

ALAN-N

REEL EXTRACTORS



ALAN-U/C-12-N



APPLICATION

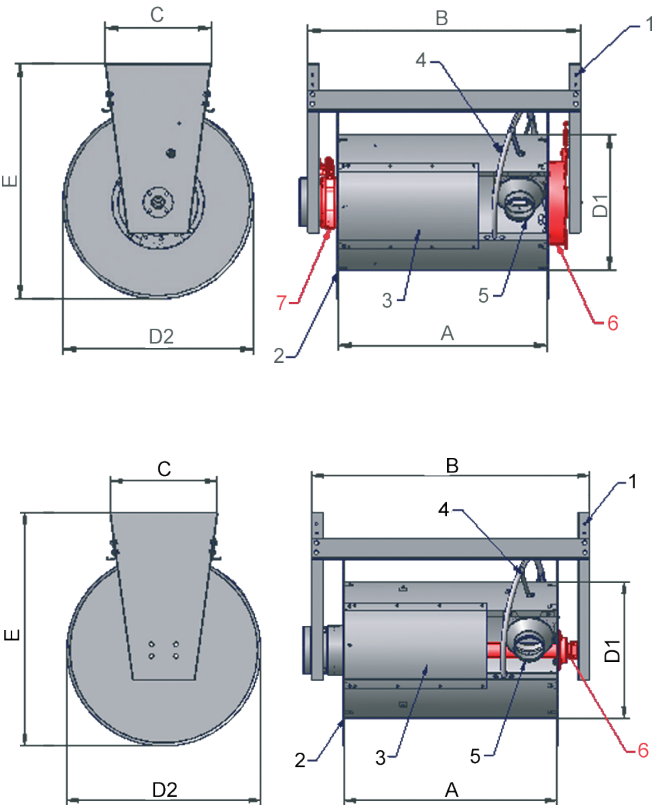
- removal of exhaust gas emitted by vehicles, at stationary service places, during the engine tests, adjustments and diagnostics
- for cars, medium-size vehicles, trucks, buses and motorbikes
- Automotive Service Stations, authorized service units, workshops, depots and automotive factories

FEATURES

- steel frame provides installing possibilities under the ceiling or wall mounting by means of additional L860 bracket
- hose reel with spring- or electric drive, for hose winding up
- spring driven reel is equipped with ratchet-gear and a band brake
- electric reel includes a slow-rotation tubular gear motor
- exhaust hose of diameters: 100, 125 or 150 mm and lengths 8 m or 12 m, ended with a nozzle
- cooperation with medium-pressure fans type FA, installed directly to the reel, or working with a series of fans type WPA-N
- option: automatic cut-off damper

ADVANTAGES

- simple and ergonomic use
- compact construction
- ratchet gear – providing the hose blocking in a requested operational position
- wide range of hoses, of various diameters, lengths and thermal resistances
- hose of length up to 12 metres gives possibility of reaching the serviced vehicle within the wide work surface in the service station, or installing the extractor at a significant height
- simple, convenient and fast installing under the ceiling or at a wall
- possibility of implementation with a KOS-L self-tightening suction duct, as a mobile version





Spring drive		
Dimension	U/C-8-N	U/C-12-N
A	775	1000
B	1000	1225
C	355	355
D1	450	450
D2	645	645
E	780	780

- 1. Frame
- 2. Reel
- 3. Reel cover
- 4. Spiral
- 5. Connection fitting piece
- 6. Spring mechanism
- 7. Band brake

Electric drive		
Dimension	U/E-8-N	U/E-12-N
A	775	1000
B	1000	1225
C	355	355
D1	450	450
D2	645	645
E	780	780

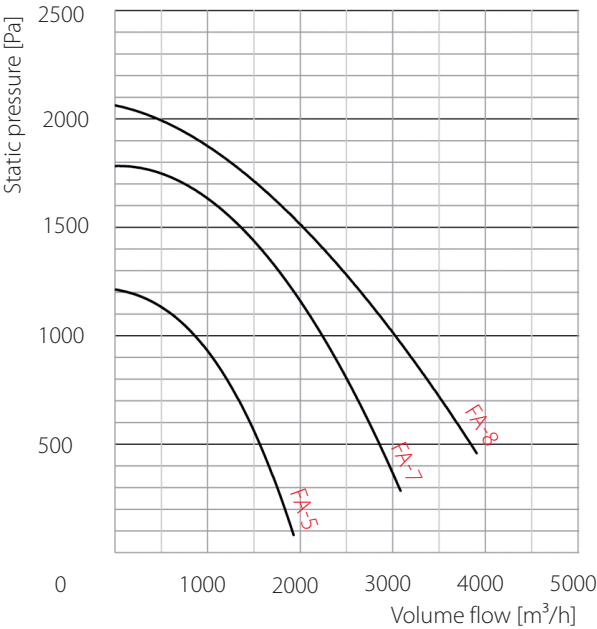
- 1. Frame
- 2. Reel
- 3. Reel cover
- 4. Spiral
- 5. Connection fitting piece
- 6. Tubular gear motor

TECHNICAL DATA


 	Type ¹	Equipped with a cut-off damper	Part No.	Maximum torque [Nm]	Maximum hose length [m]	Hose	Fan	Device weight ² [kg]
	ALAN-U/C-8-N	no	805O70	50	8	Each reel is adapted for fastening the hose of diameter: Ø100 mm, Ø125 mm or Ø150 mm.	The fan should be selected according to the hose diameter (see Table HOSE SETS).	51
	ALAN/P-U/C-8-N	yes	805O72					42
	ALAN-U/E-8-N	no	805O82					61
	ALAN/P-U/E-8-N	yes	805O88					
	ALAN-U/C-12-N	no	805O71	50	12			
	ALAN/P-U/C-12-N	yes	805O73	50				
	ALAN-U/E-12-N	no	805O83	80				
	ALAN/P-U/E-12-N	yes	805O89	80				

1. For selection of the suitable extractor size, contact KLIMAWENT S.A.
2. Values are specified for the reel extractor without the weight of the hose.

FLOW CHARTS




FANS FOR REEL EXTRACTORS FOR DIRECT INSTALLATION AT THE REEL

	Type	Part No.	Supply voltage [V]; 50 Hz	Diameter: inlet/outlet [mm]	Motor rate [kW]	Acoustic pressure level [dB(A)] ¹	Weight [kg]
	FA-5-1	804W72	230	160/160	0,37	55	17
	FA-5-3	804W73	3x400	160/160	0,37	55	17
	FA-7-1	804W74	230	160/200	1,1	72	24
	FA-7-3	804W75	3x400	160/200	1,1	72	24
	FA-8-3	804W76	3x400	160/200	1,5	74	31

1. Noise measurement was taken from 5 metres distance.


Other fans: flange fans WPA-E-N or roof fans WPA-D-N — see Section FANS.

RUBBER STOPPER

	Type	Part No.	Internal diameter [mm]
	ZO-100	804K40	100
	ZO-125	804K41	125
	ZO-150	804K42	150


Used for spring driven reels, installed on the hose.

WALL BRACKET

	Type	Part No.	Length [mm]	Weight of the set [kg]
	L860	817W33	950	12

A set adapted for installing at a wall or a column.

HOSE SETS

	Type	Part No.	Hose diameter [mm]	Weight [kg]	Hose length [m]	Recommended volume flow [m³/h]	Flow resistances ¹ [Pa]	Thermal resistance [°C]	Application ⁴	Cooperating fans
	ZW-8/100	828P64	100	5,2	8	400	1100	150 ²	SO	FA-5, WPA-5-E-N, WPA-5-D-N
	ZW-8/100/CF	828P51	100	5,2	8	400	1100	300/150 ³	SO	
	ZW-8/125	828P65	125	6,4	8	700	1200	150 ²	SD	FA-5, WPA-5-E-N, WPA-5-D-N
	ZW-8/125/CF	828P52	125	6,4	8	700	1200	300/150 ³	SD	
	ZW-8/150	828P66	150	7,6	8	1500	1500	150 ²	SC	FA-7, WPA-7-E-N, WPA-7-D-N
	ZW-8/150/CF	828P53	150	7,6	8	1500	1500	300/150 ³	SC	
	ZW-12/100	828P67	100	7,8	12	400	1500	150 ²	SO	FA-5, WPA-5-E-N, WPA-5-D-N
	ZW-12/100/CF	828P54	100	7,8	12	400	1500	300/150 ³	SO	
	ZW-12/125	828P68	125	9,5	12	700	1600	150 ²	SD	FA-7, WPA-7-E-N, WPA-7-D-N
	ZW-12/125/CF	828P55	125	9,5	12	700	1600	300/150 ³	SD	
	ZW-12/150	828P69	150	14,8	12	1500	2000	150 ²	SC	FA-8, WPA-8-E-N, WPA-8-D-N
	ZW-12/150/CF	828P56	150	14,4	12	1500	2000	300/150 ³	SC	

1. Flow resistances are measured for the hose, wound up onto the reel.


2. Thermal resistance of the hose: +150°C (for short time +200°C).

3. Hose section of length 2 metres (near the nozzle) is of thermal resistance +300°C (for short time +350°C); the further hose section — thermal resistance: +150°C (for short time +200°C).

4. SO – cars; SD – medium size vehicles; SC – trucks.

CONTROL UNITS FOR THE ELECTRIC DRIVEN REEL EXTRACTORS TYPE E

ZE-ALAN control unit — to be installed on a garage wall or in another room, as requested by User. The unit provides possibility of switching ON/OFF of the fan (with motor protective switch) and hose winding UP and DOWN from the reel, using the buttons. Depending on the motor rate, the control unit is equipped with a selected motor switch. Features: short-circuit- and thermal protection. Additionally the unit provides protection against the accidental blocked start-up effects, overload, non-complete phase work in case of three-phase motors.

	Type	Part No.	Supply voltage [V]; 50 Hz	Motor rate [kW]	Current range [A]	Cooperating fans
	ZE-ALAN-U/E-6,3-1	816Z31	230	0,55	4,0–6,3	FA-5-1, WPA-5-D-1-N, WPA-5-E-1-N
	ZE-ALAN-U/E-1,6-3	816Z32	3x400	0,55	1,0–1,6	FA-5-3, WPA-5-D-3-N, WPA-5-E-3-N
	ZE-ALAN-U/E-10-1	816Z33	230	1,1	6,3–10	FA-7-1, WPA-7-D-1-N, WPA-7-E-1-N
	ZE-ALAN-U/E-4-3	816Z34	3x400	1,1 i 1,5	2,5–4,0	FA-7-3, FA-8-3, WPA-7-D-3-N, WPA-8-D-3-N, WPA-7-E-3-N, WPA-8-E-3-N

NOZZLES

Nozzles and suction stands, cooperating with the reel extractors – see separate catalogue card as they are additional equipment.