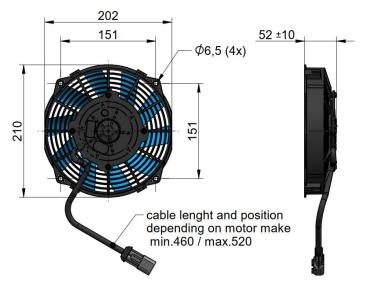
# fan kit LL 04, 12V / 24V DC for oil/air blast coolers LL 04





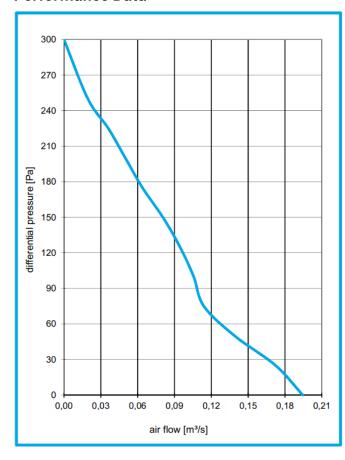


# Technical Data\*)

order number	description	current <sup>**)</sup>	motor power	protection level	weight
		[A]	[W]		[kg]
ILLELE1434A1	fan kit LL 04 12V DC	8	104	IP 68	0,94
ILLELE1434A2	fan kit LL 04 24V DC	4	104	IP 68	0,94

<sup>\*\*)</sup> given data are running currents, free air flow, for start up higher currents have to be calculated!

# **Performance Data**



## ambient conditions

	ambient temperature range	-20°C to +70°C
	storage temperature range	-30°C to +90°C
	Important: Assure sufficient ai	r circulation!
	connection typ	fast-on
supply	J	
	12V DC ± 10%	24V DC ± 10%
	maximum allowed ripple	1%
	Check for right polarity! Inverse the fan!	e polarity may damage

## fuse

The specification of the fuse has to be chosen to suit to the actual used components and applying system parameters.

#### housing

	material	ploymer
access	sories	
	temperature control	ILLZTC12-2K, ILLZTC24-2K

#### content of fan kit

1x fan unit, 4x screws, 4x washer, 1x counter connector

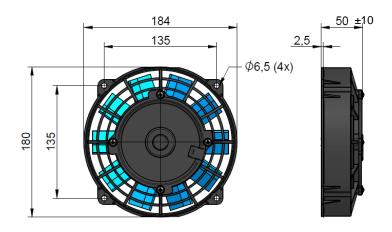
Please contact us for further options and assistance.

This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually, as a assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to ass testing procedures or calculated, based on such tests. They represent a basis for your product selection. Due to different conditions in testing and application environments the performance may also vary by +f. 15%. All sound values are determined in accordance with 1SO 9614-2, DIN EN ISO 11203 accuracy class 3 or Machinery Directive 2006/42/EG and are A-rated. At some of the performance data, possible differences to competition data are possible. The reason to that are no existing standardized testing procedures on individual subjects, e.g., for cooling performance measurements. Therefore, we recommend all products to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN SO 3030-1 (class M-F+C). The tolerances for whole parts are according to TSO 3030-1 (class M-F+C). The tolerances for welding seams are defined by quality group D according to EN ISO 10042; if it is not specified on the actual scale drawing or data sheet. Any for iliability is excluded for the information included in this datasheet. All details and calculation values are checked to the best of our ability. Dut these do not ensure any intrinsic product properties: due to the wide-ranging possible applications, it is advised that all technical

<sup>\*)</sup> all data refer to tests with 13V and 26V DC, respectively

# fan kit LL 02, 12V / 24V DC for oil/air blast coolers LL 02





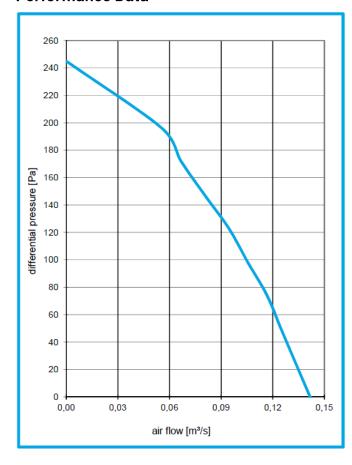


# Technical Data\*)

order number	description	current <sup>**)</sup>	motor power	protection level	weight
		[A]	[W]		[kg]
ILLELE2250A1	fan kit LL 02 12V DC	5,5	72	IP 68	0,8
ILLELE2250A2	fan kit LL 02 24V DC	2,4	63	IP 68	0,8

<sup>\*\*)</sup> given data are running currents, free air flow, for start up higher currents have to be calculated!

## **Performance Data**



## ambient conditions

	ambient temperature range	-20°C to +80°C
	storage temperature range	-30°C to +80°C
	Important: Assure sufficient air	circulation!
	connection typ	fast-on
supply		
	12V DC ± 10%	24V DC ± 10%
,	maximum allowed ripple	1%

Check for right polarity! Inverse polarity may damage

#### fuse

The specification of the fuse has to be chosen to suit to the actual used components and applying system parameters.

housing				
material	polyamide			
accessories				
temperature control	ILLZTC12-2K, ILLZTC24-2K			

# content of fan kit

1x fan unit, 4x screws, 4x screw nuts, 4x washer

Please contact us for further options and assistance.

This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually, as a assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures or calculated, based on such tests. Due to different conditions in testing and application environments the performance may also vary by +/- 15%. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Therefore we recommend all products to be checked under the system operating conditions. This is also true for vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN ISO 2768-vL, General tolerances for casted parts according EN ISO 8062-3 (DCTG 10). Tolerances for rubber parts are according to ISO 3302-1 (class M4-F+C). The tolerances of welding seams are defined by quality group D according to EN ISO 10042, if it is not specified on the actual scale drawing or data sheet. In addition to that we point out that any data sheet and corresponding scale drawing is no substitution for the manual.

DD-ILLELEZ50A2-en-revO

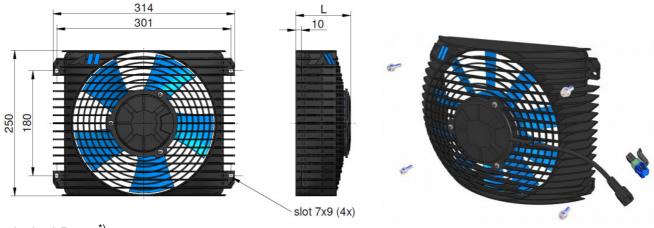
© asa technology, March 2021

<sup>\*)</sup> all data refer to tests with 13V and 26V DC, respectively

# fan kit 0240, 12V / 24V DC

for oil/air blast coolers TT 06, TT 07



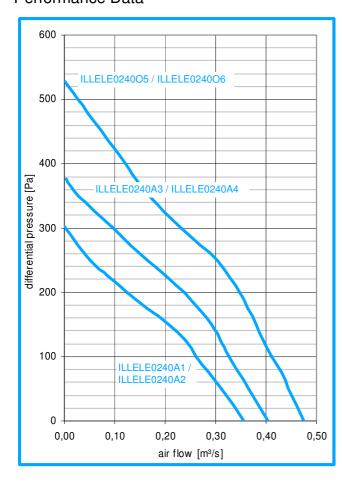


# Technical Data \*)

order number	description	current**)	motor power	protection level	L	weight
		[A]	[kW]		[mm]	[kg]
ILLELE0240A1	fan kit 0240, TT 06, 12V	7,4	0,096	IP 68	93	1,53
ILLELE0240A2	fan kit 0240, TT 06, 24V	3,7	0,096	IP 68	93	1,53
ILLELE0240A3	fan kit 0240, TT 07, 12V	10,4	0,135	IP 68	93	2,03
ILLELE0240A4	fan kit 0240, TT 07, 24V	5,2	0,135	IP 68	93	2,03
ILLELE0240O5	fan kit 0240, TT 07 HP, 12V	16,2	0,211	IP 68	110	2,50
ILLELE0240O6	fan kit 0240, TT 07 HP, 24V	8,1	0,211	IP 68	110	2,50

given data are running currents, for start up 3x higher current has to be calculated!

# Performance Data



	ambient temperature range	-20℃ to +80℃
	storage temperature range	-40℃ to +120℃
	Important: Assure sufficient a	ir circulation!
supply		

12V DC ± 10% 24V DC ± 10% maximum allowed ripple 1%

Check for right polarity! Inverse polarity may damage the fan!

recomi	recommended fuse (slow acting)				
	ILLELE0240A1	10 A			
	ILLELE0240A2	5 A			
	ILLELE0240A3	15 A			
	ILLELE0240A4	7,5 A			
	ILLELE0240O5	20 A			
	ILLELE0240O6	10 A			
housing					

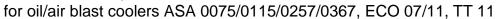
material polyamide accessories temperature control ILLZTC12K, ILLZTC24K content of fan kit

1x fan unit, 4x screws, 4x washer, 1x counter connector \*) all data refer to tests with 13V and 26V DC, respectively

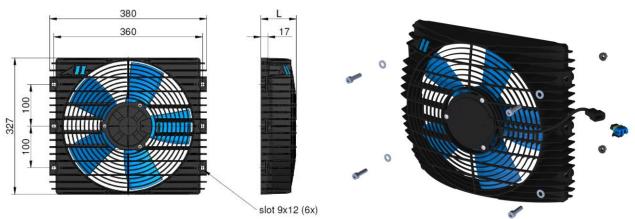
Please contact us for further options and assistance.

This data sheet shows a technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually. The information in this data sheet is intended to be used as a first general guideline only, as assumes no liability for any information therein, any entire misprints, nor any direct or indirect damages, losses or costs resulting therefrom. The cooling performance and the general technical values indicated in this catalogue are measured at a test bench according to as testing procedures. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Due to different conditions in testing and application environments the cooling performance may also vary by +/- 15%. Therefore we recommend all coolers to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors.

# fan kit 0295, 12V / 24V DC





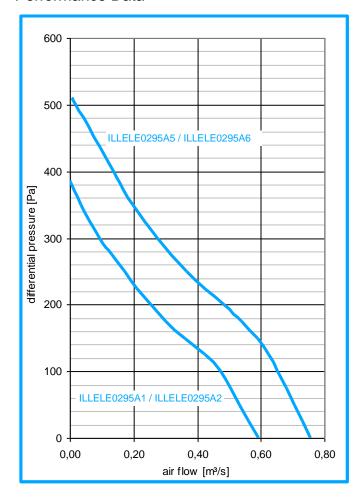


# Technical Data \*)

order number	description	current <sup>**)</sup>	motor power	protection level	L	weight
		[A]	[kW]		[mm]	[kg]
ILLELE0295A1	fan kit 0295, 12V DC	15,4	0,20	IP 68	90	2,95
ILLELE0295A2	fan kit 0295, 24V DC	7,7	0,20	IP 68	90	2,95
ILLELE0295A5	fan kit 0295, HP 12V DC	20,8	0,27	IP 68	110	3,10
ILLELE0295A6	fan kit 0295, HP 24V DC	10,4	0,27	IP 68	110	3,10

<sup>&</sup>quot;) given data are running currents, for start up 3x higher current has to be calculated!

## Performance Data



## ambient conditions

	ambient temperature range	-20°C to +80°C
	storage temperature range	-40°C to +120°C
	Important: Assure sufficient air	circulation!
supply		
	12V DC ± 10%	24V DC ± 10%
	maximum allowed ripple	1%

Check for right polarity! Inverse polarity may damage the fan!

recomi	mended fuse (slow acting)	
	ILLELE0295A1	20 A
	ILLELE0295A2	10 A
	ILLELE0295A5	25 A
	ILLELE0295A6	15 A
housin	g	
	material	polyamide
access	sories	
	temperature control	ILLZTC12K, ILLZTC24K
conten	t of fan kit	
	1x fan unit, 4x screws, 4x screw nuts, 4x washer, 1x counter connector	

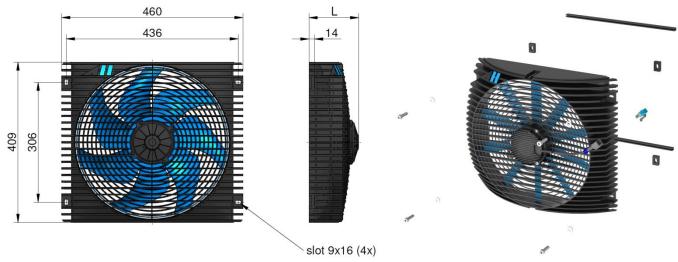
<sup>\*)</sup> all data refer to tests with 13V and 26V DC, respectively

Please contact us for further options and assistance.

This data sheet shows a technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually. The information in this data sheet is intended to be used as a first general guideline only, as assumes no liability for any information therein, any errors, omission misprints, nor any direct or indirect damages, losses or costs resulting therefrom. The cooling performance and the general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Due to different conditions in testing and application environments the cooling performance may also vary by 4/- 15%. Therefore we recommend all coolers to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors.

# fan kit 0385, 12V / 24V DC for oil/air blast coolers ASA 0176/0177/0256/0257, TT 16/25



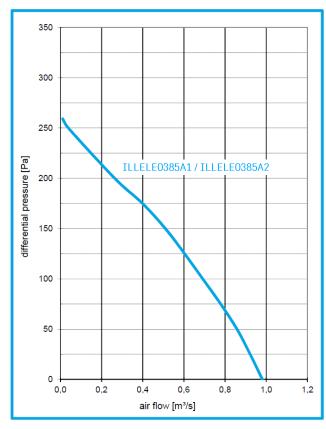


# Technical Data\*)

order number	description	current**)	motor power	protection level	L	weight
		[A]	[kW]		[mm]	[kg]
ILLELE0385A1	fan kit 0385, 12V DC	21,2 ±3	0,242	IP 68	130	4,8
ILLELE0385A2	fan kit 0385, 24V DC	11,4 ±3	0,242	IP 68	130	4,8

<sup>\*\*)</sup> given data are running currents, free air flow, for start up higher currents have to be calculated!

# **Performance Data**



#### ambient conditions

ambient temperature range	-20°C to +80°C	
storage temperature range	-40°C to +120°C	
Important: Assure sufficient air circulation!		

#### supply

y		
	12V DC ± 10%	24V DC ± 10%
	maximum allowed ripple	1%
	Chaple for right polarity! Towar	o o o o lo vitu po ou do po o go

Check for right polarity! Inverse polarity may damage the fan!

## recommended fuse (slow acting)

ILLE	_E0385A1	30 A	
ILLE	_E0385A2	15 A	

#### housing

material	polyamide			
accessories				
temperature control	ILLZTC12K, ILLZTC24K			

# content of fan kit

1x fan unit, 4x screws, 4x screw nuts, 8x washer, 2 sealing profiles, 1x counter connector, 4x distance blocks

Please contact us for further options and assistance.

This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually, as a assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to as a testing procedures. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Due to different conditions in testing and application environments the cooling performance may also vary by +15%. Therefore we recommend all products to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN ISO 2768+v. General tolerances for casted parts according EN ISO 8062-3 (DCTG 10). Tolerances for rubber parts are according to ISO 3302-1 (class M4-F+C)... The tolerances of vielding seams are defined by quality group D according to EN ISO 10042, if it is not specified on the actual scale drawing or data sheet. In addition to that we point out that any data sheet and corresponding scale drawing is no substitution for the manual.

DD-ILLELEGOSS5A1-A2-en-rev2

© asa hydraulik, August 2018

<sup>\*)</sup> all data refer to tests with 13V and 26V DC, respectively