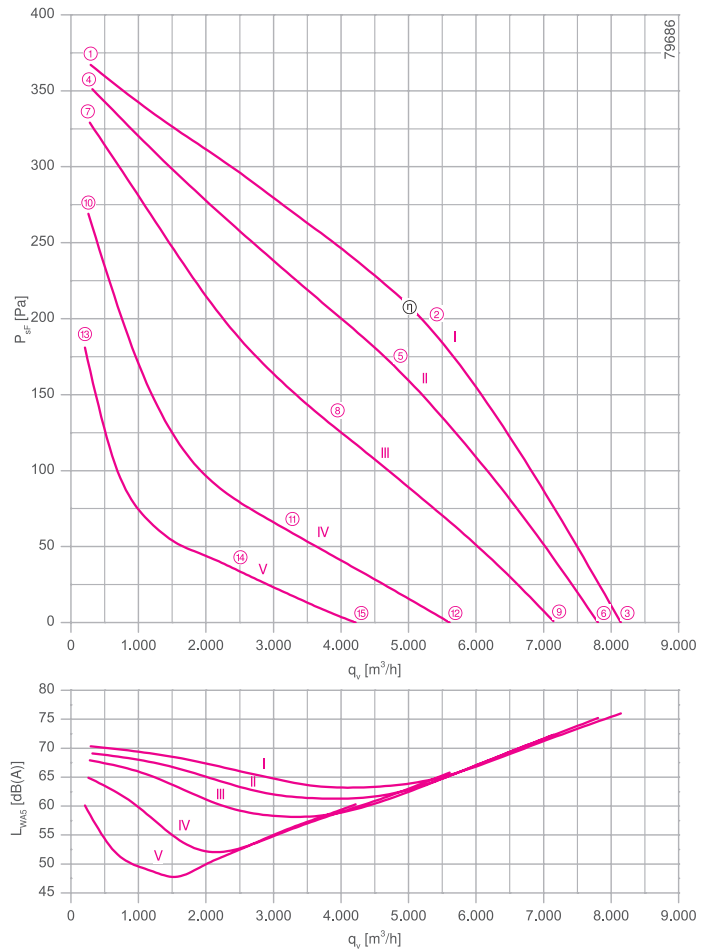
RH56V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.66 kW*
 Rated current I_N : 3.00 A*
 Rated speed n_N : 860 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 14.0 μ F
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 45.6 %
 Efficiency: $N_{actual} = 58.0 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

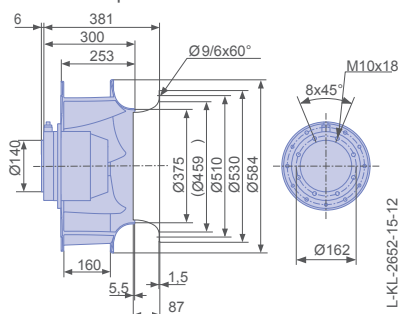


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00278489 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH56V-6EK.6F.1R	I	230	①	1.90	400	940	70
		230*	②	3.00*	660*	860*	64
		230	③	2.40	540	910	76
	II	200	④	1.85	360	930	69
		200	⑤	3.10	580	790	62
		200	⑥	2.50	480	870	75
	III	170	⑦	1.85	310	900	68
		170	⑧	3.10	480	680	59
		170	⑨	2.60	420	800	72
	IV	135	⑩	1.95	260	810	65
		135	⑪	2.70	330	500	54
		135	⑫	2.50	320	630	66
	V	110	⑬	2.00	210	670	60
		110	⑭	2.30	220	390	52
		110	⑮	2.30	220	480	60

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type RH56V-6EK.6F.1R
Article no. 113313

Weight [kg] 18.70
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 6 pole

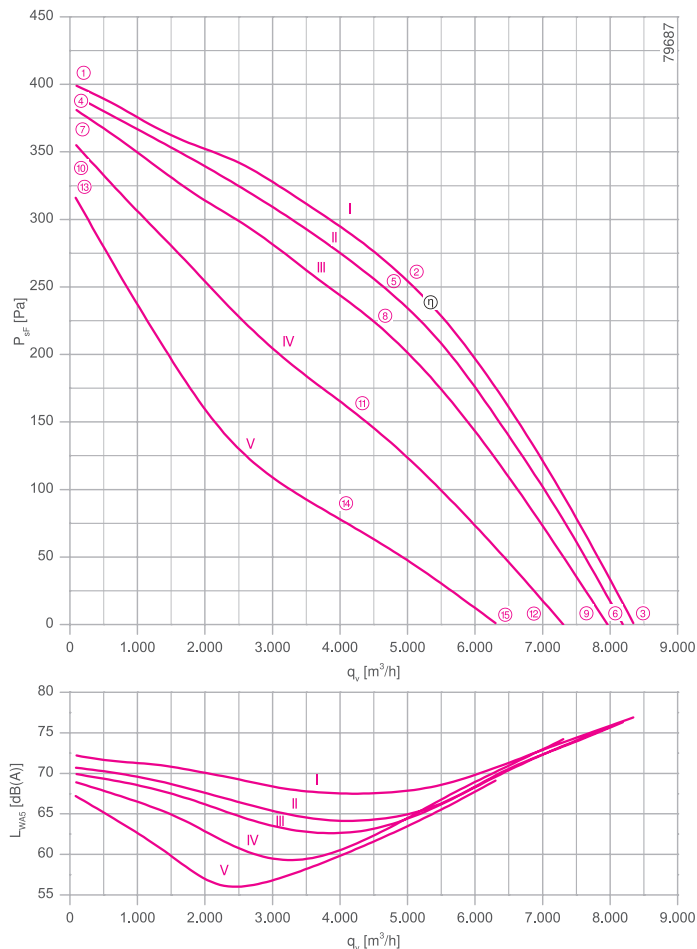
RH56V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.84 kW*
 Rated current I_N : 4.40 A*
 Rated speed n_N : 920 min⁻¹*
 Current increase ΔI : 10 %
 Service capacitor C_{400V} : 20.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 55 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

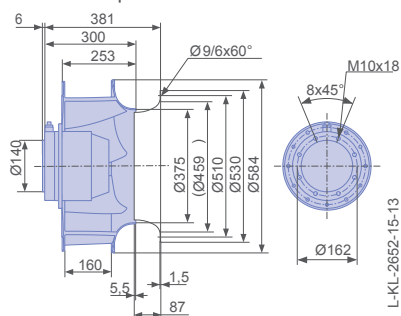


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00278489 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH56V-6EK.6K.1R	I	230	①	3.60	520	970	72
		230*	②	4.40*	840*	920*	68
		230	③	4.00	680	940	77
	II	200	④	3.00	420	960	71
		200	⑤	4.20	740	890	64
		200	⑥	3.50	600	930	76
	III	170	⑦	2.60	360	950	70
		170	⑧	4.40	680	850	63
		170	⑨	3.50	540	900	76
	IV	135	⑩	2.60	300	910	69
		135	⑪	4.80	580	740	61
		135	⑫	3.80	460	830	74
	V	110	⑬	2.70	270	860	67
		110	⑭	4.80	460	590	59
		110	⑮	4.00	400	720	69

*rated data

Fan ordering information





Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type **RH56V-6EK.6K.1R**
Article no. **113382**

Weight [kg] 22.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for single phase alternating current, 8 pole

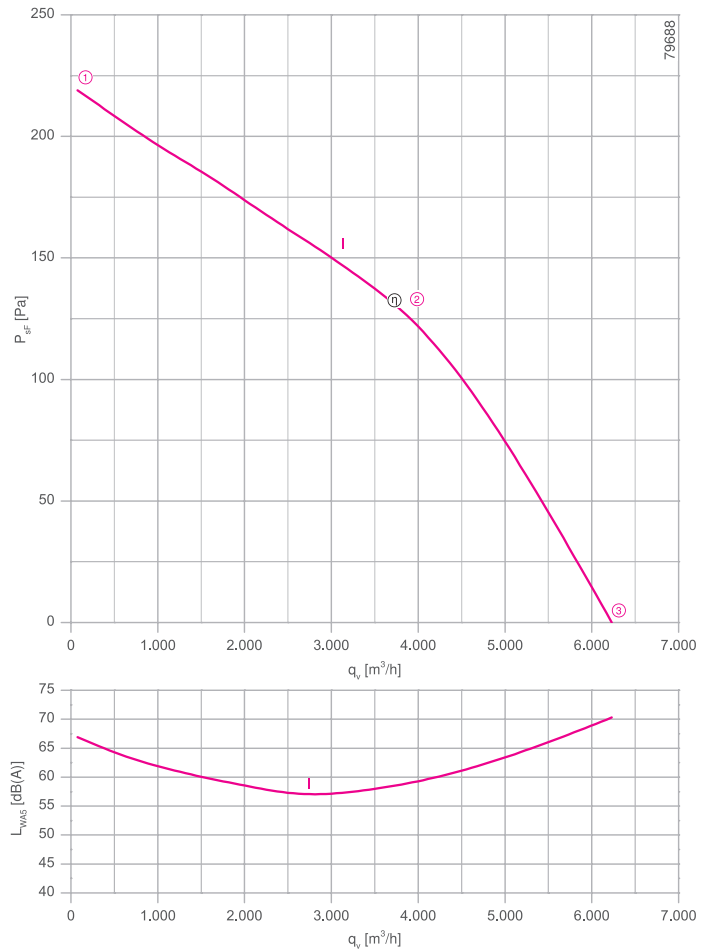
RH56V-8E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.35 kW*
 Rated current I_N : 1.65 A*
 Rated speed n_N : 670 min⁻¹*
 Service capacitor C_{400V} : 8.0 μ F
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

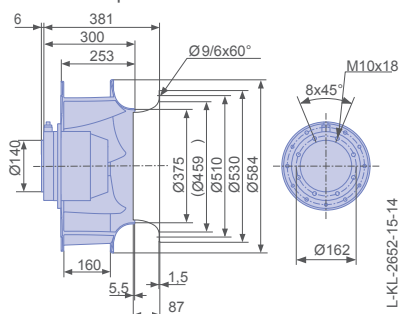


measured with inlet ring, without guard grille according to ISO 5801
 not voltage controllable

- Inlet ring 00278489 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
 in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	
RH56V-8EK.6C.1R	I	230	①	1.20	230	720	67
		230*	②	1.65*	350*	670*	59
		230	③	1.40	290	690	70

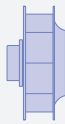
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable lateral 105cm



Type RH56V-8EK.6C.1R
Article no. 113314

Weight [kg] 16.30
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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- Information
- Cpro-ECblue
- Vpro-ECblue
- Vpro
- L-series
- M-series
- System components
- Control technology
- General notes



Vpro

for three phase alternating current, 4 pole

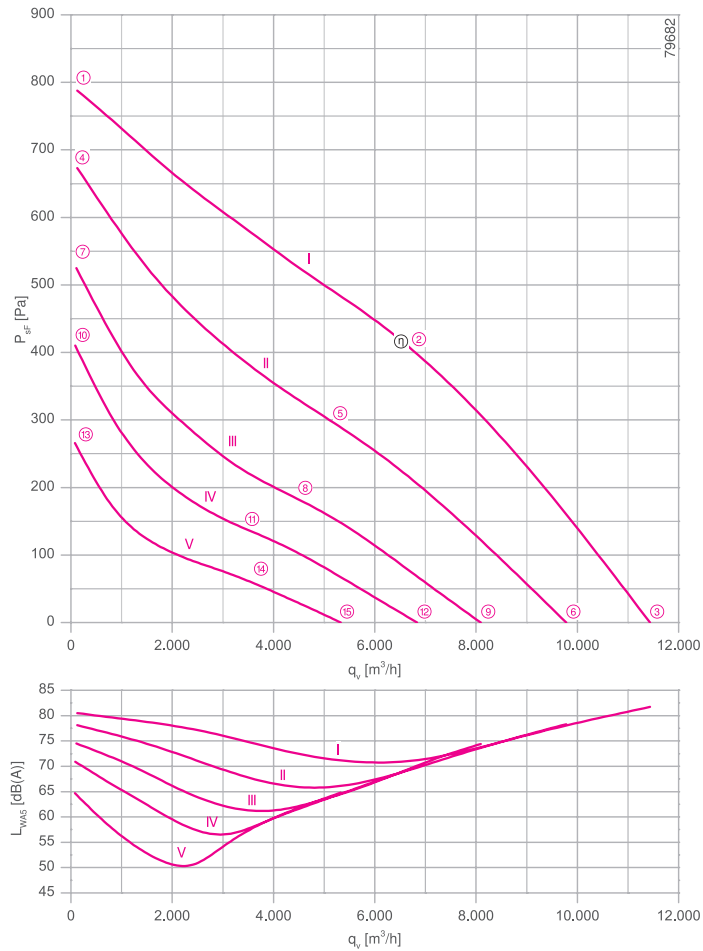
RH56V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1.70 kW*
 Rated current I_N : 5.60/3.20 A*
 Rated speed n_N : 1180 min⁻¹*
 Starting current I_A : 16.00 A / 9,50 A
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 50 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

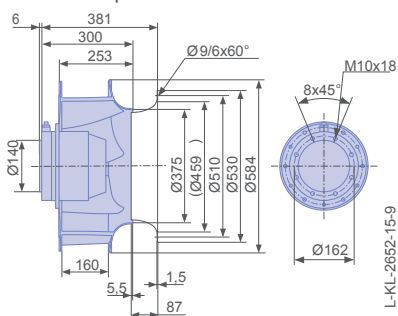


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00278489 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH56V-4DK.6K.1R	I	400	①	1.95	880	1370	81
		400*	②	3.30*	1700*	1180*	71
		400	③	2.80	1400	1270	82
	II	300	④	2.00	760	1270	78
		300	⑤	3.20	1250	1000	66
		300	⑥	2.80	1100	1110	78
	III	230	⑦	1.95	600	1120	75
		230	⑧	2.80	820	800	63
		230	⑨	2.50	760	910	74
	IV	190	⑩	1.90	480	990	71
		190	⑪	2.40	580	670	59
		190	⑫	2.30	560	770	70
	V	145	⑬	1.70	320	800	65
		145	⑭	2.00	360	520	54
		145	⑮	1.90	350	610	65

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH56V-4DK.6K.1R**
Article no. **113270**

Weight [kg] 22.50

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

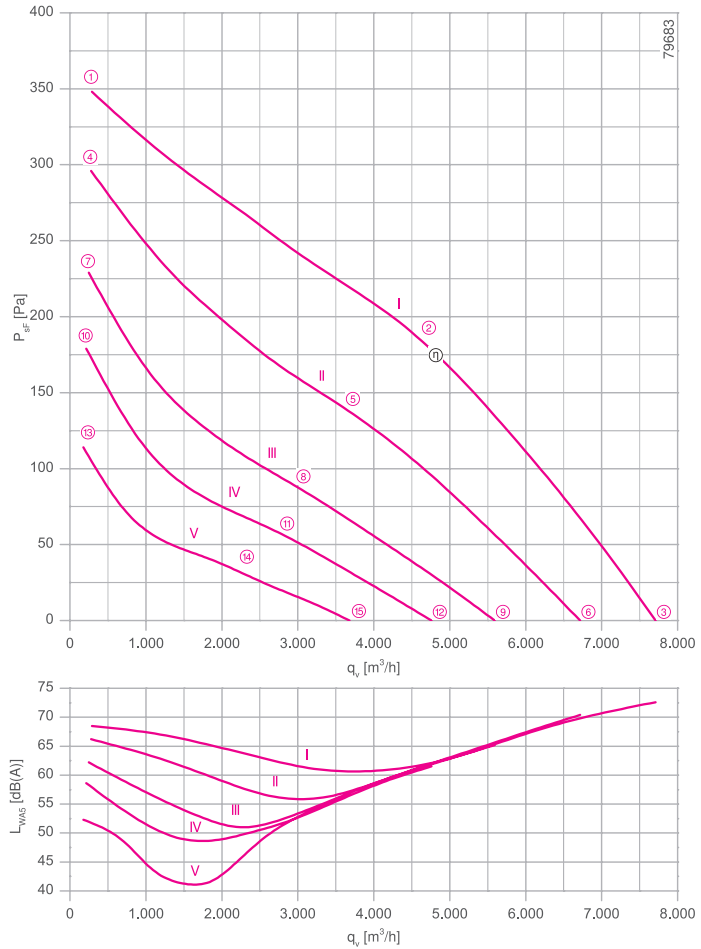
RH56V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.60 kW*
 Rated current I_N : 1.80/1.05 A*
 Rated speed n_N : 800 min⁻¹*
 Starting current I_A : 4.0 A / 2.80 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

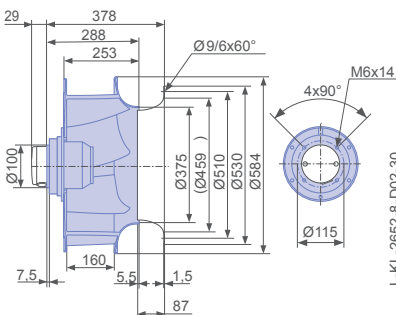


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00278489 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH56V-6DK.4F.1R	I	400	①	0.76	340	910	69
		400*	②	1.05*	600*	800*	61
		400	③	0.92	480	860	73
	II	300	④	0.68	290	840	66
		300	⑤	1.00	460	680	59
		300	⑥	0.88	390	750	70
	III	230	⑦	0.68	240	740	62
		230	⑧	0.94	330	550	56
		230	⑨	0.84	300	630	65
	IV	190	⑩	0.68	200	650	59
		190	⑪	0.86	250	460	52
		190	⑫	0.80	230	540	62
	V	145	⑬	0.62	140	520	52
		145	⑭	0.72	160	360	42
		145	⑮	0.68	150	420	57


*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Cable box D02 with cable lateral 105cm



Type RH56V-6DK.4F.1R
Article no. 113271

Weight [kg] 12.20
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 6 pole

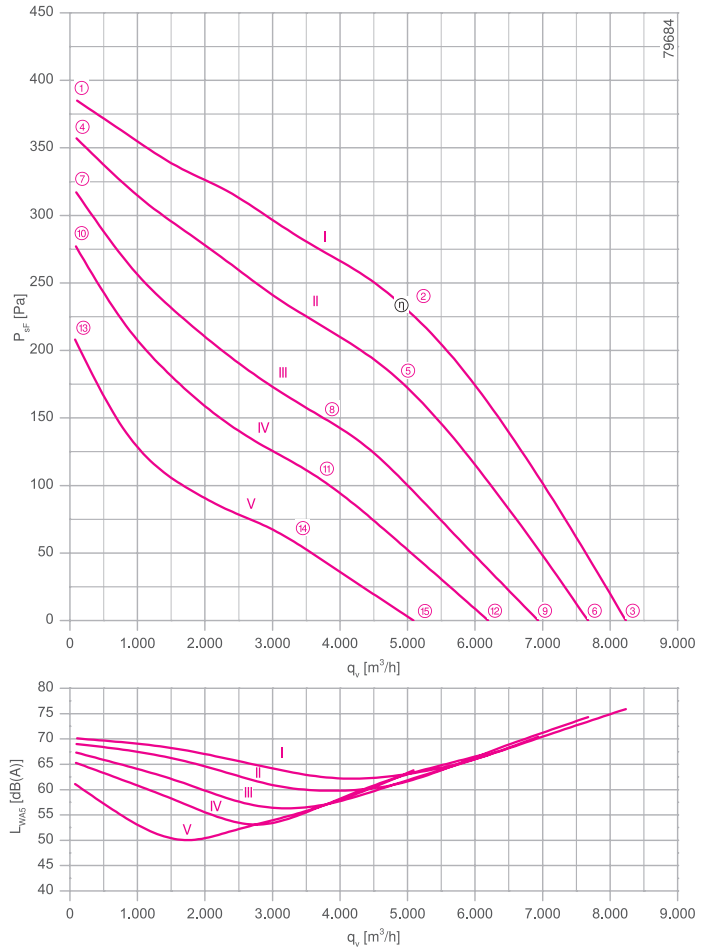
RH56V-6D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.66 kW*
 Rated current I_N : 2.40/1.40 A*
 Rated speed n_N : 880 min⁻¹*
 Starting current I_A : 8.50 A / 5.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-Daten
 Efficiency η_{statA} : 49.9 %
 Efficiency: $\eta_{actual} = 62.3 / N_{target} = 62$ **
 * Rated data
 **ErP 2015

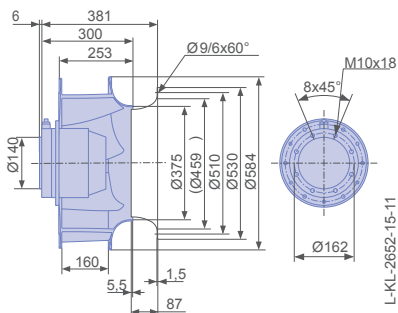
Characteristic curve



- Inlet ring 00278489 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH56V-6DK.6F.1R	I	400	①	1.10	330	950	70
		400*	②	1.40*	660*	880*	63
		400	③	1.25	500	920	76
	II	300	④	0.88	280	920	69
		300	⑤	1.35	540	810	61
		300	⑥	1.15	440	860	74
	III	230	⑦	0.84	240	860	67
		230	⑧	1.30	420	700	57
		230	⑨	1.10	360	770	70
	IV	190	⑩	0.84	220	810	65
		190	⑪	1.30	340	620	56
		190	⑫	1.10	300	690	67
	V	145	⑬	0.84	170	700	61
		145	⑭	1.15	230	500	54
		145	⑮	1.05	210	570	64

*rated data

Fan ordering information

Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm







Type **RH56V-6DK.6F.1R**
Article no. **113446**

Weight [kg] 18.70

* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➔ Page 484</p>	<p>Motor protection units 3~</p>  <p>➔ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➔ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➔ Page 506</p>
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Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH56V-8DK.4F.1R	I	400	①	0.50	180	680	60
		400*	②	0.62*	290*	610*	56
		400	③	0.56	240	650	67
	II	300	④	0.42	140	640	58
		300	⑤	0.58	220	530	55
		300	⑥	0.50	190	580	64
	III	230	⑦	0.39	110	580	55
		230	⑧	0.52	160	430	52
		230	⑨	0.46	140	490	61
	IV	190	⑩	0.37	95	510	52
		190	⑪	0.46	120	360	46
		190	⑫	0.44	110	420	58
	V	145	⑬	0.34	65	400	46
		145	⑭	0.39	75	270	38
		145	⑮	0.37	70	320	54


*rated data
J

Fan ordering information

Design RH*

Installation position H/Vo



Electrical connection Cable box D02 with cable lateral 105cm



Type RH56V-8DK.4F.1R
Article no. 113272

Weight [kg] 12.20
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4-4 pole

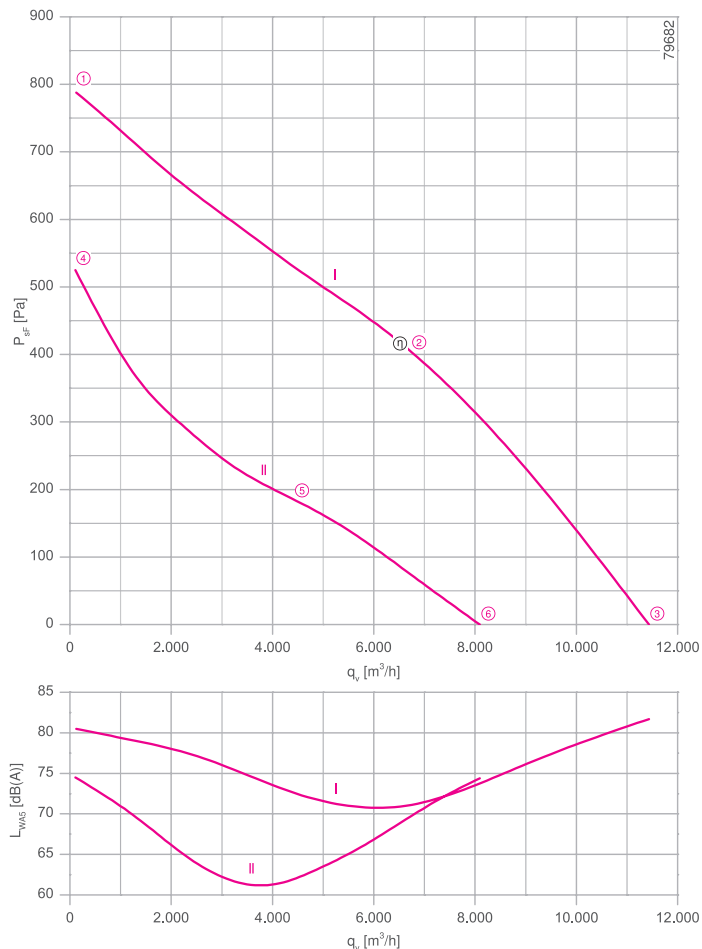
RH56V-VD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1.70/0.82 kW*
 Rated current I_N : 3.30/1.60 A*
 Rated speed n_N : 1180/ 800 min^{-1} *
 Starting current I_A : 9.00 A / 2.80 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(\text{min})}$: -15 °C
 Max. permitted ambient temperature $t_{R(\text{max})}$: 50 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

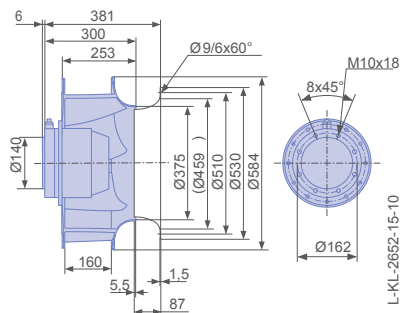
Characteristic curve



- Inlet ring 00278489 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH56V-VDK.6K.1R	Δ	I	400	①	1.95	880	1370	81
			400*	②	3.30*	1700*	1180*	71
			400	③	2.80	1400	1270	82
	Y	II	400	④	1.15	600	1120	75
			400*	⑤	1.60*	820*	800*	63
			400	⑥	1.45	760	910	74

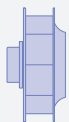
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Supply cable lateral 105cm



Type RH56V-VDK.6K.1R
Article no. 113291

Weight [kg] 22.50
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Information

Cpro-ECblue

Vpro-ECblue

Vpro

L-series

M-series

System components

Control technology

General notes

Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH56V-SDK.4F.1R	Δ	I	400	①	0.76	340	910	69
			400*	②	1.05*	600*	800*	61
			400	③	0.92	480	860	73
	Y	II	400	④	0.39	240	740	62
			400*	⑤	0.54*	330*	550*	56
			400	⑥	0.50	300	630	65

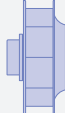
*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo

Electrical connection Cable box D02 with cable lateral 105cm



Type RH56V-SDK.4F.1R
Article no. 113287

Weight [kg] 12.20
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 8-8 pole

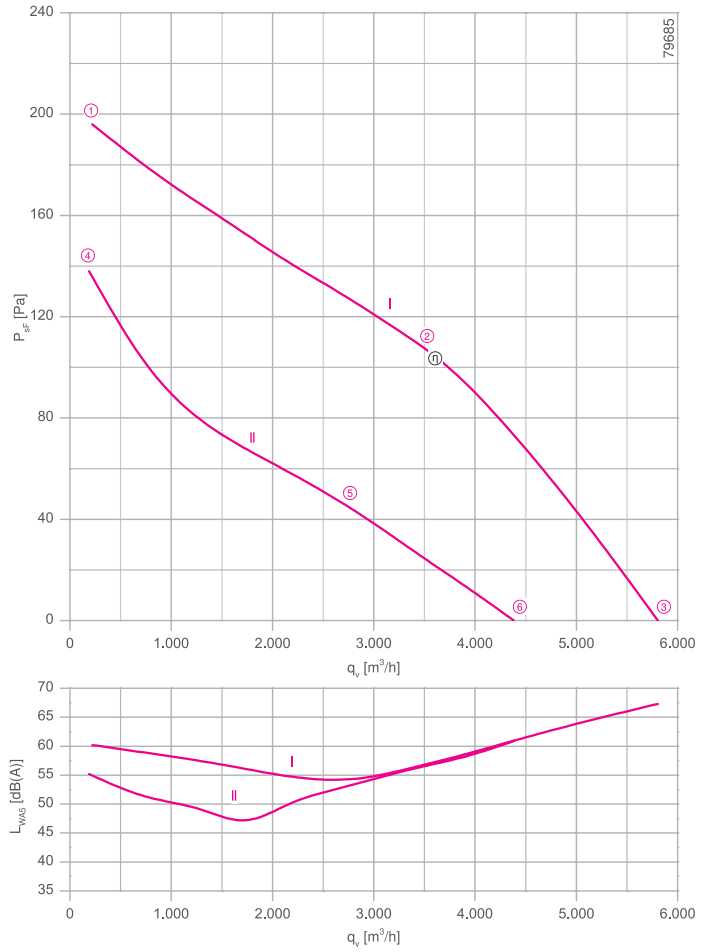
RH56V-AD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) $\pm 10\%$ *
 Rated frequency f_N : 50 Hz *
 Motor input power P_1 : 0,29/0,16 kW *
 Rated current I_N : 0,62/0,30 A *
 Rated speed n_N : 610/ 430 min⁻¹ *
 Starting current I_A : 1.30 A / 0.42 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155** *
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

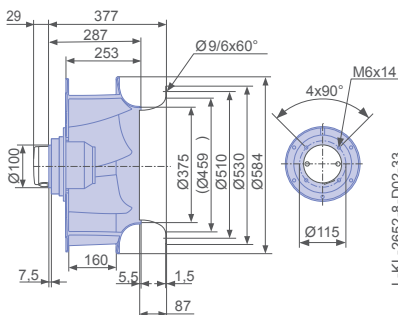
Characteristic curve



- Inlet ring 00278489 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH56V-ADK.4F.1R	Δ	I	400	①	0.50	180	680	60
			400*	②	0.62*	290*	610*	56
			400	③	0.56	240	650	67
	Y	II	400	④	0.23	110	580	55
			400*	⑤	0.30*	160*	430*	52
			400	⑥	0.27	140	490	61


*rated data

Fan ordering information

Design RH*

Installation position H/Vo




Electrical connection Cable box D02 with cable lateral 105cm



Type RH56V-ADK.4F.1R
Article no. 113288

Weight [kg] 12.20
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for single phase alternating current, 6 pole

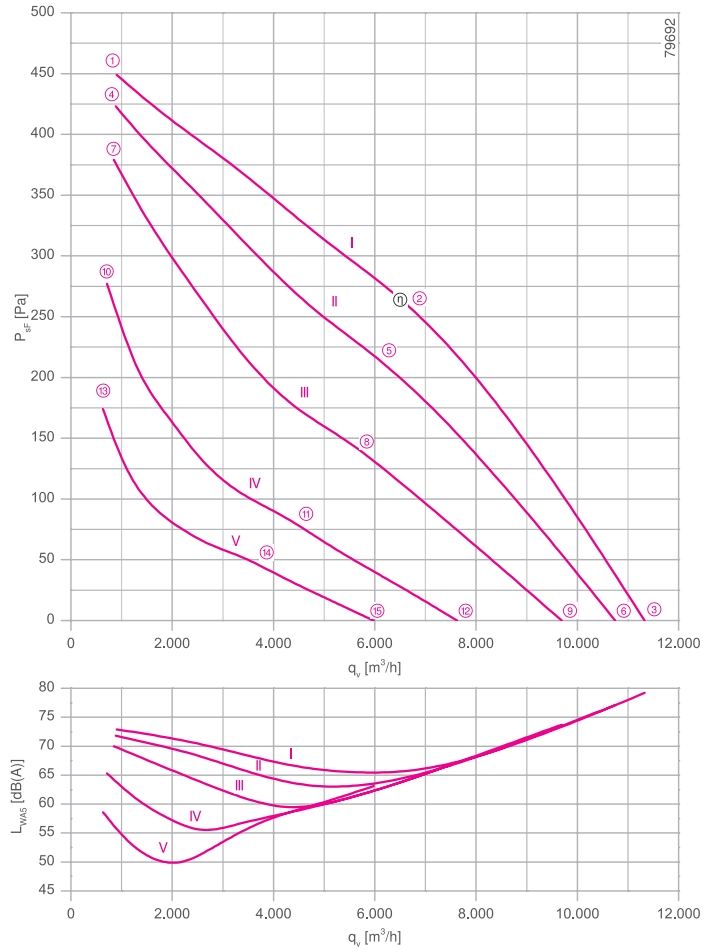
RH63V-6E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1.10 kW*
 Rated current I_N : 5.20 A*
 Rated speed n_N : 830 min⁻¹*
 Starting current I_A : 11.00 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 25.0 μ F
 Dynamic pressure: $p_{d2} = 3.5 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

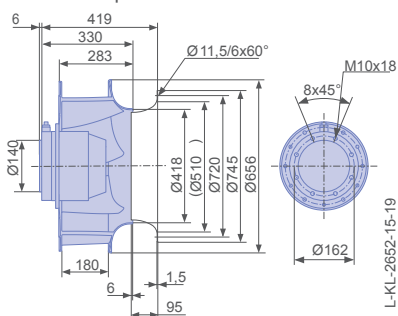
Characteristic curve



- Inlet ring 00279305 Page 450
- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH63V-6EK.6N.1R	I	230	①	3.50	760	920	73
		230*	②	5.20*	1100*	830*	66
		230	③	4.20	920	890	79
	II	200	④	3.50	660	900	72
		200	⑤	5.20	980	760	63
		200	⑥	4.20	820	840	77
	III	170	⑦	3.50	580	850	70
		170	⑧	5.00	780	650	61
		170	⑨	4.40	700	760	74
	IV	135	⑩	3.60	460	730	65
		135	⑪	4.40	520	500	58
		135	⑫	4.00	500	600	67
	V	110	⑬	3.40	340	570	59
		110	⑭	3.70	360	390	52
		110	⑮	3.60	350	480	63

*rated data

Fan ordering information





Design RH*
Installation position H/Vu/Vo
Electrical connection Supply cable lateral 105cm



Type RH63V-6EK.6N.1R
Article no. 113315

Weight [kg] 28.60
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 478</p>	<p>Motor protection units 1~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 517</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 492</p>
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Vpro

for three phase alternating current, 4 pole

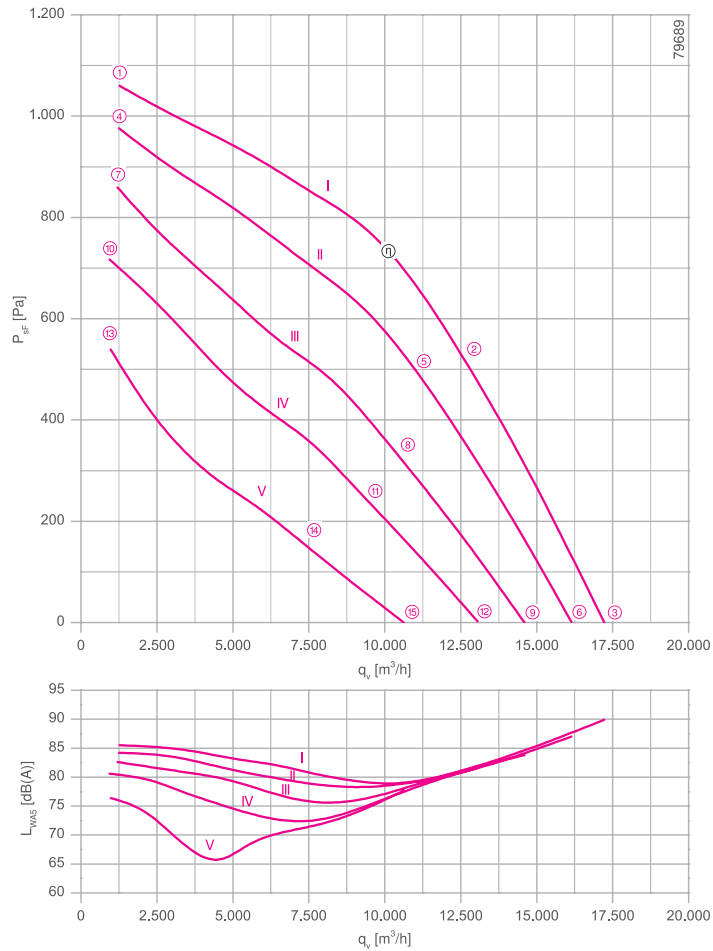
RH63V-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 3.90 kW*
 Rated current I_N : 13.90/6.6 A*
 Rated speed n_N : 1360 min⁻¹*
 Starting current I_s : 60.00 A / 36.00 A
 Current increase ΔI : 20 %
 Dynamic pressure: $p_{d2} = 3.5 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 50 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 54.3 %
 Efficiency: $N_{actual} = 58.6 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

Characteristic curve

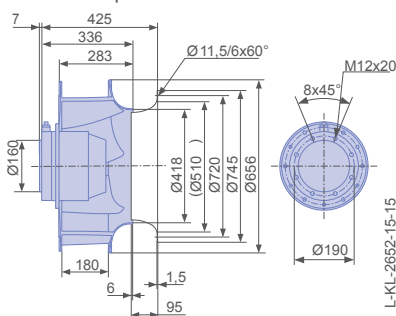


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00279305 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH63V-4DK.7Q.1R	I	400	①	4.20	2200	1430	86
		400*	②	6.60*	3900*	1360*	81
		400	③	5.40	3100	1390	90
	II	300	④	4.40	2000	1370	84
		300	⑤	7.20	3400	1250	78
		300	⑥	6.00	2800	1310	87
	III	230	⑦	4.80	1750	1290	83
		230	⑧	8.00	2800	1100	77
		230	⑨	6.60	2400	1190	84
	IV	190	⑩	5.40	1600	1190	81
		190	⑪	7.80	2300	970	74
		190	⑫	7.00	2000	1070	82
	V	145	⑬	5.60	1200	1030	76
		145	⑭	7.40	1500	780	69
		145	⑮	6.80	1450	880	78

*rated data

Fan ordering information



Design RH*
Installation position H/Vo
Electrical connection Supply cable lateral 105cm



Type **RH63V-4DK.7Q.1R**
Article no. **113273**

Weight [kg] 42.00
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Information
Cpro-ECblue
Vpro-ECblue
Vpro
L-series
M-series
System components
Control technology
General notes

Vpro

for three phase alternating current, 6 pole

RH63V-6D



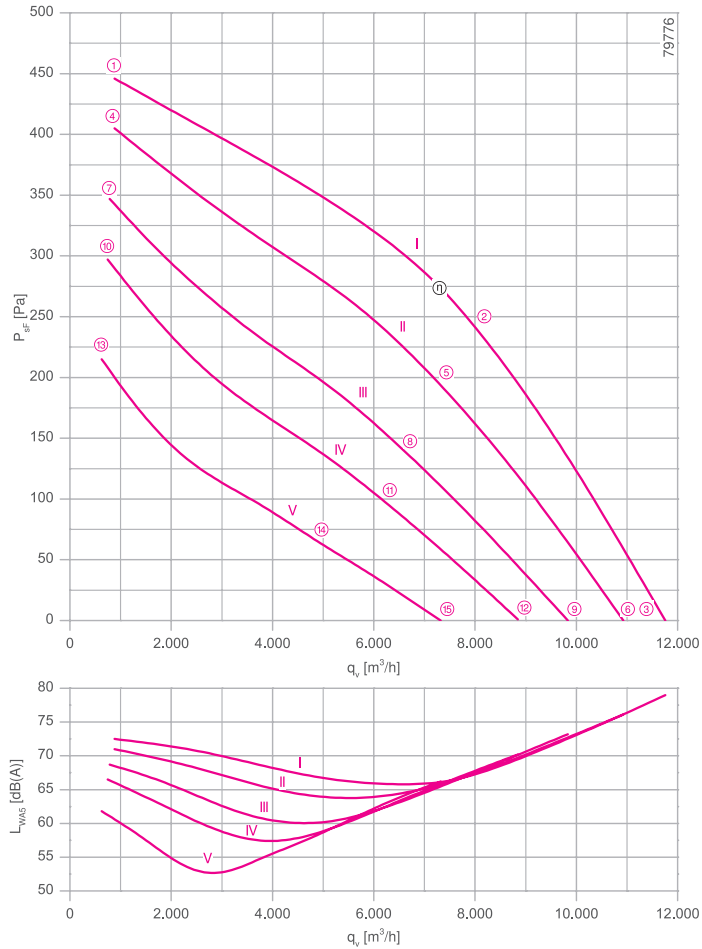
Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 1.15 kW*
 Rated current I_N : 4.30/2.50 A*
 Rated speed n_N : 880 min⁻¹*
 Starting current I_A : 16.00 A / 9.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 3.5 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE

ErP-Daten

Efficiency η_{statA} : 50.0 %
 Efficiency: $N_{actual} = 62.0 / N_{target} = 62$ **
 Frequency inverter required
 * Rated data
 **ErP 2015

Characteristic curve

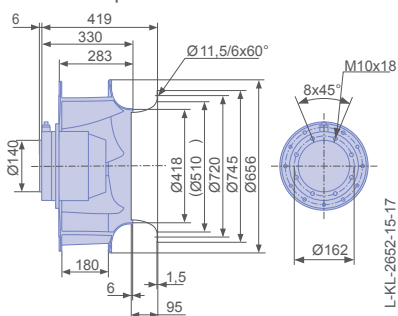


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00279305 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH63V-6DK.6K.1R	I	400	①	2.00	700	940	73
		400*	②	2.50*	1150*	880*	67
		400	③	2.20	880	920	79
	II	300	④	1.65	580	890	71
		300	⑤	2.30	960	800	65
		300	⑥	1.95	740	850	76
	III	230	⑦	1.60	500	820	69
		230	⑧	2.30	760	700	64
		230	⑨	1.90	620	770	73
	IV	190	⑩	1.60	440	760	67
		190	⑪	2.20	600	620	62
		190	⑫	1.90	520	700	70
	V	145	⑬	1.60	330	650	62
		145	⑭	1.95	400	500	57
		145	⑮	1.75	370	580	66

*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo





Electrical connection Supply cable lateral 105cm



Type RH63V-6DK.6K.1R
Article no. 113274

Weight [kg] 24.80
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➔ Page 484</p>	<p>Motor protection units 3~</p>  <p>➔ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➔ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➔ Page 506</p>
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Vpro

for three phase alternating current, 8 pole

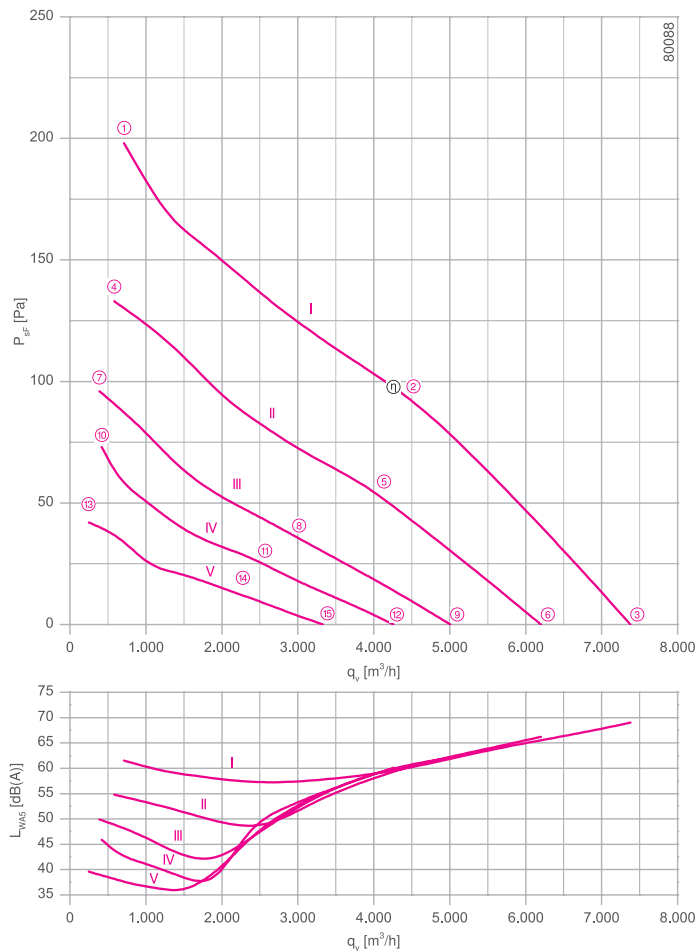
RH63V-8D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.38 kW*
 Rated current I_N : 0.85/0.50 A*
 Rated speed n_N : 520 min⁻¹*
 Starting current I_A : 2.60 A / 1.50 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 3.5 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$:
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve

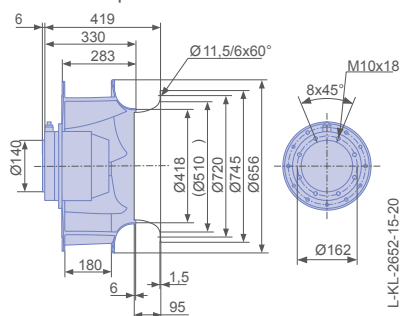


measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00279305 Page 450
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
RH63V-8DK.6C.1R	I	400	①	0.70	260	620	62
		400*	②	0.86*	380*	520*	60
		400	③	0.78	320	570	69
	II	300	④	0.62	210	510	55
		300	⑤	0.72	250	420	53
		300	⑥	0.66	220	480	66
	III	230	⑦	0.54	140	440	50
		230	⑧	0.60	160	330	52
		230	⑨	0.56	150	390	62
	IV	190	⑩	0.48	110	380	46
		190	⑪	0.52	120	280	47
		190	⑫	0.50	110	330	60
	V	145	⑬	0.40	65	290	40
		145	⑭	0.42	70	220	36
		145	⑮	0.42	70	260	55

*rated data

Fan ordering information


Design RH*
Installation position H/Vo
Electrical connection Supply cable lateral 105cm



Type **RH63V-8DK.6C.1R**
Article no. **113275**

Weight [kg] 18.60
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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Vpro

for three phase alternating current, 4-4 pole

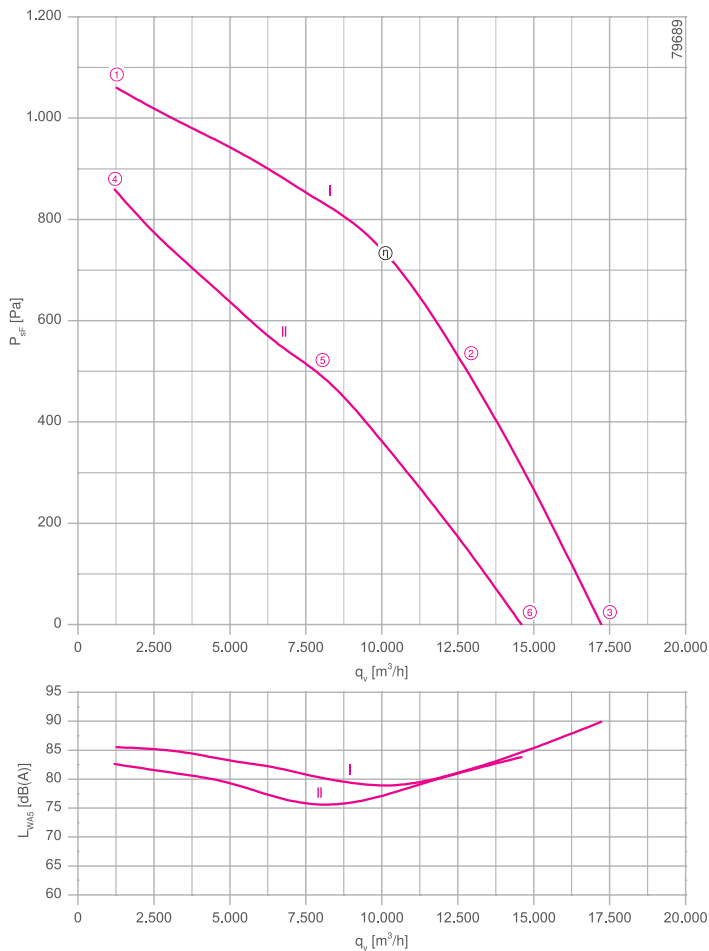
RH63V-VD



Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ/Y) $\pm 10\%$ *
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 3.90/2.80 kW*
 Rated current I_N : 6.60/4.60 A*
 Rated speed n_N : 1360/1100 min⁻¹*
 Starting current I_s : 34.00 A / 10.00 A
 Current increase ΔI : 20 %
 Dynamic pressure: $p_{d2} = 3.5 \cdot 10^{-7} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 50 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-Daten
 Efficiency η_{statA} : 54.3 %
 Efficiency: $N_{actual} = 58.6 / N_{target} = 58$ **
 * Rated data
 **ErP 2013

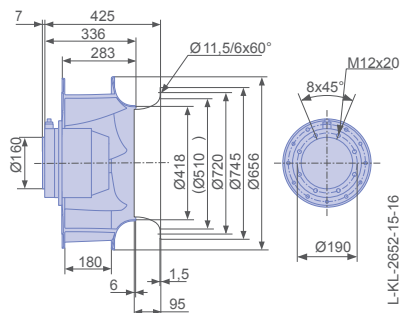
Characteristic curve



- Inlet ring 00279305 Page 450
- Connection diagram 1360-108XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level L _{WA5} [dB]
			U [V]					
RH63V-VDK.7Q.1R	Δ	I	400	①	4.20	2200	1430	86
			400*	②	6.60*	3900*	1360*	81
			400	③	5.40	3100	1390	90
	Y	II	400	④	2.80	1750	1290	83
			400*	⑤	4.60*	2800*	1100*	77
			400	⑥	3.90	2400	1190	84

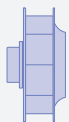
*rated data

Fan ordering information

Design RH*

Installation position H/Vo

Electrical connection Supply cable lateral
105cm



Type RH63V-VDK.7Q.1R
Article no. 113383

Weight [kg] 42.00
* Inlet ring not included

Control technology

<p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 484</p>	<p>Motor protection units 3~</p>  <p>➤ Page 526</p>	<p>Transformer-based controllers 3~</p>  <p>➤ Page 521</p>	<p>Electronic voltage controllers 3~</p>  <p>➤ Page 506</p>
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