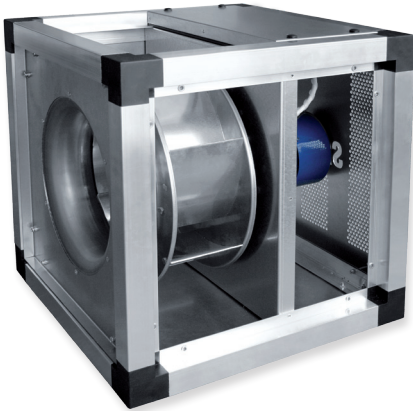


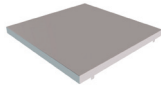
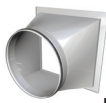
KUB T120

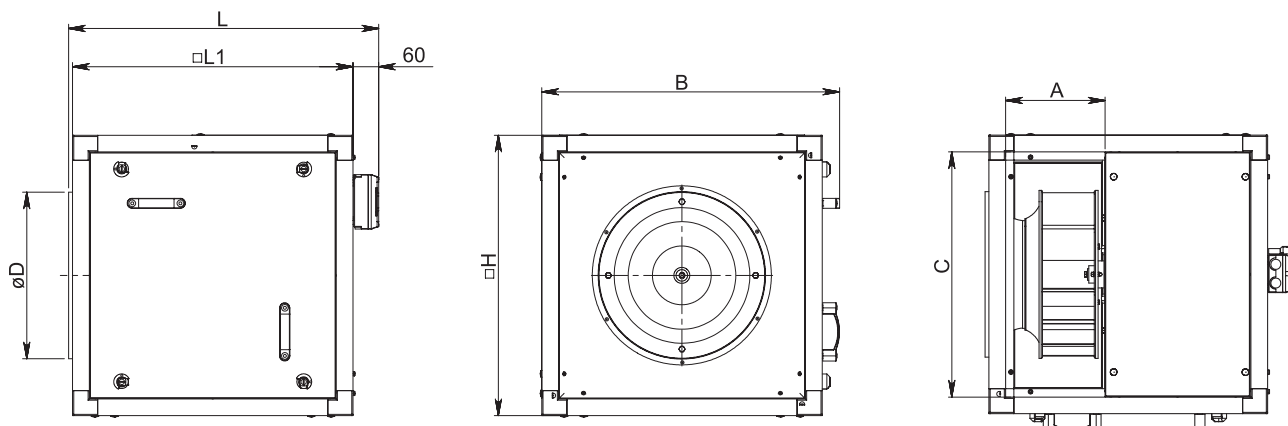


Features	› 6 sizes; › Airflow up to 15100 m³/h; › Backward-curved galvanized steel impeller; › Motor protection with built-in thermal contact; › Max air stream temperature - 120°C; › Easily serviceable; › Cost-effective.
Power supply	400V/50Hz/3f.
Temperature range	From -40°C up to 40°C.
Sizes	355-4L3, 400-4L3, 450-4-L3, 500-4L3, 560-4L3, 630-4L3.
Construction	› Casing: aluminium frame, galvanized steel panels; › Acoustic and thermal wall insulation – 20mm; › Easily removable grease tray; › Galvanized steel roofing; › On/Off safety switch (optional); › Fan: centrifugal impeller and external rotor motor; › Motor protection with built-in thermal contact; › Motor protection class: IP55.
Installation	› Can be installed outdoors. › Mounting position: flexible.
Speed control options	› Voltage controlled speed controller; › Frequency inverters.

KUB	T120	355	4	L3	
					Phase
					Number of motor axles
					Nominal impeller diameter
					Max. airstream temperature
					Product name

Accessories

Roof	Three phase speed controller	Frequency inverter	Flange - adapter	0-10V speed controller	Main switch
					
Top p. 197	TGRT p. 127	FI p. 129	PR p. 192	MTP010 * p. 128	Main switch p. 164



Type	Dimensions [mm]						
	øD	L	□ L1	□ H	A	B	C
KUB T120 355	355	570	500	500	225	540	420
KUB T120 400	400	740	670	670	240	712	590
KUB T120 450	450	740	670	670	275	712	590
KUB T120 500	500	740	670	670	310	712	590
KUB T120 560	560	870	800	800	355	840	720
KUB T120 630	630	940	865	865	385	905	785

Type	Accessories				
	Stouch* MTP010* S-1141**	TGRT	Mains		PR
			220-240V, 1-phase input, 3-phase output	380-480V, 3-phase input, 3-phase output	
KUB T120 355-4L3	+	2	ODE-3-120023-1F12	ODE-3-140022-3F12	420x420-355
KUB T120 400-4L3	+	2	ODE-3-120043-1F12	ODE-3-140022-3F12	590x590-400
KUB T120 450-4L3*	+	-	ODE-3-120070-1F12	ODE-3-140041-3F12	590x590-450
KUB T120 500-4L3*	+	-	ODE-3-120070-1F12	ODE-3-140041-3F12	590x590-500
KUB T120 560-4L3*	+	-	-	ODE-3-240095-3F42	695x695-560
KUB T120 630-4L3*	+	-	-	ODE-3-340140-3F42	790x790-630

* Speed is controlled only with the frequency inverter. Motors standard IE2.

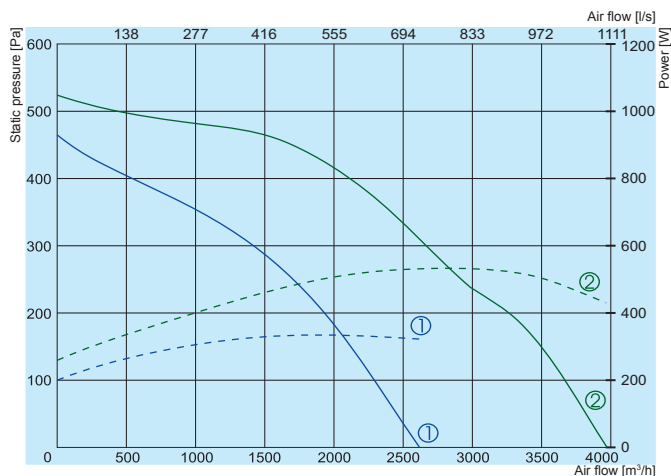
When frequency inverter is used for speed control, the shielded cable must be used for power supply.

Controller	SPS differential pressure transmitter	Rectangular duct silencer	Damper for rectangular ducts	Flexible connection
				
Stouch* p. 130	S-1141** p. 161	SKS p. 173	SSK p. 180	LJ/PG p. 191

* Can be used only with frequency inverters FI

** Pressure transducer S-1141 is supported only with the remote controller Stouch

KUB T120



① KUB T120 355-4L3

② KUB T120 400-4L3

— Performance
- - - Power consumption

		355-4L3	400-4L3
Voltage/Frequency	[V/Hz]	~3,400/50	~3,400/50
Power consumption	[kW]	0,35	0,54
Current	[A]	1,06	1,38
Speed	[min ⁻¹]	1340	1390
Max. airflow	[m³/h]	2619	3976
Min/Max ambient air temperature	[°C]	-40/+40	-40/+40
Weight	[kg]	33	55
Wiring diagram		No. 1/2	No. 1/2
Protection class:	motor	IP-55	IP-55
Comply with ERP 2018		*	*

The provided technical data is by using #1 el. connection scheme. Using #3 el. connection scheme, technical data will be different.

*Fans for transportation of gases hotter than 100 °C are not subject to ErP regulations.

355-4L3

	dB(A)	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	68	56	62	64	60	59	56	47
Outlet	71	59	62	67	65	61	56	49
Surrounding	55	43	48	52	47	43	40	36

Measured at 2241 m³/h, 120 Pa

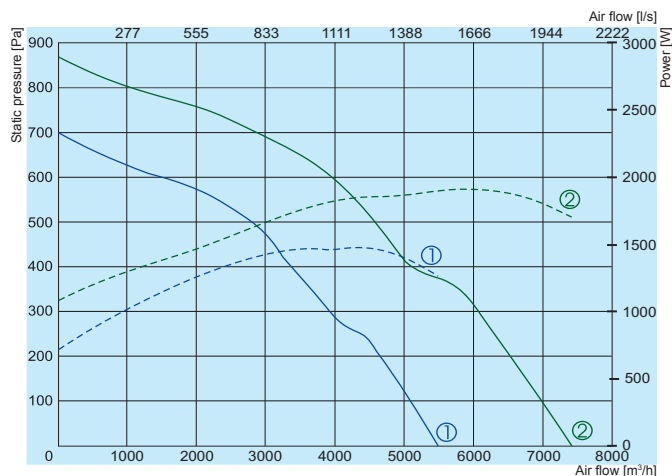
400-4L3

400-4L3	Lwa total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	72	61	65	67	66	63	57	52
Outlet	76	63	66	74	68	65	60	54
Surrounding	59	47	54	55	52	49	43	37

Measured at 3583 m³/h, 120 Pa

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

The company reserves the right to make changes of technical data without prior notice



① **KUB T120 450-4L3**
② **KUB T120 500-4L3**

— Performance
- - - Power consumption

		450-4L3	500-4L3
Voltage/Frequency	[V/Hz]	~3,400/50	~3,400/50
Power consumption	[kW]	0,92	1,44
Current	[A]	2,13	3,08
Speed	[min ⁻¹]	1430	1430
Max. airflow	[m ³ /h]	5645	7404
Min/Max ambient air temperature	[°C]	-40/+40	-40/+40
Weight	[kg]	62	66
Wiring diagram		No. 1	No. 1/2
Protection class:	motor	IP-55	IP-55
Comply with ERP 2018		*	*

The provided technical data is by using #1 el. connection scheme. Using #3 el. connection scheme, technical data will be different.

*Fans for transportation of gases hotter than 100 °C are not subject to ErP regulations.

450-4L3

	Lwa total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	76	65	70	72	69	67	61	55
Outlet	78	66	71	73	70	69	66	58
Surrounding	62	51	57	58	54	51	47	41

Measured at 5277 m³/h, 99 Pa

500-4L3

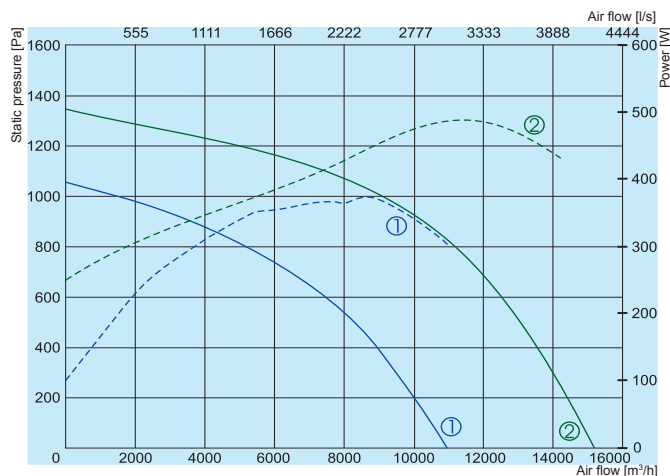
	Lwa total, dB(A)	Lwa, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Inlet	79	70	72	75	73	69	64	60
Outlet	81	73	73	76	75	72	65	63
Surrounding	65	56	58	60	58	54	47	45

Measured at 6881 m³/h, 122 Pa

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

The company reserves the right to make changes of technical data without prior notice

KUB T120



① **KUB T120 560-4L3**
 ② **KUB T120 630-4L3**

— Performance
 - - - Power consumption

		560-4L3	630-4L3
Voltage/Frequency	[V/Hz]	~3,400/50	~3,400/50
Power consumption	[kW]	2,5	4,88
Current	[A]	5,04	8,9
Speed	[min ⁻¹]	1440	1450
Max. airflow	[m³/h]	10942	15100
Min/Max ambient air temperature	[°C]	-40/+40	-40/+40
Weight	[kg]	98	134
Wiring diagram		No. 1/2	No. 3
Protection class:	motor	IP-55	IP-55
Comply with ERP 2018		*	*

The provided technical data is by using #1/3 el. connection scheme. Using #3/1 el. connection scheme, technical data will be different.

*Fans for transportation of gases hotter than 100 °C are not subject to ErP regulations.

560-4L3

Inlet
 Outlet
 Surrounding

Measured at 10307 m³/h, 145 Pa

630-4L3

Inlet
 Outlet
 Surrounding

Measured at 14159 m³/h, 239 Pa

Lwa total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
85	74	78	80	79	76	61	64
87	76	80	82	81	78	74	66
71	60	65	66	64	60	51	49

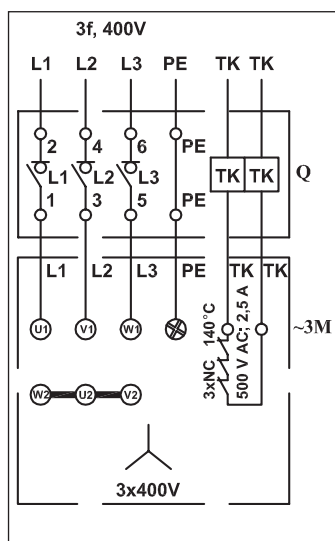
h, 145 Pa

Lwa total, dB(A)	Lwa, dB(A)						
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
91	80	85	86	84	81	67	65
94	82	87	90	87	84	78	73
78	68	72	73	70	65	59	55

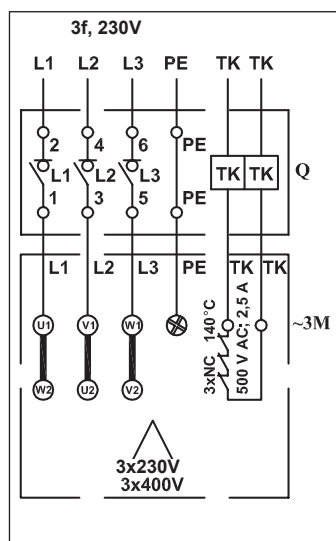
The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

The company reserves the right to make changes of technical data without prior notice

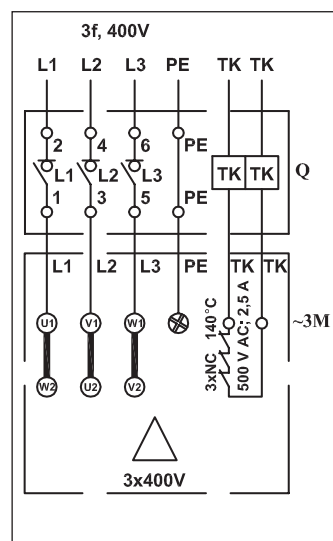
Wiring diagram No. 1*



Wiring diagram No 2*



Wiring diagram No. 3*



* Fans must be connected with frequency converters (if used) with screened cable complying EMC standards.