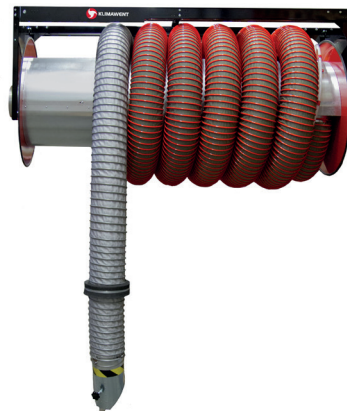


ALAN-HD-N

REEL EXTRACTORS



APPLICATION

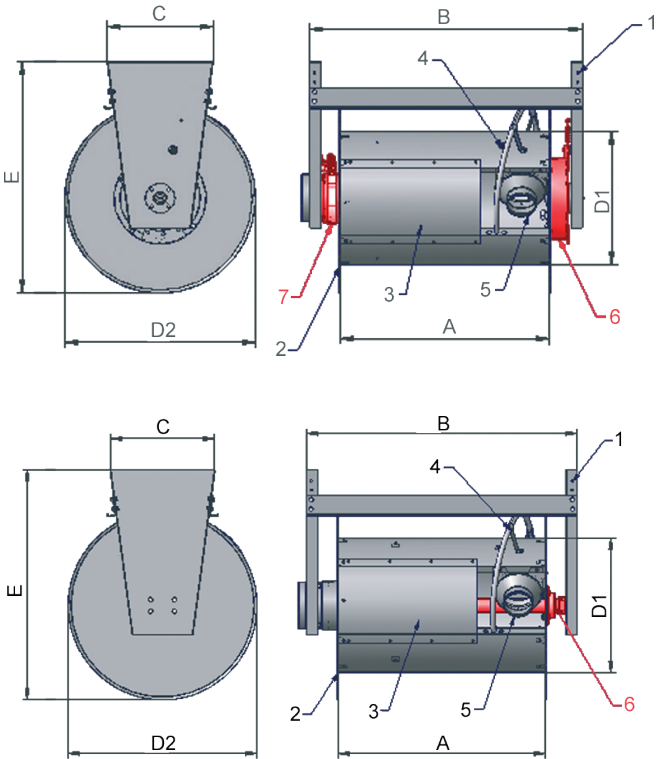
- extraction of exhaust gas volume emitted by vehicles, at stationary service stations, during the engine tests, adjustments and diagnostics
- especially applicable special vehicles, building construction machines, trucks with engines of extraordinarily high cubic capacity or engines which are submitted to overload tests
- in workshops, automotive service stations and automotive factories

FEATURES

- steel frame provides installing possibilities under the ceiling or wall mounting by means of an 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: 200 mm and lengths 8 m, 10 m, 12 m, 15 m or 22 m, ended with a nozzle
- cooperation with medium-pressure fans type FA/HD, installed directly to the reel, or working with a series of fans type WPA-N

ADVANTAGES

- simple and ergonomic use
- compact construction
- ratchet gear – providing the hose blocking in a requested operational position
- wide range of exhaust hoses, of various diameters, lengths and thermal resistances
- exhaust hose of length up to 22 metres gives possibility of reaching the serviced vehicle within the wide work surface within the service station, or installing the extractor at a significant height
- installing possibilities: under the ceiling or at a wall



Spring drive		
Dimension	U/C-8-HD-N	U/C-12-HD-N
A	775	1200
B	1000	1465
C	455	455
D1	550	550
D2	820	820
E	965	965
1. Frame 2. Reel 3. Reel cover 4. Spiral 5. Connection fitting piece 6. Spring mechanism 7. Band brake		

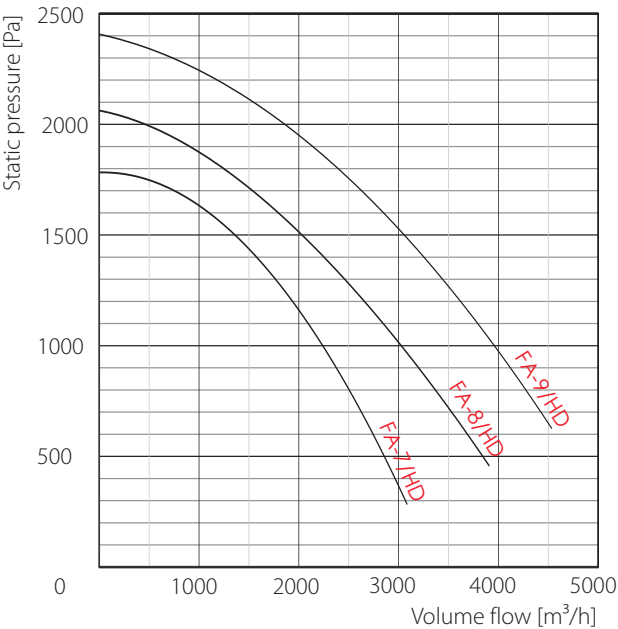
Electric drive			
Dimension	U/E-10-HD-N	U/E-15-HD-N	U/E-22-HD-N
A	1000	1200	2000
B	1225	1425	2240
C	455	455	455
D1	550	550	550
D2	820	820	820
E	965	965	965
1. Frame 2. Reel 3. Reel cover 4. Spiral 5. Connection fitting piece 6. Tubular gear motor			

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/HD-N	no	805O74	50	8	Each reel is adapted for fastening the hose of diameter: Ø200 mm.	The fan should be selected according to the hose diameter (see Table HOSE SETS).	68
	ALAN-U/C-12-HD-N	no	805O75	100	12			90
	ALAN-U/E-10-HD-N	no	805O85	80	10			65
	ALAN-U/E-15-HD-N	no	805O86	100	15			69
	ALAN-U/E-22-HD-N	no	805O87	120	22			95

1. For selection of the suitable reel 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-7-1/HD	804W77	230	200/200	1,1	72	24
	FA-7-3/HD	804W78	3x400	200/200	1,1	72	24
	FA-8-3/HD	804W79	3x400	200/200	1,5	74	31
	FA-9-3/HD	804W80	3x400	200/200	2,2	77	38

1. Noise measurement was taken from 5 metres distance.

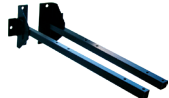
Other fans: flange fans WPA-E-N, roof fans WPA-D-N – see Section FANS.

RUBBER STOPPER

	Type	Part No.	Internal diameter [mm]
	ZO-200	804K39	200


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]	Odporność termiczna [°C]	Cooperating fans
	ZW-8/200	828P80	200	10,4	8	2000	1000	150 ²	FA-7/HD, WPA-7-E-N, WPA-7-D-N
	ZW-10/200	828P81	200	12,8	10	2000	1200	150 ²	FA-7/HD, WPA-7-E-N, WPA-7-D-N
	ZW-12/200	828P82	200	15,3	12	2000	1500	150 ²	FA-8/HD, WPA-8-E-N, WPA-8-D-N
	ZW-15/200	828P83	200	19	15	2000	1900	150 ²	FA-9/HD, WPA-9-E-N, WPA-9-D-N ³
	ZW-22/200	828P84	200	28,1	22	2000	2100	150 ²	WPA-10-E-N, WPA-10-D-N ³


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. For performances of the fans – see Section FANS.

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-10-1	816Z33	230	1,1	6,3–10	FA-7-1/HD, 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/HD, FA-8-3/HD, WPA-7-D-3-N, WPA-8-D-3-N, WPA-7-E-3-N, WPA-8-E-3-N
	ZE-ALAN-U/E-6-3-3	816Z35	3x400	2,2	4–6,3	FA-9-3/HD, WPA-9-E-N, WPA-9-D-N
	ZE-ALAN-U/E-10-3	816Z38	3x400	3,0	6,3–10	WPA-10-E-N, WPA-10-D-N

NOZZLES

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