Vpro

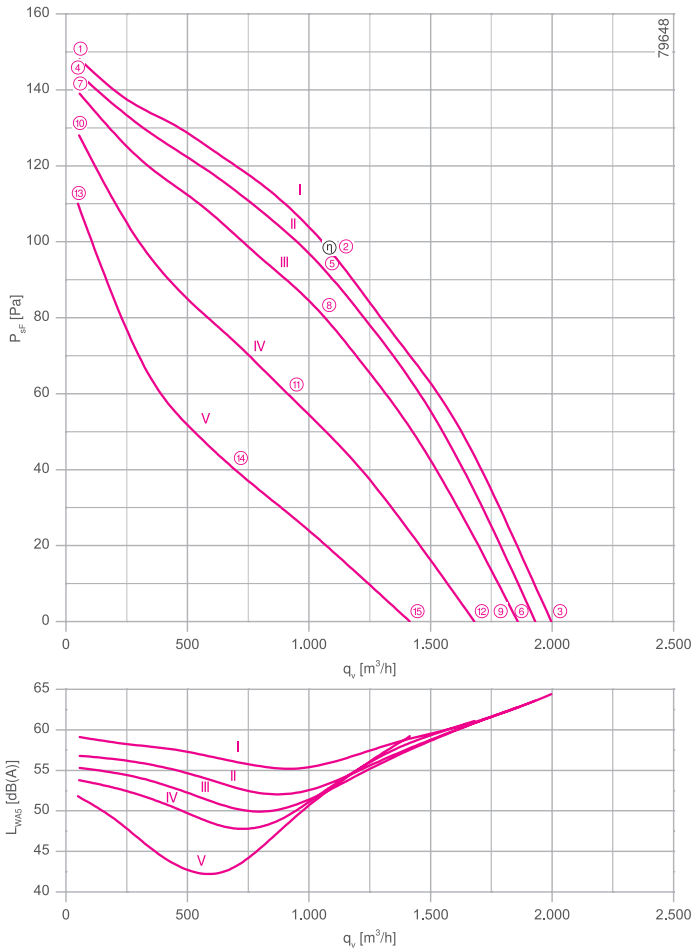
for single phase alternating current, 6 pole

RH35V-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: **0.11 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 µF
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

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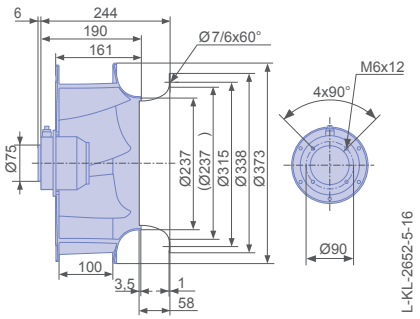
Dimensions [mm]

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



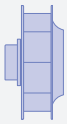
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [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

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Transformer-based controllers 1~

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Electronic voltage controllers 1~

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Vpro

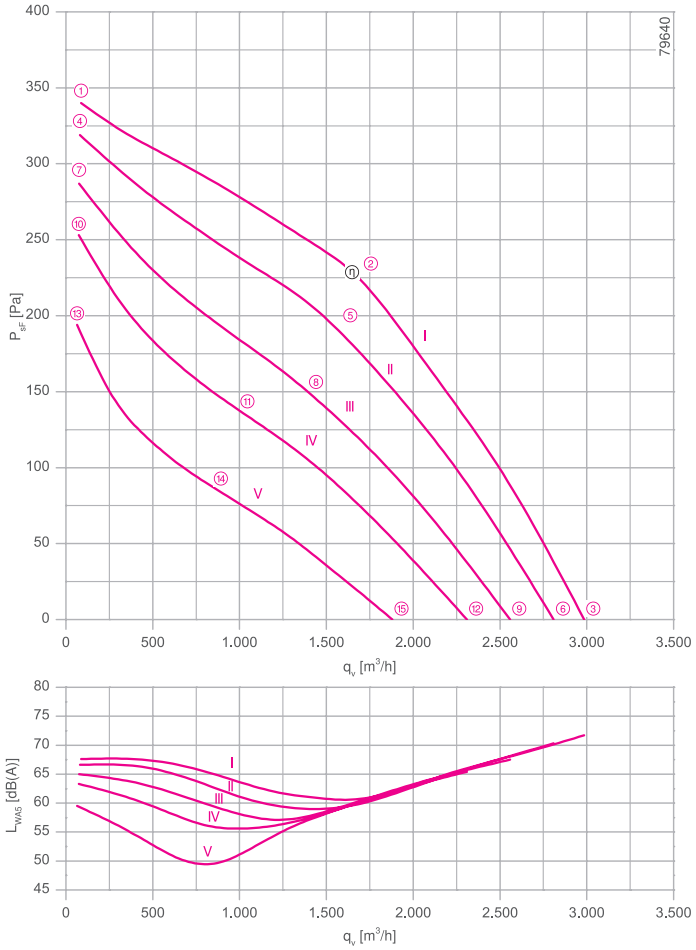
for three phase alternating current, 4 pole

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

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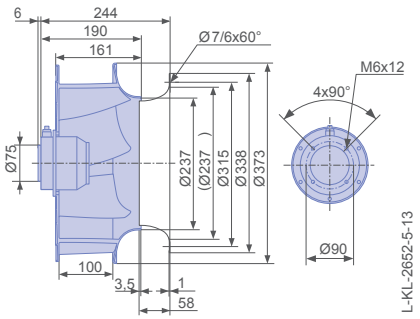
Dimensions [mm]

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



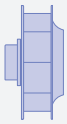
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [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

Frequency inverter Fcontrol 3~

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Motor protection units 3~

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Transformer-based controllers 3~

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Electronic voltage controllers 3~

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Vpro

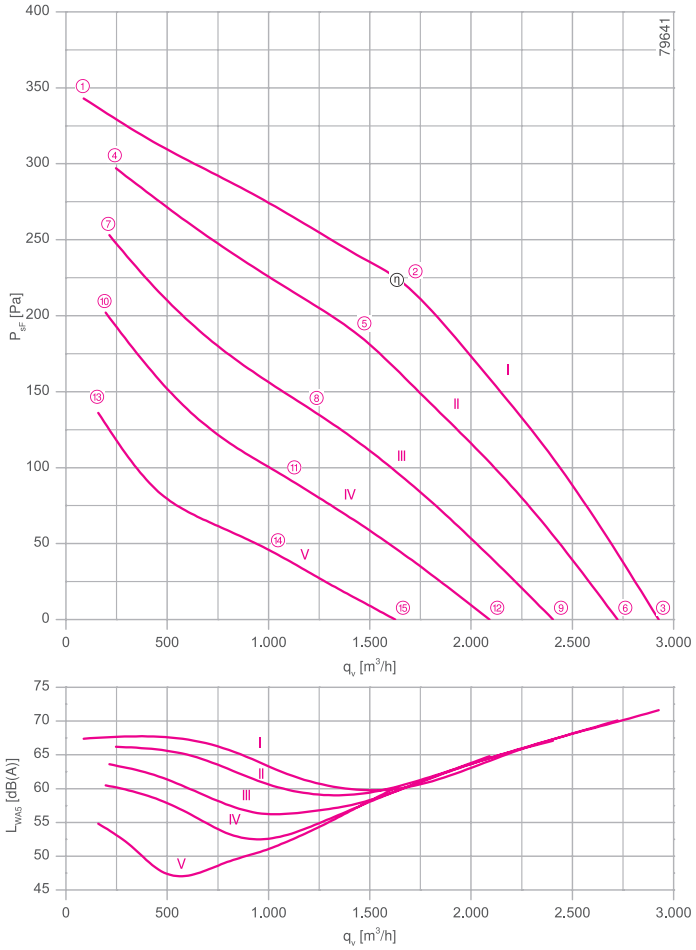
for three phase alternating current, 4 pole

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_{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
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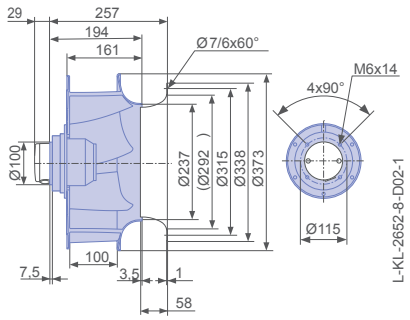
Dimensions [mm]

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



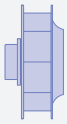
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level L_{WA5} [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

Frequency inverter Fcontrol 3~

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