

COMFORTABLE
LIVING
**COMFORTABLE LIVING,
SECURE FUTURE.**
SECURE
FUTURE.



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OUR SOLUTIONS



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ABOUT US



Avrasya offers a wide range of solutions for passenger and freight elevators, as well as accessibility systems. From hydraulic elevator systems to complete drive and control solutions, we provide project-specific and high-security products.

In Turkey, we serve as the distributor for leading European and American brands, including **Start Elevator, Cegi, Lehner Lifttechnik GmbH, Liftup A/S, and Attainment Company.**

All our products are manufactured and installed in full compliance with EN 81 standards and high-quality production norms. To guarantee superior reliability, we prioritize components of German, Italian, and Spanish origin, while enriching our product portfolio with Turkish-made component manufacturing and services.

Guided by the principle of **"Comfortable Living, Secure Future"** we design all our elevator and accessibility systems with a focus not only on safety, but also on comfort and energy efficiency.

HYDRAULIC COMPONENTS FOR ELEVATORS

As **Avrasya**, we supply high-quality hydraulic components for elevators as the official distributor of **Start Elevator** in Turkey. Our strength in custom-engineered systems and specific installations, combined with our standard production expertise ranging from 100 kg to 20 tons, allows us to offer reliable and efficient solutions tailored to project requirements.

Manufacturing hydraulic units for elevators and lifting platforms since 1967, **Start Elevator** brings nearly 60 years of experience to the industry. By designing and manufacturing core components in-house, continuously investing in technology, and working with highly specialized personnel, the brand stands as a powerful representative of Italian engineering and **100% Italian quality.**

Through this partnership, **Avrasya** brings these high standards directly to the Turkish market, ensuring rapid supply and reliable service.





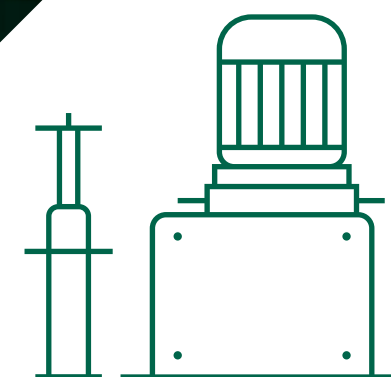
CONTROL
THE POWER,
RISE WITH
CONFIDENCE.

HYDRAULIC ELEVATOR SYSTEMS

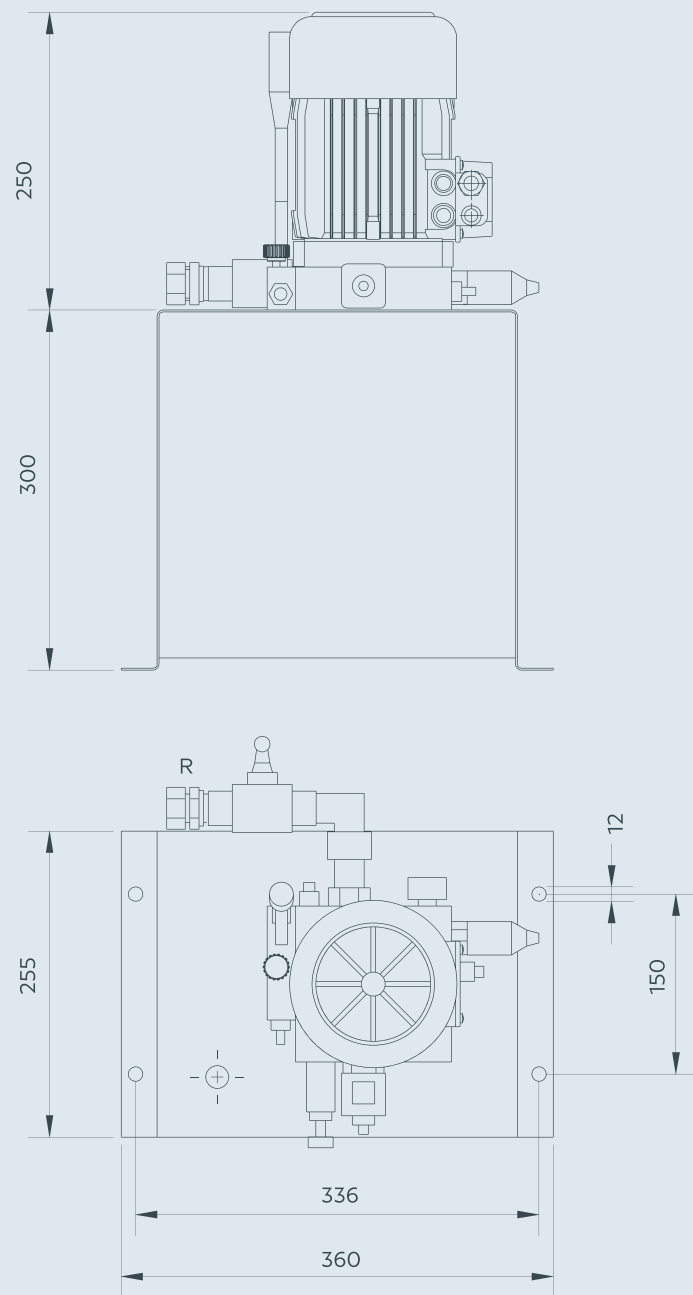
Hydraulic components are the essential elements that ensure elevator systems operate safely, smoothly, and efficiently. Power units, pistons, valve blocks, and auxiliary equipment play a critical role in overall system performance by offering precise motion control and a long service life.

Hydraulic solutions offered by Avrasya stand out for their superior quality standards, durability, energy efficiency, and full system compatibility. Designed to meet a wide range of capacities and diverse project requirements, our products ensure maximum efficiency and reliability in both new installations and modernization projects.

Discover high-performance hydraulic solutions designed to add value to your systems.



UP-DOWN



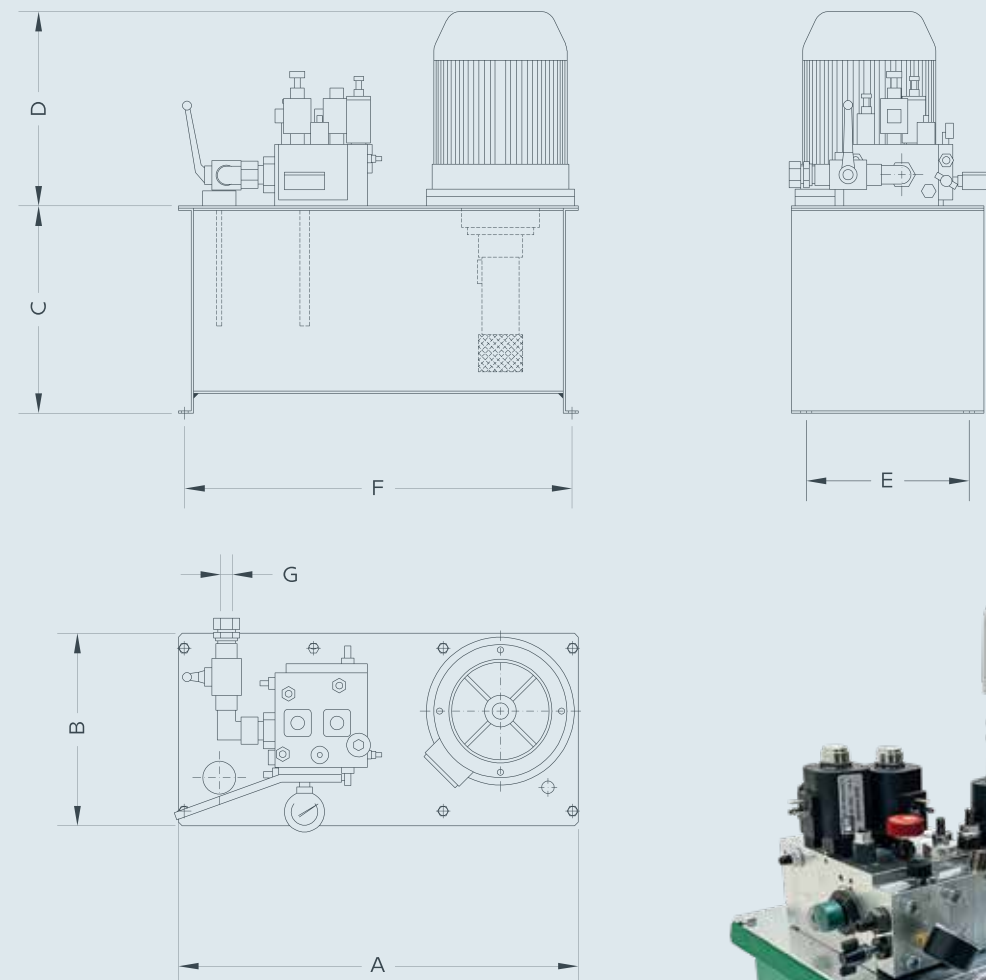
Dimensions: mm

Compatible Valve
21U → Page 12



Tank Type	Pump Type (L/min)	Connection (Gas - mm)	
		R	
Up-Down	6, 8, 12, 16	G 3/8 - G 1/2	22

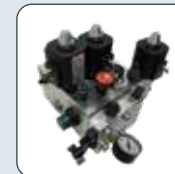
AIR MOTOR



Compatible Valves
21U → Page 12



21E → Page 13



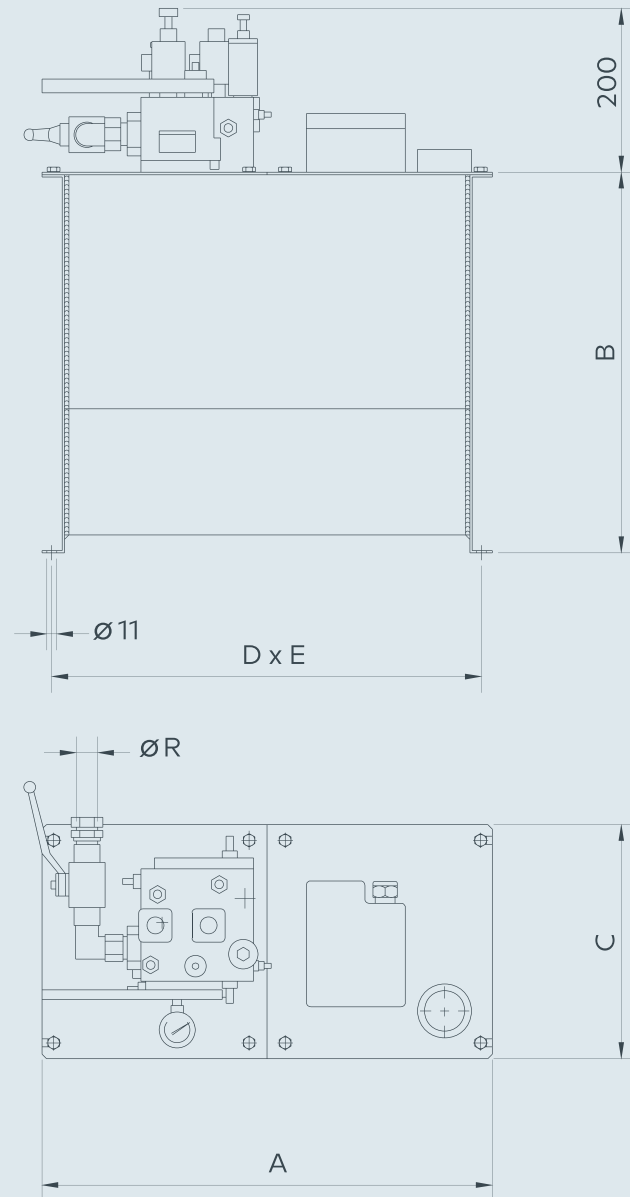
Dimensions: mm



Tank Type	Flow Rate Range (L/min)	Outlet (Gas)	Outlet (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
		G	G						
98/01SL	8 - 35	3/8" -1"	22 - 28	540	260	280	295	220	523
90/01	8 - 35	3/8" -1"	22 - 28	450	315	280	295	275	426
96/SL	8 - 35	3/8" -1"	22 - 28	570	355	363	310	315	466
01/00	8 - 35	3/8" -1"	22 - 28	720	415	403	330	375	690

SUBMERSIBLE MOTOR

HSL

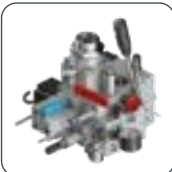


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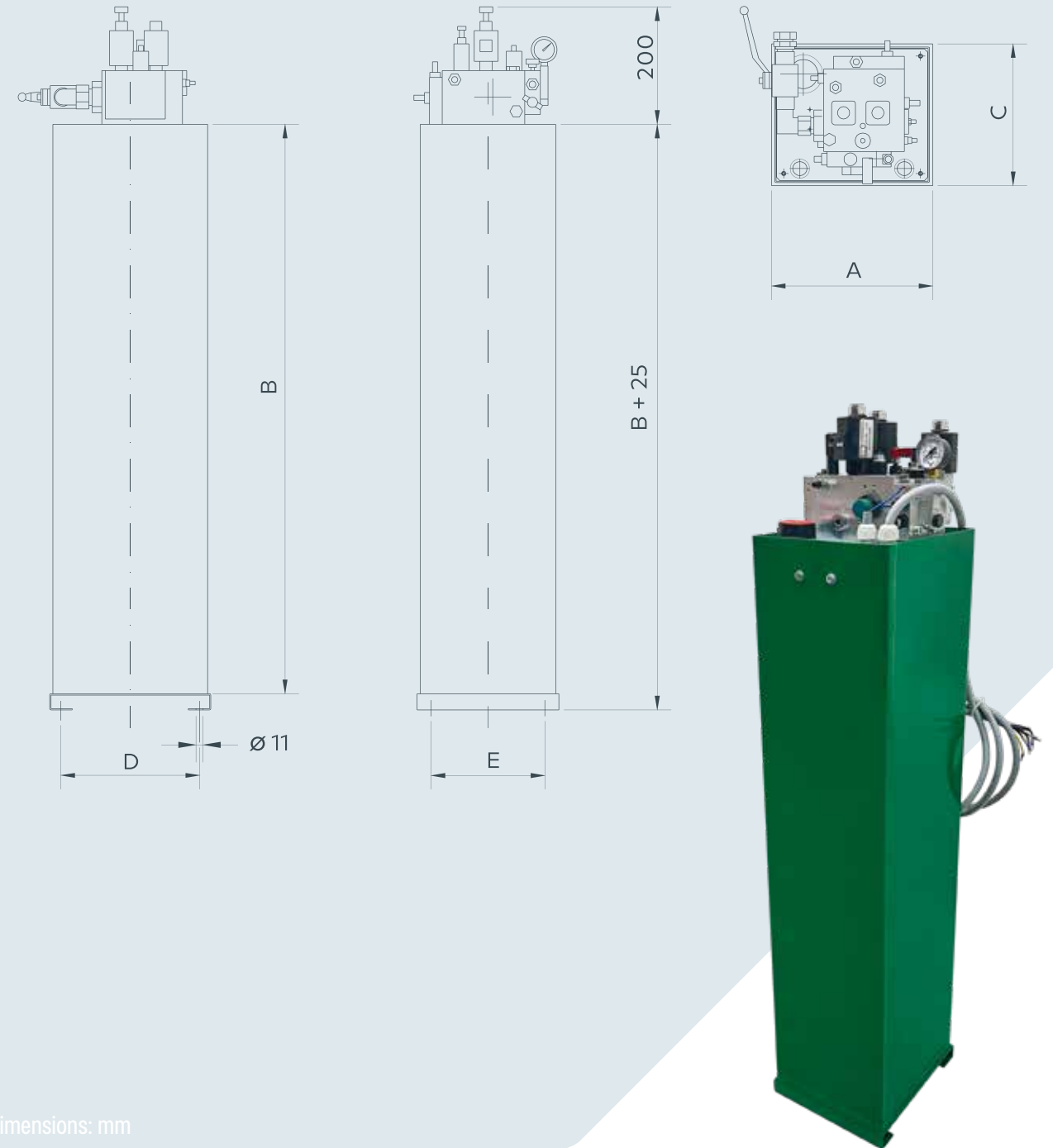
Compatible Valves
21E → Page 13



HSe100 → Page 19



Tank Type	Pump Type (L/min)	Connection	Dimensions (mm)				
		R	A	B	C	D	E
03/01	8, 12, 16, 25	G 1/2 - G 3/4 G 3/4	520	443	260	495	220
03/02	34 - 40	G 3/4	600	443	320	575	280



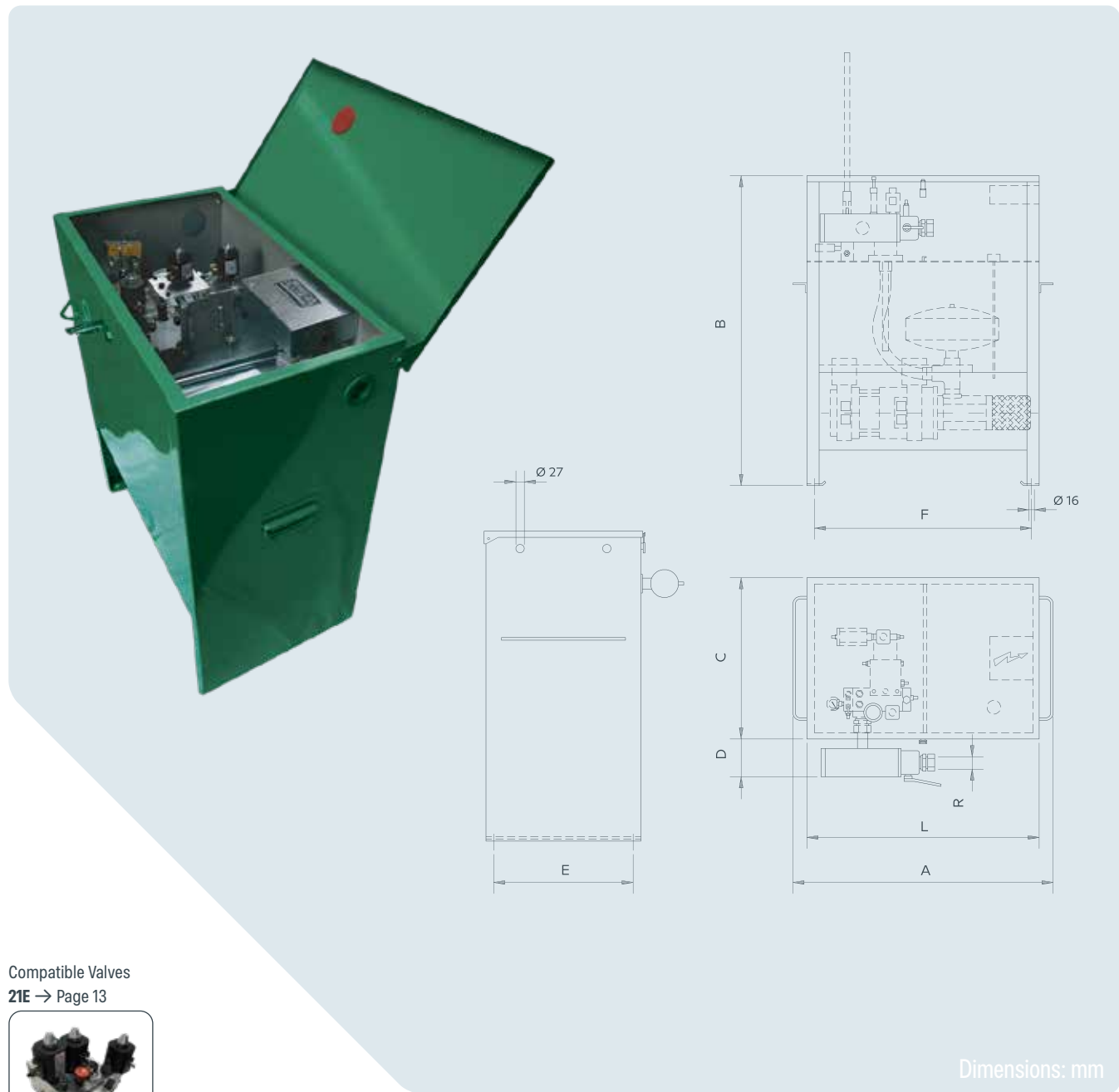
Dimensions: mm



Tank Type	Pump Type (L/min)	Connection	Dimensions (mm)				
		R	A	B	C	D	E
HSL/01	8, 12, 16, 25, 30	G 1/2 - G 3/4 - 22 G 3/4 - 22	250	900	220	215	176
HSL/02	8, 12, 16, 25, 30	G 1/2 - G 3/4 - 22 G 3/4 - 22	250	1200	220	215	176

Compatible Valve
21E → Page 13





Compatible Valves
21E → Page 13



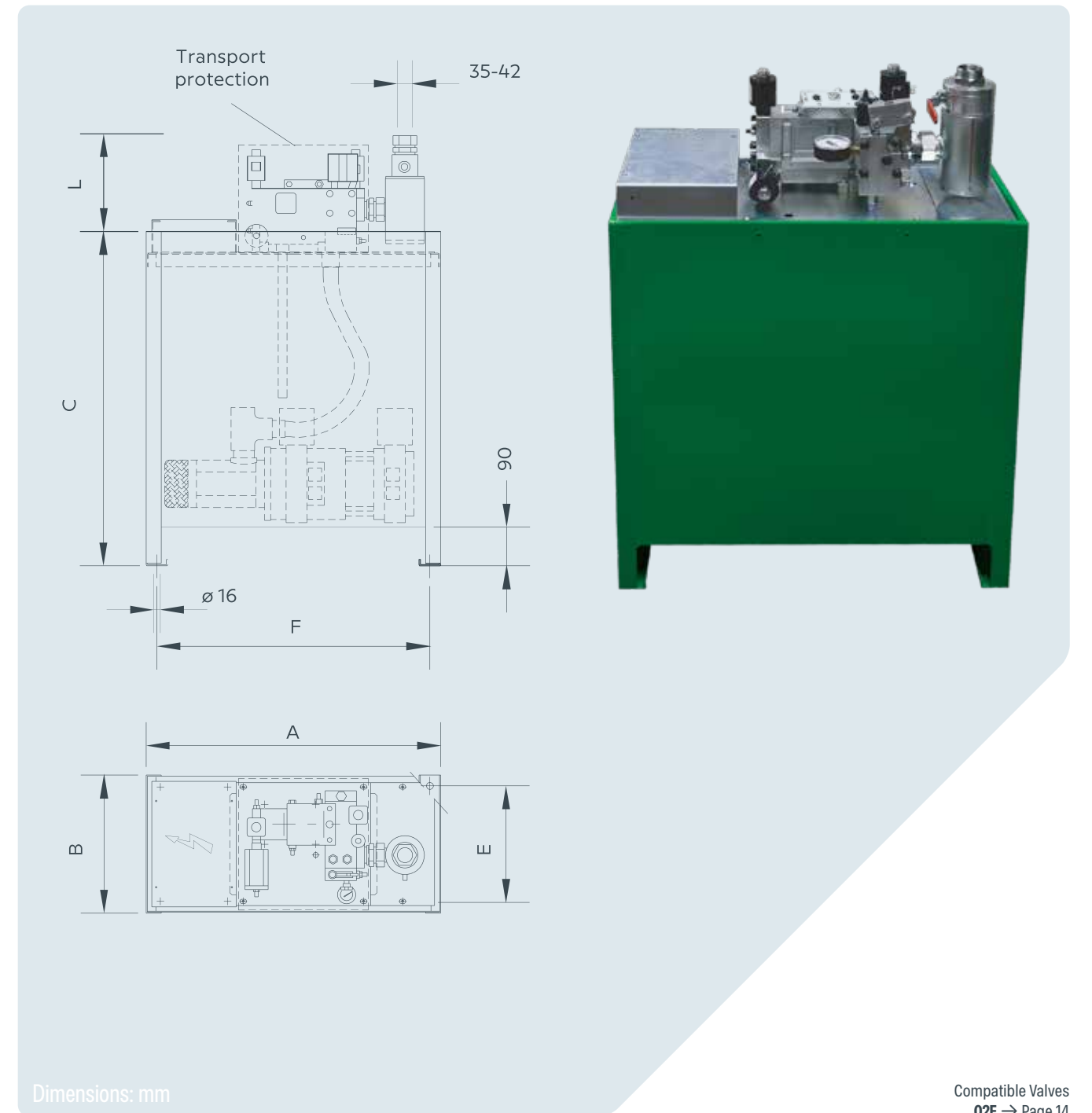
02E → Page 14



93E - 2DS → Page 15



Tank Type	Pump Type (L/min)	Dimensions (mm)							
		A	B	C	D	E	F	L	R
90/00	55 - 150	830	1000	420	120	370	700	750	35 - G 1"1/4
90/02/A	150	930	1000	500	120	450	800	850	35 - G 1"1/4
	180 - 205	930	1000	500	130	450	800	850	42 - G 1"1/2
90/02	180 - 205	1080	1000	600	130	550	950	1000	42 - G 1"1/2
	250 - 300	1080	1000	600	130	550	950	1000	42 - G 1"1/2
90/ 3	250 - 380	1180	1100	600	130	550	950	1000	42 - G 1"1/2



Tank Type	Pump Type (L/min)	Dimensions (mm)					
		A	B	C	E	F	L
93/01 SL	150 l/min	680	320	740	270	630	250
93/02 SL	250 l/min	780	320	740	270	730	250
93/02A SL	250 l/min	830	420	740	370	780	250
93/03 SL	380 l/min	950	600	740	550	900	250

Compatible Valves
02E → Page 14



93E - 2DS → Page 15

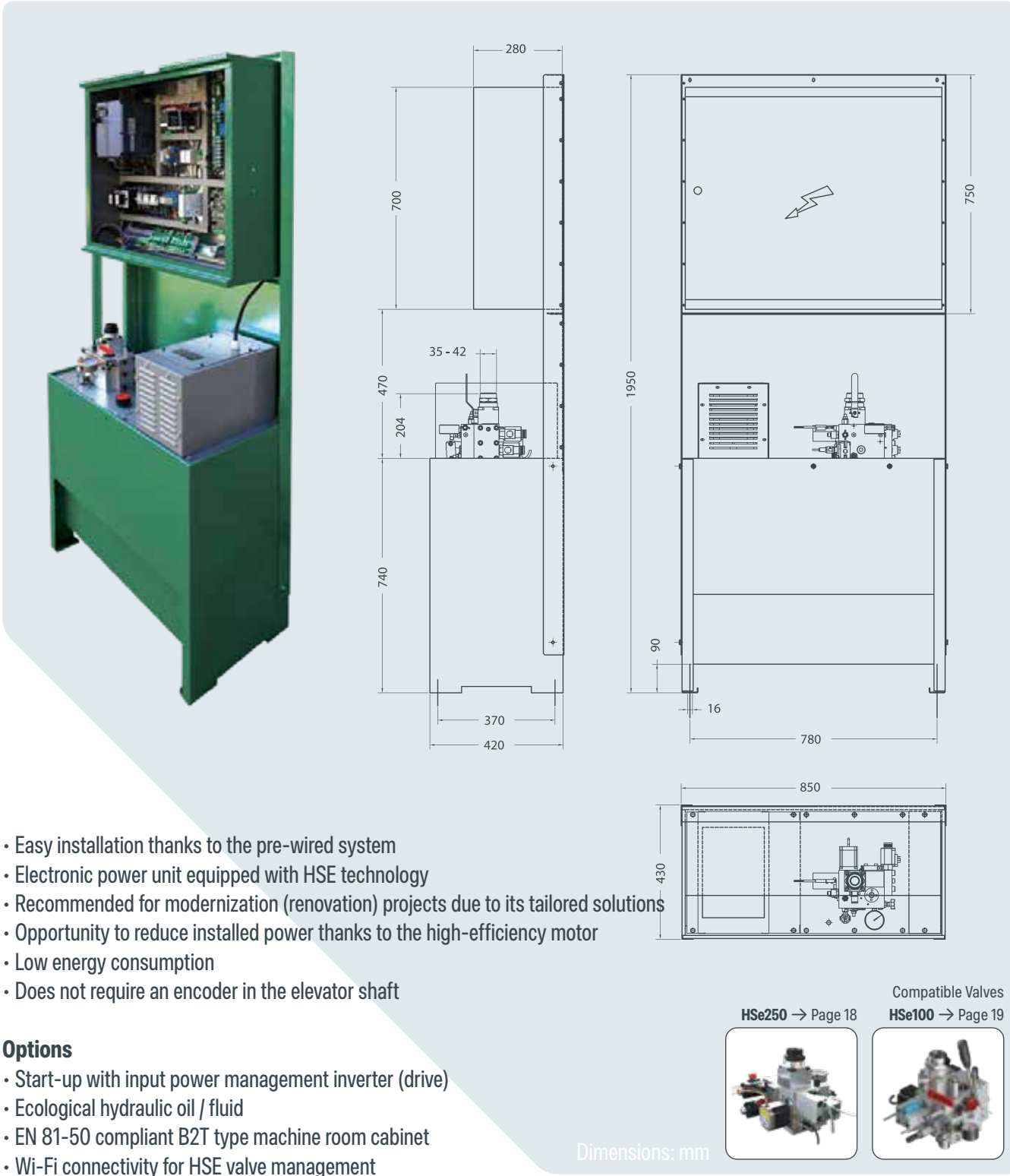


HSe250 → Page 18



COMBO / COMBO AE

HSe



Technical drawings showing dimensions in mm:

- Overall height: 1950 mm
- Overall width: 780 mm
- Top section height: 700 mm
- Top section width: 280 mm
- Bottom section height: 740 mm
- Bottom section width: 420 mm
- Internal width: 370 mm
- Internal height: 470 mm
- Internal width: 35 - 42 mm
- Internal height: 204 mm
- Bottom section width: 430 mm
- Bottom section height: 850 mm
- Bottom section width: 16 mm
- Bottom section height: 90 mm

- Easy installation thanks to the pre-wired system
- Electronic power unit equipped with HSE technology
- Recommended for modernization (renovation) projects due to its tailored solutions
- Opportunity to reduce installed power thanks to the high-efficiency motor
- Low energy consumption
- Does not require an encoder in the elevator shaft

Options

- Start-up with input power management inverter (drive)
- Ecological hydraulic oil / fluid
- EN 81-50 compliant B2T type machine room cabinet
- Wi-Fi connectivity for HSE valve management

Compatible Valves

HSe250 → Page 18

HSe100 → Page 19

Dimensions: mm

Combo

Tank Type	Motor Power (kW)	Flow Rate Range (L/min)	Valve
93/02A SL	3 - 20	20 - 250	Hse 250

Combo AE

Tank Type	Motor Power (kW)	Flow Rate Range (L/min)	Valve
93/02A SL	3 - 11	20 - 205	Hse 250

Features

- Dedicated electronic control board
- Integrated UCM/A3 device
- Does not require an additional encoder in the elevator shaft
- Reduced pressure loss during operation, ensuring lower oil heating and energy savings
- Thanks to its closed-loop feedback, the Hevos He valve controls and compensates for temperature-dependent oil viscosity changes throughout all travel phases
- Compatible with all types of inverter models
- Fully programmable via smartphone or tablet using the Hevos He app, available for free download on the Apple Store or Google Play

Compatible Valves
HSe250 → Page 18



HSe700 → Page 18



HSe100 → Page 19



Dimensions: mm

"Self-Learn" System, Guaranteeing Precise Floor Leveling Under All Load and Temperature Conditions While Minimizing Low-Speed Run

HEVOS

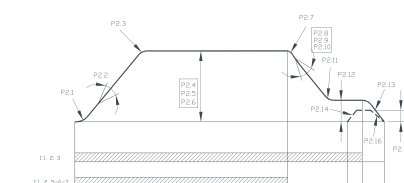


Electronic Control Board

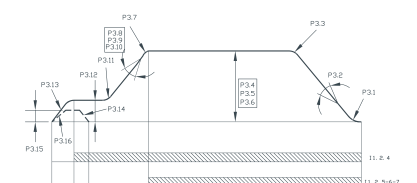


Parameter

Upward



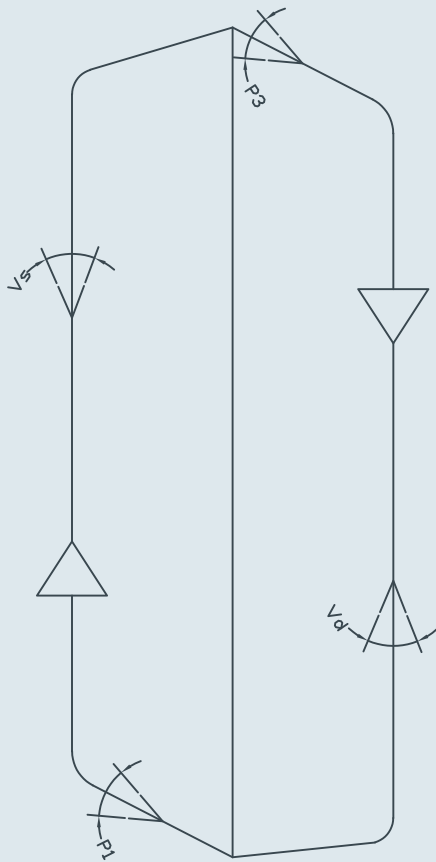
Downward



- Wide Connectivity Options: Ability to connect the board via PC, USB, SD, and Wi-Fi.
- Closed Loop Operation: The system operates in a closed loop thanks to the flow meter, pressure, and temperature sensors.
- Full Control: All parameters can be modified via PC, keypad, smartphone, or tablet.



- Aluminum Body
- Constant Speed Under Varying Loads
- Smooth Stop



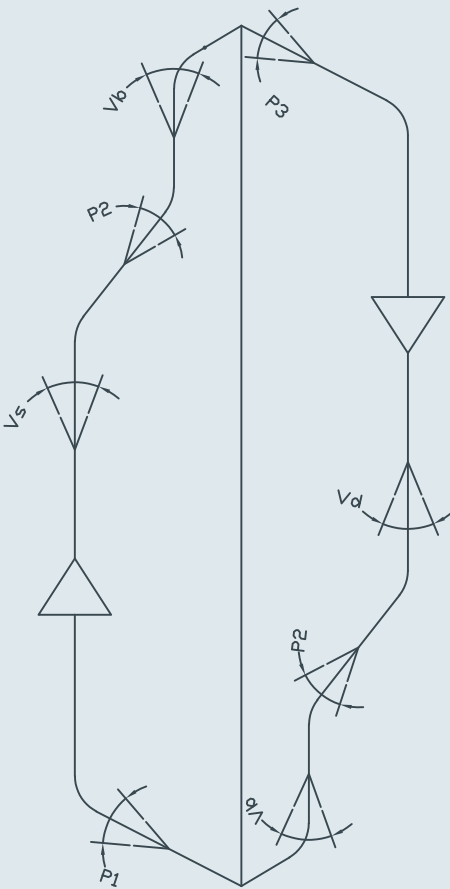
Parameters

P1. Upward Acceleration Ramp
P3. Downward Acceleration Ramp (Adjustable)
Vs. Upward High Speed (Adjustable)
Vd. Downward High Speed (Adjustable)

Technical Specifications

Type	Flow Rate Range (L/min)	Temperature Range (°C)	Pressure Range (Bar)
21U	6 - 55	8 - 60	10 - 70

- Aluminum Body
- Constant Speed Under Varying Loads
- Smooth Stop



Parameters

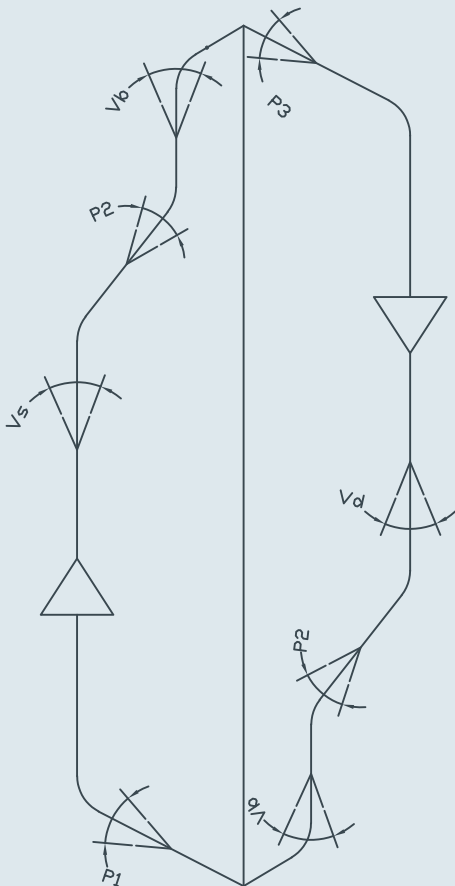
P1. Upward Acceleration Ramp
P2. Deceleration Ramp (Adjustable)
P3. Downward Acceleration Ramp (Adjustable)
Vs. Upward High Speed (Adjustable)
Vd. Downward High Speed (Adjustable)
Vb. Low Speed / Inspection Speed (Adjustable)

Technical Specifications

Type	Flow Rate Range (L/min)	Temperature Range (°C)	Pressure Range (Bar)
21E	6 - 75	8 - 60	10 - 70



- **Cast Aluminum Body**
- **Constant Speed Under Varying Loads**
- **Viscosity Range: 14 - 290 cSt**
- **A3 Integrated**



Designed for elevators, this Valve Group features a high-quality cast aluminum body that guarantees long-term durability and resistance.

The flow rate ranges from 380 to 660 liters per minute, with an operating pressure between 10 and 45 bar, and a temperature range of 8 to 60°C. This product is engineered to handle fluids with a viscosity between 14 and 290 cSt, making it suitable for a wide range of applications.

Additionally, the Valve Group is equipped with an integrated A3-type electronic board, providing higher reliability and operational flexibility. In summary, this product is high-quality equipment designed to deliver a reliable and long-lasting solution to meet the needs of the elevator industry.

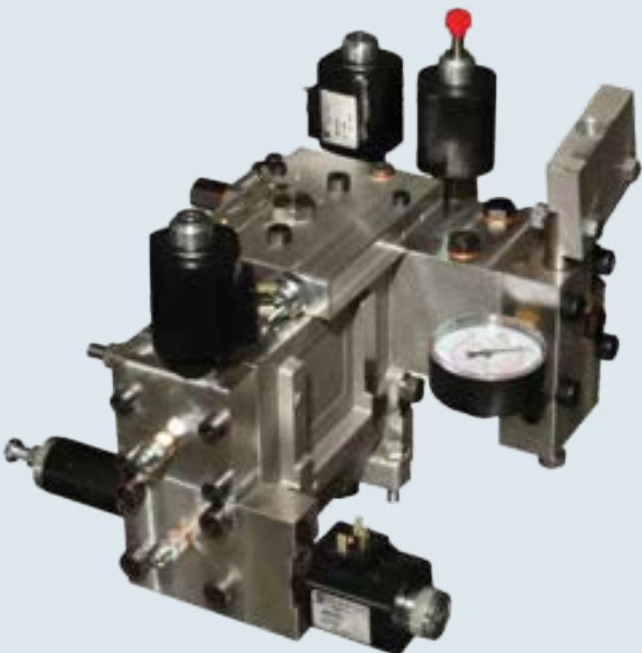
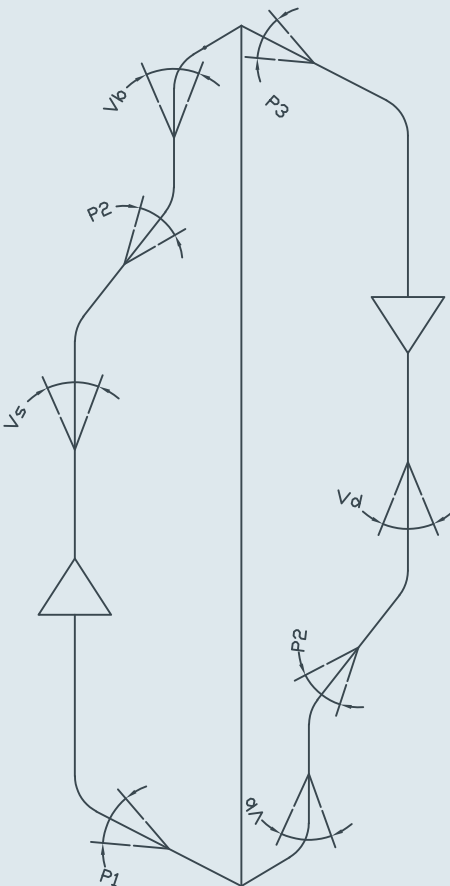
Technical Specifications

Type	Flow Rate Range (L/min)	Temperature Range (°C)	Pressure Range (Bar)
O2E	380 - 660	8 - 60	10 - 45

Parameters

- P1. Upward Acceleration Ramp
- P2. Deceleration Ramp (Adjustable)
- P3. Downward Acceleration Ramp (Adjustable)
- Vs. Upward High Speed (Adjustable)
- Vd. Downward High Speed (Adjustable)
- Vb. Low Speed / Inspection Speed (Adjustable)

- **Cast Aluminum Body**
- **Viscosity Range: 14 - 290 cSt**
- **A3 Integrated**



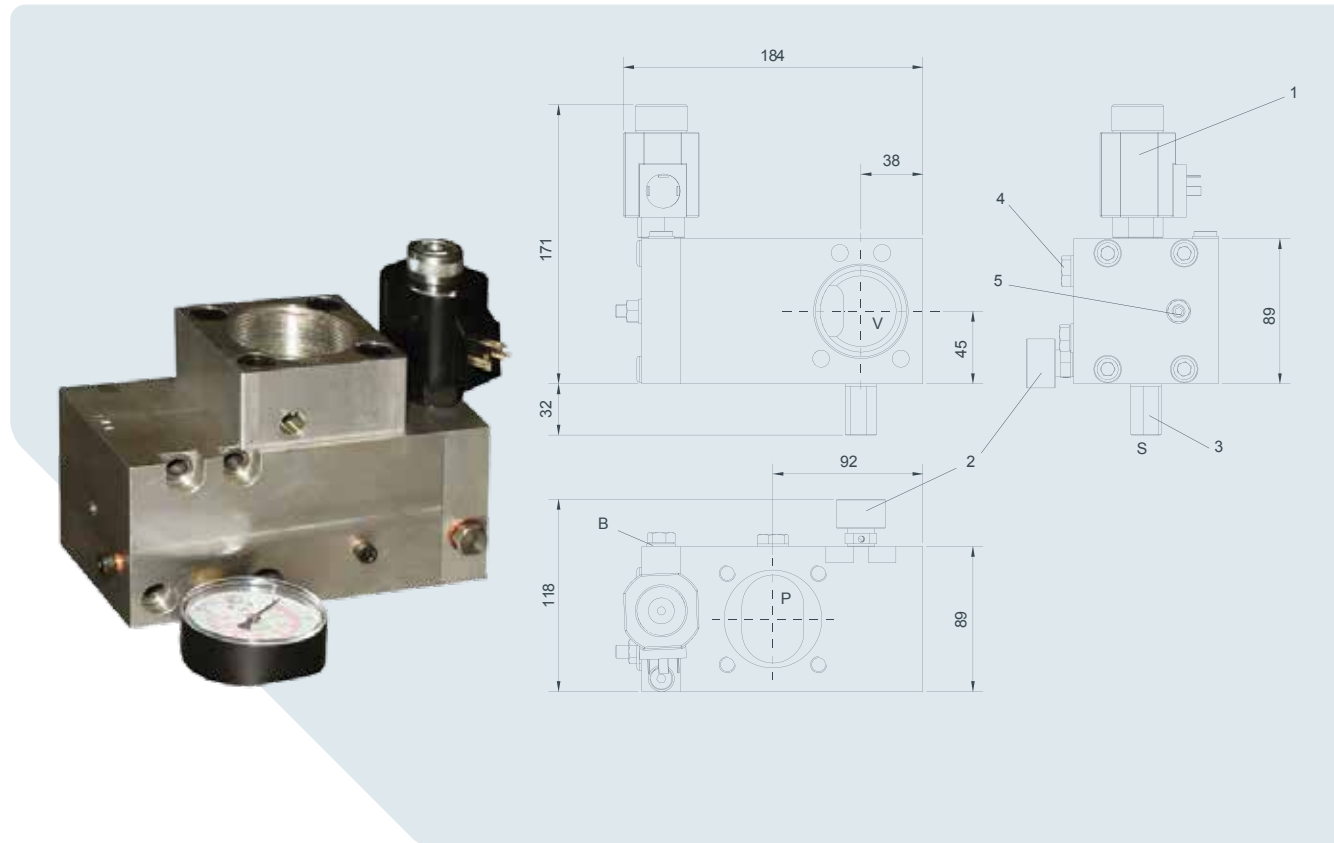
Parameters

- P1. Upward Acceleration Ramp
- P2. Deceleration Ramp (Adjustable)
- P3. Downward Acceleration Ramp (Adjustable)
- Vs. Upward High Speed (Adjustable)
- Vd. Downward High Speed (Adjustable)
- Vb. Low Speed / Inspection Speed (Adjustable)

Technical Specifications

Type	Flow Rate Range (L/min)	Temperature Range (°C)	Pressure Range (Bar)
93E - 2DS	55 - 380	8 - 60	10 - 45

DS VALVE - 2



Operating Method as an Emergency Blocking Element

1. Powering the DS device valve is not required for the upward travel (ascent) of the system; however, power must be supplied to the system before (300-500 ms) and after (1-1.5 s) any downward maneuver (descent).

2. To control the pressure switches in the controller unit, it may be necessary to cut off the power supply while the doors are open.

3. In any case, the power supply must be cut off the moment an uncontrolled movement is detected while the doors are open (activation of the DS device).

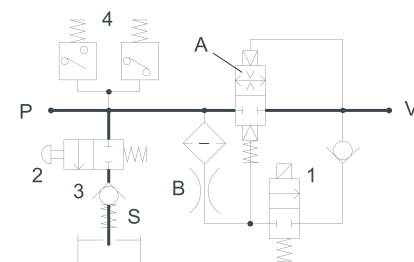
4. The DS device must be activated before the cabin moves 200 mm away from the floor leveling zone.

* The DS device can be used as a redundancy element for the downward movement of the controller unit. This also includes automatic monitoring by the control panel.

Technical Specifications

Type	Series	Nominal Flow Rate (L/min)	Static Pressure (Bar)	Oil Viscosity (cSt)
2"	19217 00	380 - 660	10 - 60	14 - 290

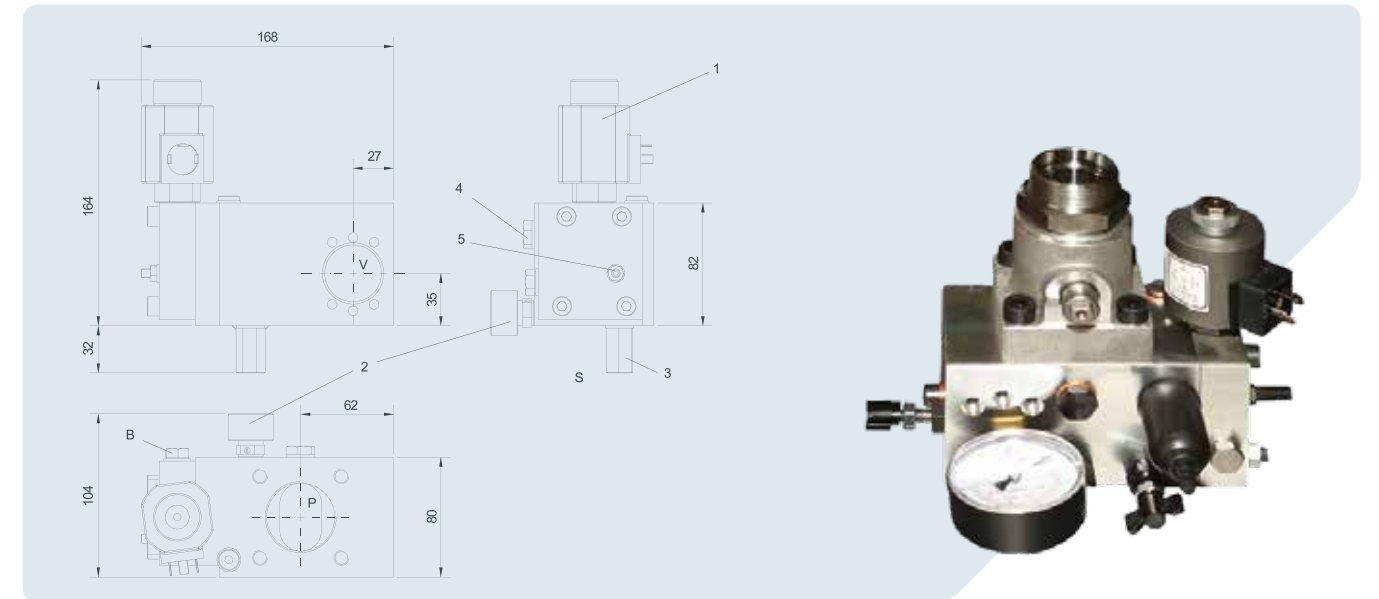
Hydraulic Schematic



- 1 Solenoid valve: 24 or 48 VDC – 45 W
- 2 Manual lowering button
- 3 Residual pressure valve: 2-3 Bar
- 4 Pressure switch (pressostat) connection
- 5 Section A adjustment screw

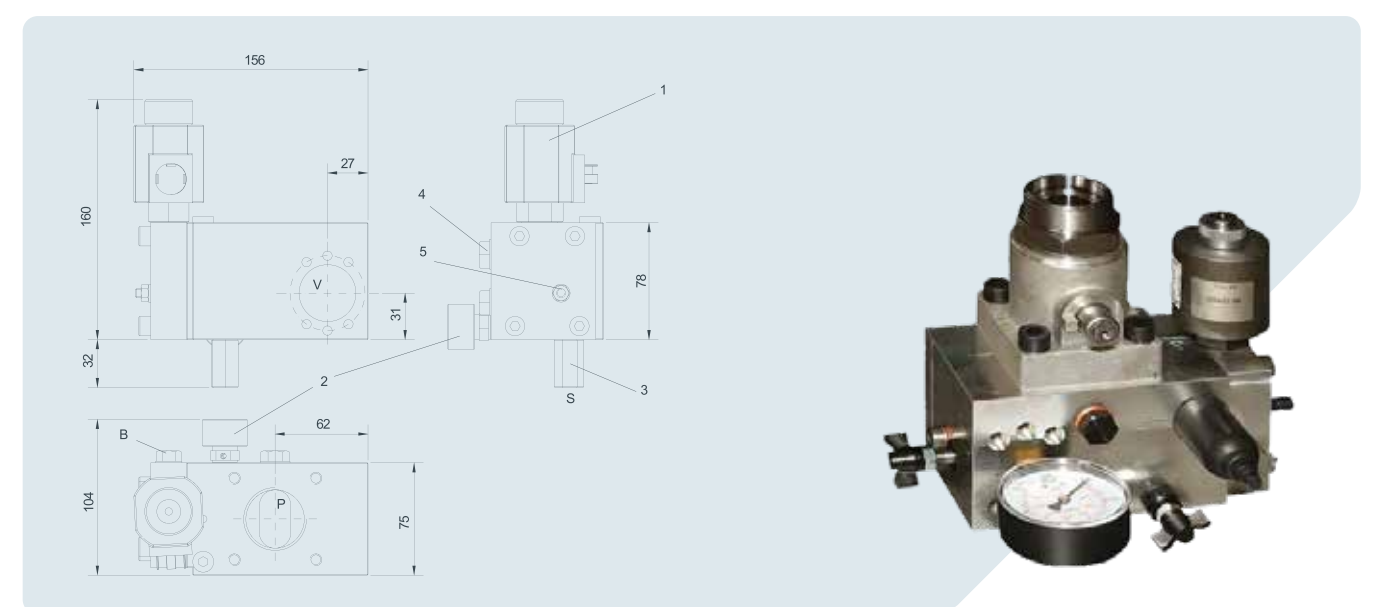
B – Closing speed control section
P – To cylinder / To piston
V – To controller unit (Valve side)

DS VALVE - 1" 1/4



Technical Specifications

Type	Series	Nominal Flow Rate (L/min)	Static Pressure (Bar)	Oil Viscosity (cSt)
1"1/2	19208 00	250 - 380	10 - 60	14 - 290



Technical Specifications

Type	Series	Nominal Flow Rate (L/min)	Static Pressure (Bar)	Oil Viscosity (cSt)
1"1/4	19200 00	45 - 210	10 - 60	14 - 290

HSe250

- **Integrated A3 Revision**
- **High Travel Comfort**
- **Low Noise Level**
- **Energy Saving**
- **Stepper Motor Controlled**



Advantages

Premium travel quality, completely independent of load and temperature:

- Temperature and Pressure (Load) Compensation: Automatic balancing according to changing conditions.
- Stable Leveling Speed: A constant stopping speed is maintained over the shortest possible distance to reduce heat generation.
- Controllable Upward and Downward Speeds.

Easy Installation

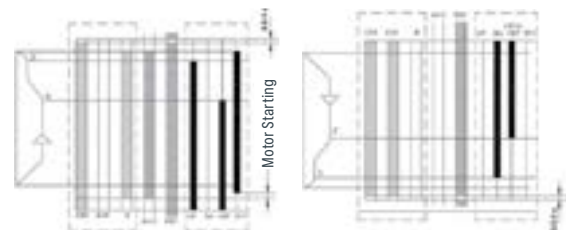
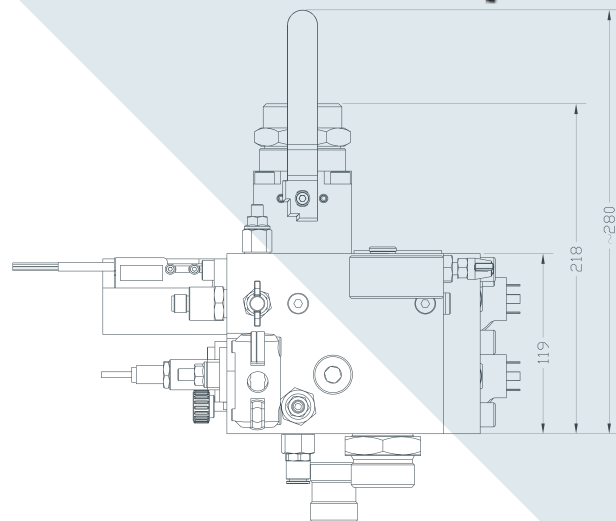
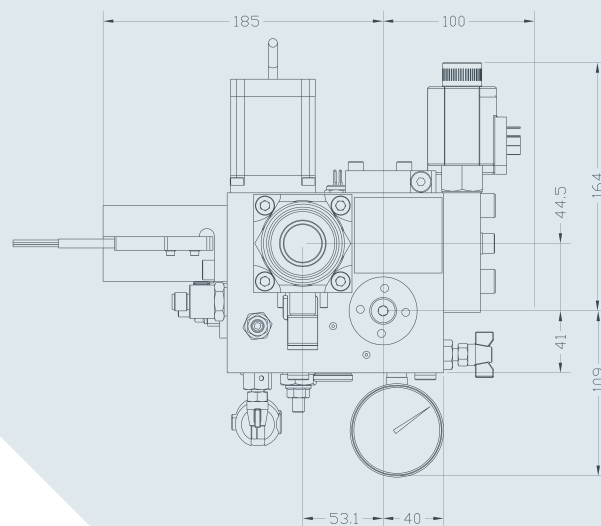
- Fast Programming: Valve programming takes just a few minutes after installation.
- No Mechanical Adjustment Required: No physical intervention is needed.
- Consistent Performance: No seasonal or periodic adjustment requirements.

Safe, Robust, and Energy Efficient

- Integrated Overspeed Valve.
- Efficient System: Delivers more efficient operation with shorter running times.
- Integrated Cylinder-Side Filter.
- Protection System Against Unintended Car Movement (A3).

Premium Plus Features

- Wireless Connectivity: Wi-Fi access for iOS or Android systems.
- Integrated Hand Pump.
- Integrated Shut-off Valve.
- Pressure Gauge (with shut-off valve).



Technical Specifications

Type	Flow Rate Range (L/min)	Temperature Range (°C)	Pressure Range (Bar)
HSe250	20 - 250	10 - 60	10 - 45

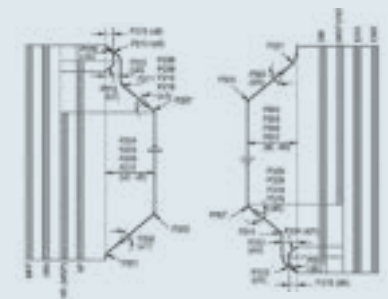
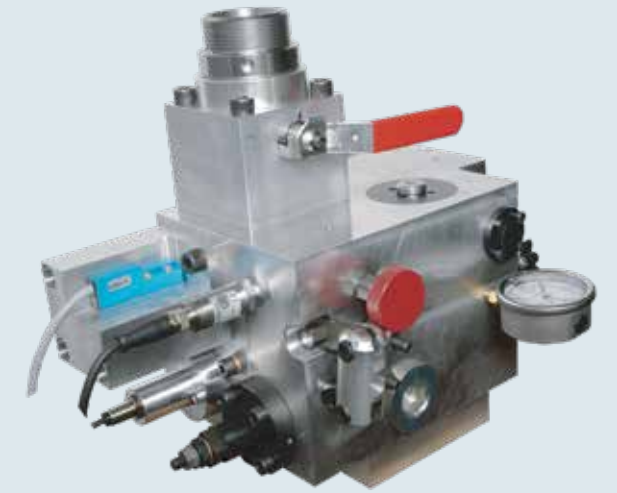
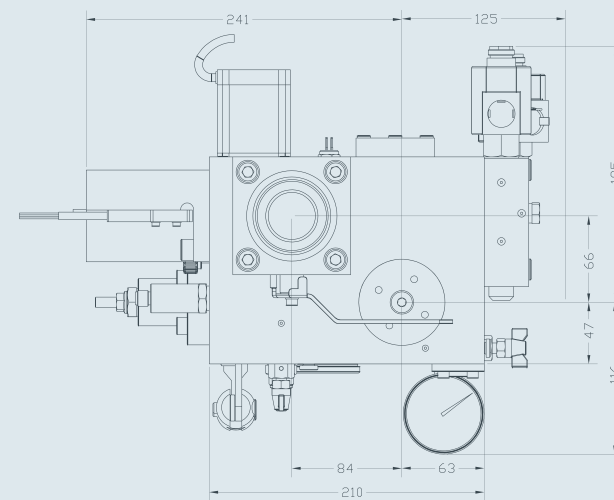
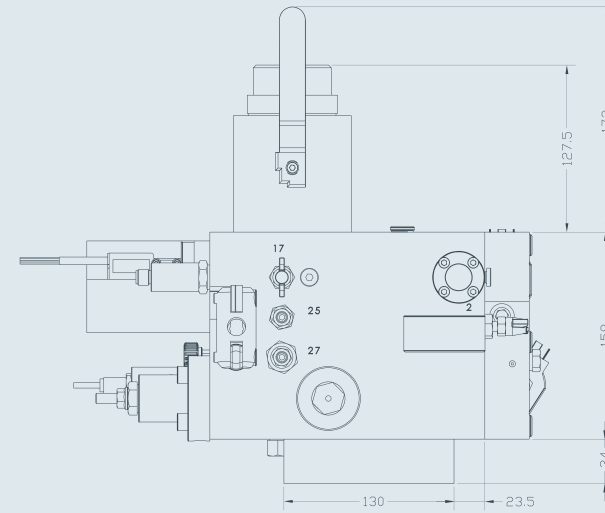
Aluminum Body / Viscosity: cSt40°C - 25-68

VALVE GROUPS

ELECTRONIC POWER UNIT

VALVE GROUPS

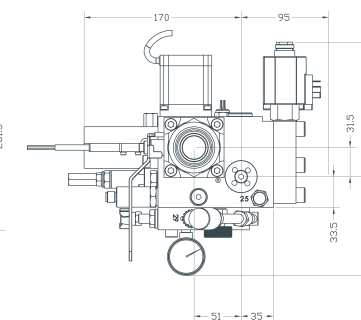
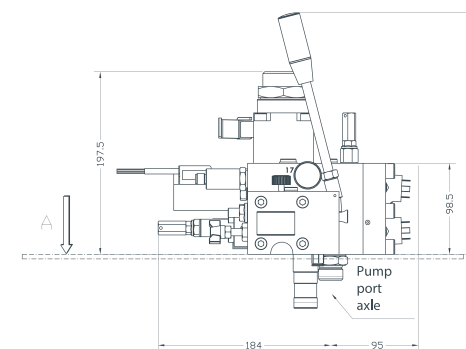
ELECTRONIC POWER UNIT



Technical Specifications

Type	Flow Rate Range (L/min)	Temperature Range (°C)	Pressure Range (Bar)
HSe700	250 - 700	10 - 60	10 - 45

Aluminum Body / Viscosity: cSt40°C - 25-68



HSe100

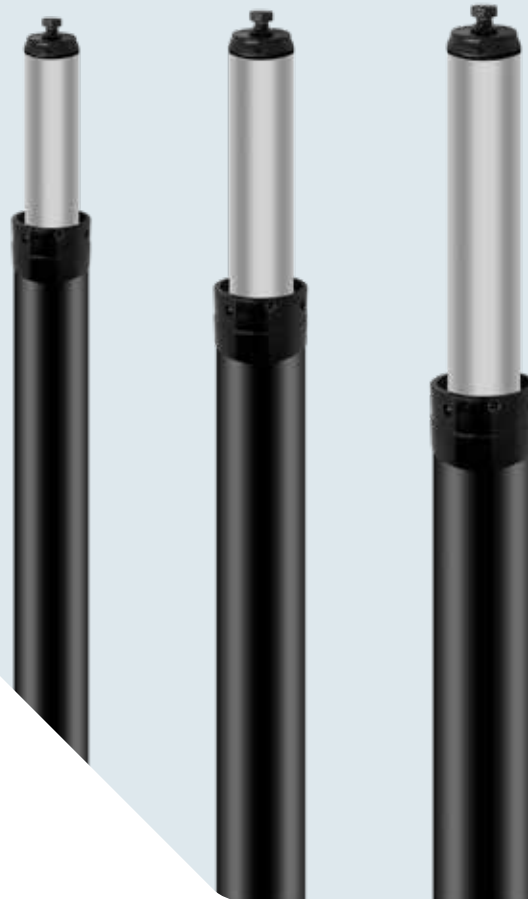
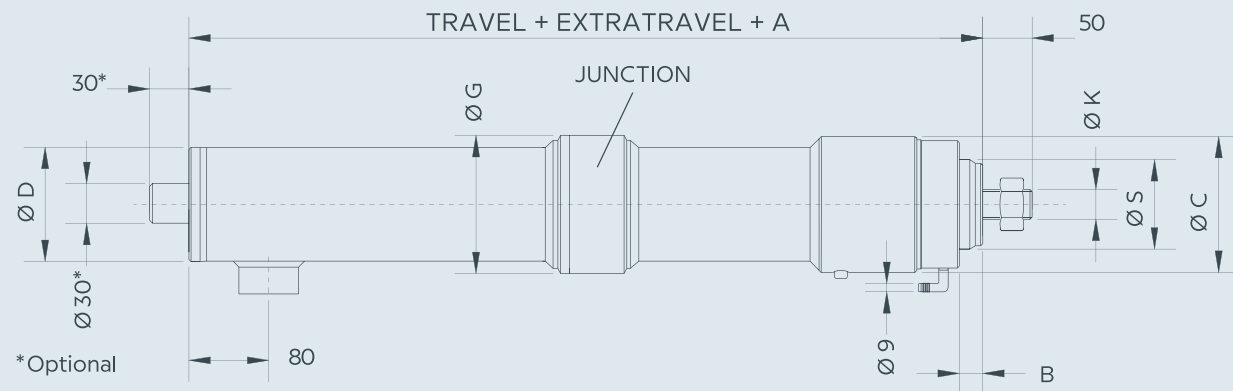


Technical Specifications

Type	Flow Rate Range (L/min)	Temperature Range (°C)	Pressure Range (Bar)
HSe100	8 - 125	10 - 60	10 - 75

Aluminum Body / Viscosity: cSt40°C - 25-68

SL PISTON

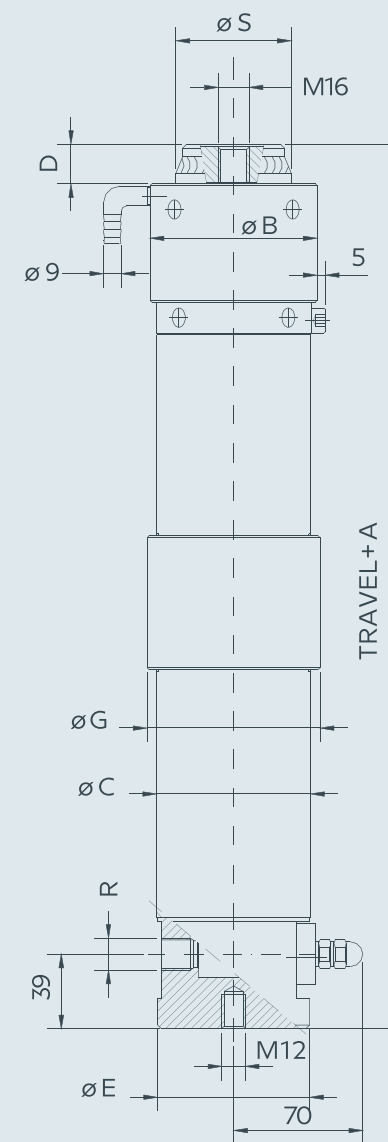


SL Piston Features

Compact Size
Low Oil Volume

Dimensions: mm

Piston Type (mm)		Dimensions (mm)					
Ø S	Thickness	A	B	Ø C	Ø D	Ø G	Ø K
80	5-7.5-12	200	23	126	101.6	130	M30
90	5-7.5-12	200	23	137	114.3	139	M30
100	5-7.5-12	200	23	157	133	159	M30

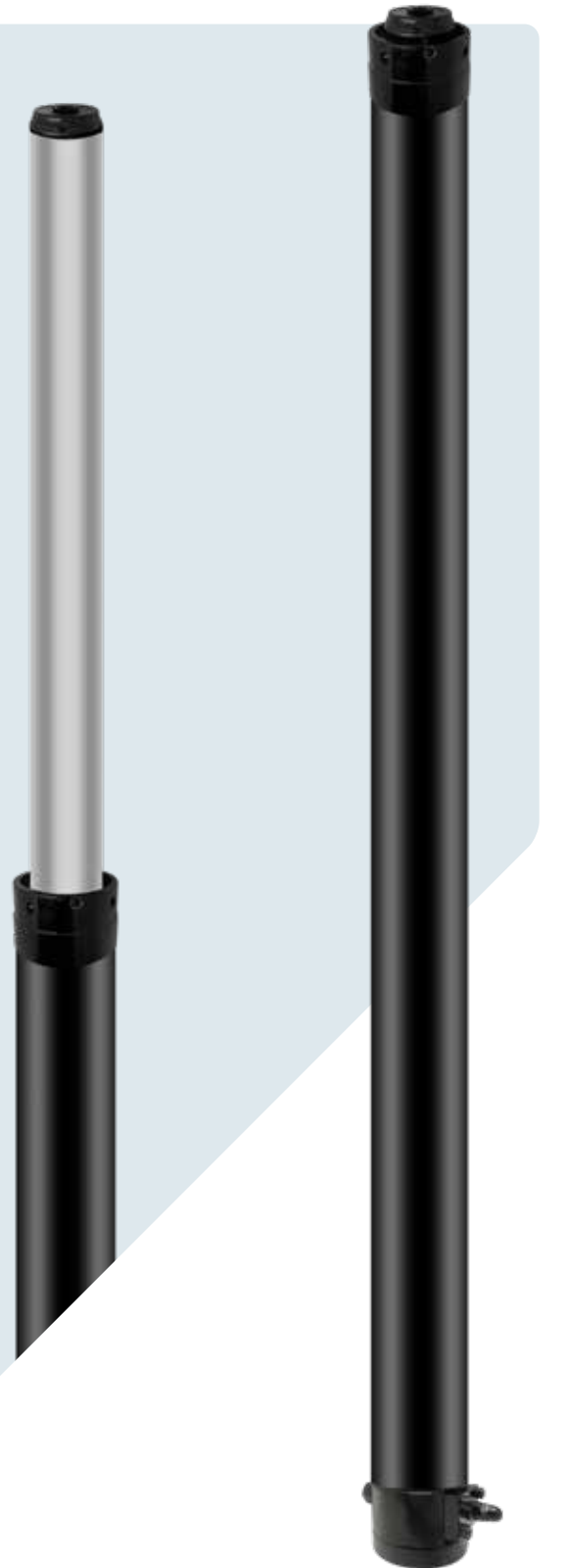


Home Lift Piston Features

Compact Size
Low Oil Volume:
Safety Valve Integrated into the Cylinder/Ram Base

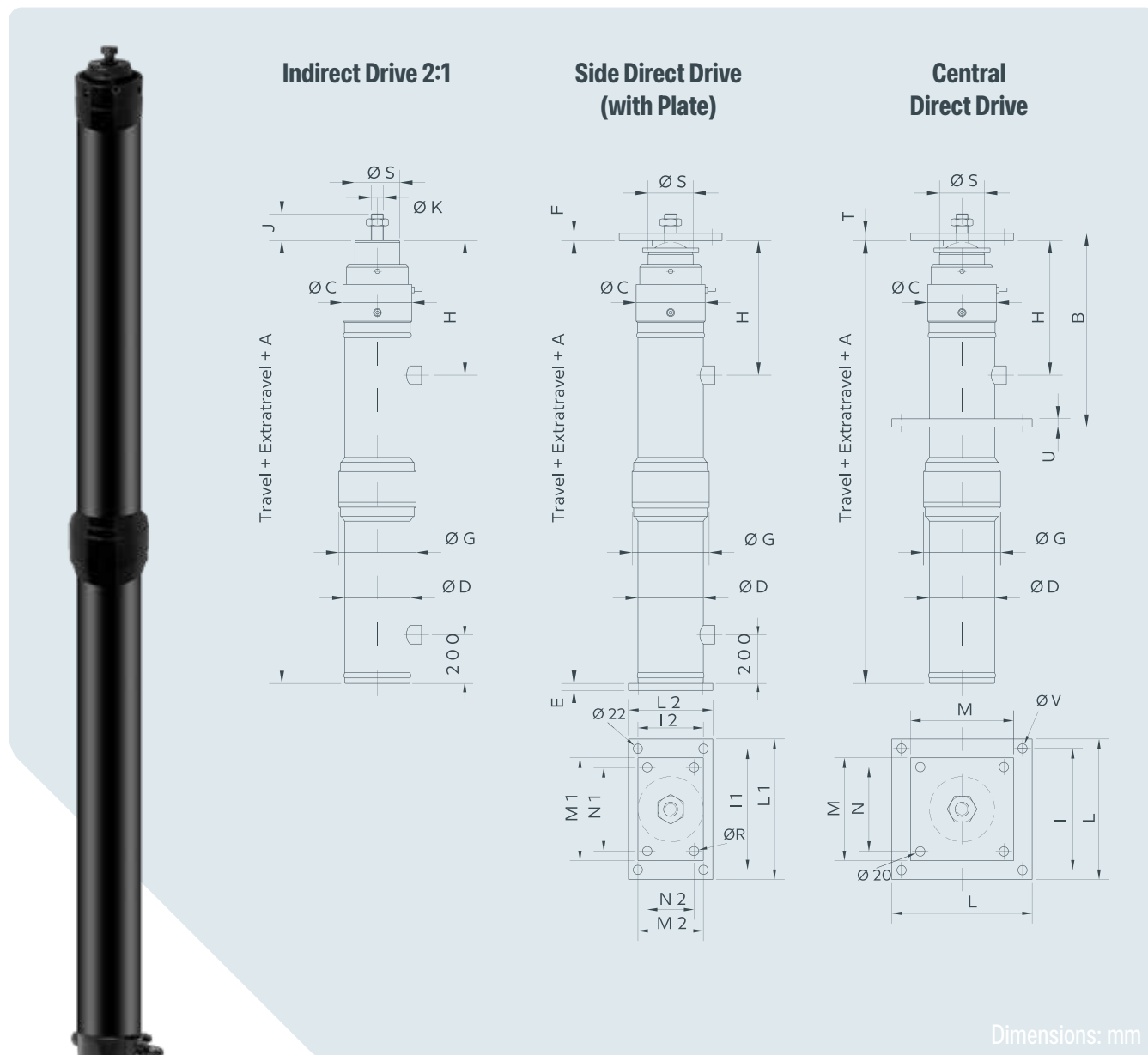
Dimensions: mm

Piston Type Ø S (mm)	A	B	C	D	E	G	R
60	262	87	80	20	79	96	G 1/2
70	262	100	90	20	89	106	G 1/2

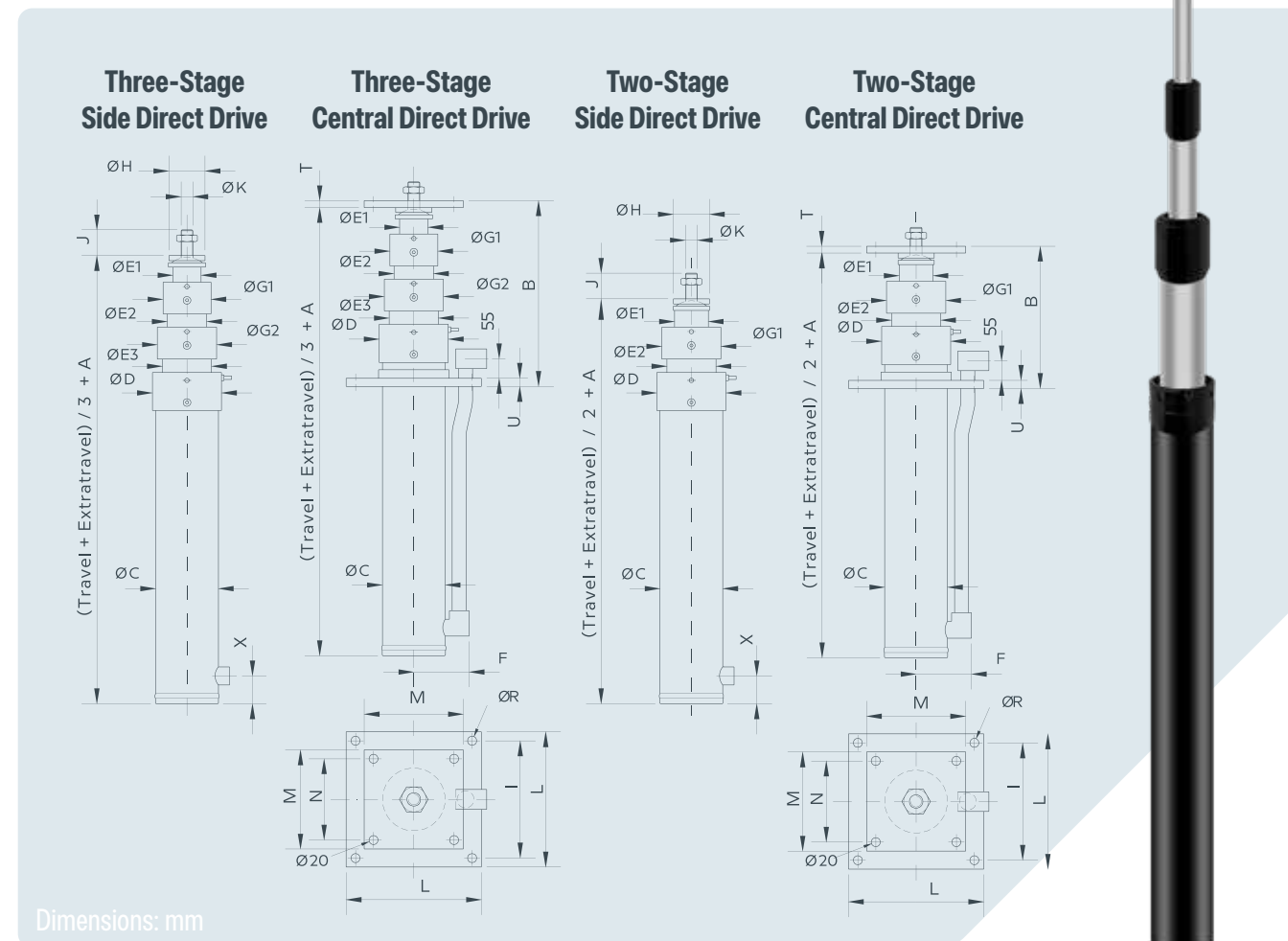


STANDARD PISTON

TELESCOPIC PISTON



Rif ØS	Dimensions (mm)																						
	A	A1	B	ØC	ØD	E	F	ØG	H	ØK	J	I	I1 x I2	L	L1 x L2	M	M1 x M2	N	N1 x N2	ØR	T	U	ØV
60	262	262	560	114	101,6	20	20	130	345	M30	45	200	250x80	240	300x130	240	250x150	200	200x100	20	15	20	20
70	262	262	560	114	101,6	20	20	130	345	M30	45	200	250x80	240	300x130	240	250x150	200	200x100	20	15	20	20
80	272	272	560	132	114,3	20	20	139	355	M30	45	260	250x120	300	300x170	300	250x150	260	200x100	20	15	20	20
90	272	272	560	150	133	20	20	159	355	M30	45	260	250x120	300	300x170	300	250x150	260	200x100	20	15	20	20
100	272	272	560	157	139,7	20	20	168	355	M30	45	260	250x120	300	300x170	300	250x150	260	200x100	20	15	20	20
110	282	282	560	168	159	25	20	193	360	M30	45	360	350x160	400	400x210	300	250x150	260	200x100	20	20	30	20
120	290	290	600	177	159	25	20	193	368	M30	45	360	350x160	400	400x210	300	250x150	260	200x100	20	20	30	20
130	285	285	600	202	177,8	25	20	218	388	M30	50	360	350x160	400	400x210	300	250x150	260	200x100	20	20	30	20
150	325	325	600	218	193,7	25	25	242	393	M30	55	360	350x200	400	400x250	300	300x200	260	250x150	22	25	30	20
180	380	380	600	270	244,5	25	25	325	423	M30	55	460	400x230	500	450x280	300	300x200	260	250x150	22	25	40	20
200	380	380	600	298	273	25	30	375	415	M30	70	460	400x270	500	450x320	400	400x300	360	350x250	24	30	40	20
230	458	488	750	323	298,5	30	30	383	500	M30	/	520	450x300	600	500x350	400	400x300	360	350x250	24	30	40	32
280	555	585	750	405	355,6	30	35	/	530	M45	70	520	550x360	600	600x410	500	500x400	460	450x350	26	35	45	32



Number of Stages	Piston Type	Dimensions (mm)																				
		A	B	ØC	ØD	ØE1	ØE2	ØE3	F	ØG1	ØG2	ØH	ØK	J	I	L	M	N	ØR	T	U	X
TWO	46/2	425	365	80	100	35	55	/	110	74	/	70	M16	53	250	300	240	200	20	15	20	50
	60/2	578	380	100	106	48	70	/	120	83	/	85	M20	53	250	300	240	200	20	15	20	50
	78/2	555	420	130	150	64,5	89	/	140	/	/		M30		310	420	240	200	20	15	25	50
	85/2	555	420	140	160	70	98	/	145	116	/	100	M30	53	310	420	240	200	20	15	25	50
	103/2	630	450	165	190	85	118	/	160	137	/	100	M30	52	310	420	300	260	20	20	25	55
	120/2	670	460	190	220	97	140	/	175	161	/	100	M30	52	370	500	300	260	24	20	30	60
	141/2	750	480	229	254	120	160	/	205	188	/	150	M30	54	370	500	300	260	24	25	35	65
	170/2	840	530	273	300	146	190	/	230	215	/	150	M30	54	450	600	300	260	24	25	40	70
205/2	910	560	324	350	180	228	/	255	256	/	200	M30	57	500	600	360	320	24	30	45	70	
THREE	58/3	680	520	120	135	35	55	76	140	74	96	70	M16	53	250	300	240	200	20	15	20	55
	75/3	735	550	150	170	48	70	98,5	150	89	118	85	M20	53	310	420	240	200	20	15	25	55
	98/3	835	585	190	215	64,5	89	130	170	106	149	100	M30	42	310	420	240	200	20	20	25	55
	107/3	855	585	210	240	70	98	140	185	116	161	100	M30	53	370	500	240	200	24	20	30	60
	127/3	955	660	245	280	85	118	165	200	137	188	100	M30	52	370	500	300	260	24	20	35	65
	127/3 LV	975	680	245	280	85	118	165	200	137	188	100	M30	52	370	500	300	260	24	20	35	65
	150/3	1020	680	298	325	97	140	197	240	161	215	100	M30	54	450	600	300	260	24	25	40	70
	150/3 LV	1040	700	298	325	97	140	197	240	161	215	100	M30	54	450	600	300	260	24	25	40	70
	176/3	1115	715	355	380	120	160	230	265	188	256	150	M30	54	500	600	300	260	24	25	45	75
	176/3 LV	1135	735	355	380	120	160	230	265	188	256	120	M30	54	500	600	300	260	24	25	45	75

Submersible Screw Hydraulic Pump



- Used as the main power source in hydraulic elevator units; meets high efficiency requirements by providing a comfortable ride with high flow capacity (900 L/min), minimal noise levels, and vibration-free operating performance.

Pressure Sensors



- Adjustable Pressure Switch
- Integrated Open-Closed and Dual Contact
- Ensures normal operation by monitoring and controlling pump pressure.

Operating Voltage	Max. Operating Current	Pressure Range	Max. Pulse Rate
AC110V, AC220V, DC12V, DC24V,	500 mA	15-145psi, (0,1-1,0MPa)	200 Cycles/Dk.

Hydraulic Piston Seal Kits



- A critical component that ensures sealing between the piston and the cylinder. It maintains system pressure by preventing hydraulic oil leakage.
- Contributes to the efficient and long-lasting operation of the hydraulic system. Worn seals lead to oil leaks and performance loss.

Hydraulic Oil Tank Heater



- 70-500W Power / Ambient pre-heating via direct heating
- Integrated thermostat with a +40°C shut-off temperature
- Temperature resistant down to -20°C
- Contact parts made of 1.4571 stainless steel

Submersible Motor



- Featuring a power range of 1.5 - 60 kW, this motor group is designed to operate directly inside the hydraulic oil tank to ensure quiet operation and maximum cooling efficiency.

Hydraulic Oil Transfer Pump



- Maintains system performance, facilitating the drainage and filtration process of high-viscosity hydraulic oils into elevator tanks.

Piston Spanners



- Special wrenches with adjustable jaws used in piston assembly and seal replacement, available in different sizes depending on the piston dimension range.

Hydraulic Elevator Brake Test Kit



- Used to test the braking systems of hydraulic elevators and to perform rope rupture simulations.

Soft Stop Valve



- The hydraulic elevator soft-stop system eliminates vibrations by gradually decelerating the elevator cabin before stopping, ensuring a smooth, comfortable, and precise landing.

Micro-Leveling Unit



- In high-capacity systems, if the cabin deviates from the floor level, it performs precise re-leveling with low energy consumption without engaging the main motor, ensuring comfort and efficiency.

Pulsation Damper (Silencer)



- Function:**
- Noise reduction
 - Extending system lifespan

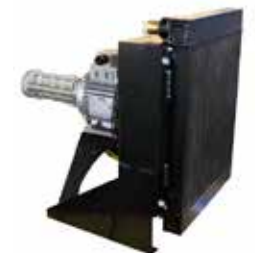
Pressure Resistance	Connection
50 Bar	½" - 1"

Fittings Kit



- Essential connection kit consisting of a ball valve, hand pump, vibration damper, and coil protectors.

Coolers



- In high-traffic elevators, when the oil heats up, its fluidity (viscosity) changes, which compromises the elevator's floor leveling accuracy. This cooler cools the oil using its fan-driven structure, ensuring a comfortable and safe ride.



HALF A CENTURY OF HERITAGE, DESIGNED FOR THE FUTURE.

MRL MOTORS (GEARLESS)

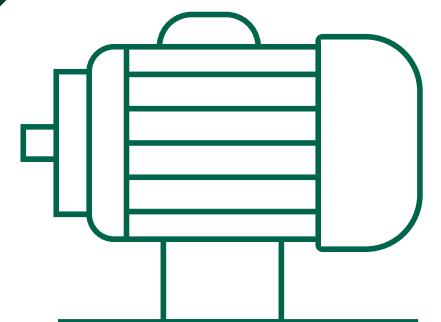
Avrasya x CEGi: Excellence in Elevator Technology

As the official distributor in Turkey, Avrasya is proud to reintroduce the pioneering Spanish motor manufacturer CEGi whose foundations date back to the 1960s to the industry. Combining half a century of experience with cutting-edge innovation, CEGi offers high-performance, next-generation gearless machines ideal for new installations, modernization projects, and home lifts.

Beyond our standard product range, we provide tailor-made engineering solutions designed to meet the specific requirements of your project.

Permanent magnet synchronous motor compliant with the provisions of Elevator Directive 2014/33/EU, EN81-20, and EN81-50.

Quiet and cost-effective motors featuring energy efficiency, minimal maintenance requirements, and oil-free operation.



ACT MICRO BELT C



**More than just a machine,
a complete modernization
solution.**

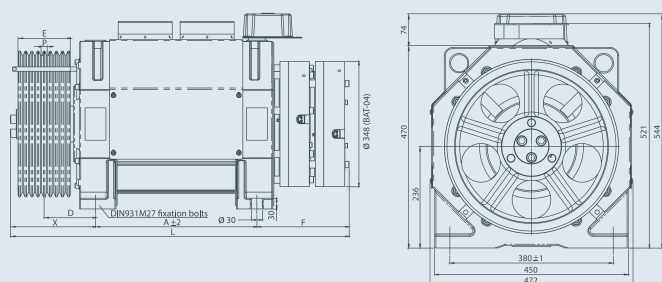
- Compact. Quiet. Efficient.
- Maximum comfort and reliability.
- Discover effortless modernization.
- Your tailor-made compatible alternative:
Fast, adaptive, and easy to install.

Technical Specifications*

m/s	Ø mm	No.	kg
0,63 - 1 - 1,6	100	3*	225 - 1250

* Consult us for configurations
and custom solutions.

MAXI ACT

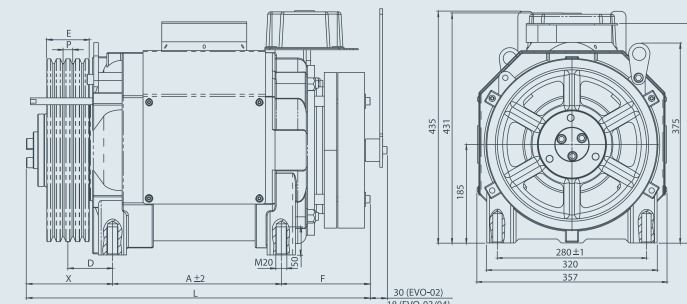


Dimensions

Model	Brake	A	L	F	kg
		mm	mm	mm	
Maxi ACT 200	BAT-03	298	548 + X	250	505
Maxi ACT 250	BAT-03	348	598 + X	250	545
Maxi ACT 350	BAT-03	448	704 + X	250	625
Maxi ACT 350	BAT-04	448	704 + X	256	660
Maxi ACT 400	BAT-04	498	754 + X	256	700

Sheave

Ø	Groove	Cable	E	D	P	X
mm			mm	mm	mm	mm
320	10	8	155	148	15	236
400	6	10	145	143	17	236
400	8	10	145	143	17	236
400	9	10	145	143	15	236
400	10	10	184	162	17	255
520	6	12	145	143	20	236



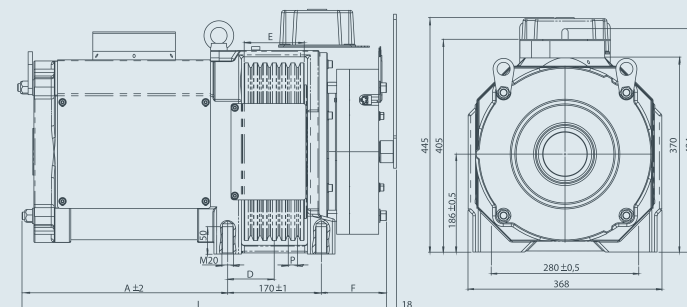
Dimensions

Model	Brake	A	L	F	kg
		mm	mm	mm	
ACT 120	EVO-02	218	375 + X	157	215
ACT 160	EVO-02	258	415 + X	157	235
ACT 200	EVO-02	298	455 + X	157	260
ACT 200	EVO-03	298	465 + X	167	280
ACT 240	EVO-03	338	505 + X	167	300
ACT 320	EVO-03	418	585 + X	167	330
ACT 360	EVO-03	458	625 + X	167	340
ACT 360	EVO-04	458	647 + X	189	350
ACT 400	EVO-04	498	687 + X	189	360

Sheave

Ø	Groove	Cable	E	D	P	X
mm			mm	mm	mm	mm
320	4	8	75	78	17	152
320	6	8	109	95	17	165
320	8	8	109	95	13	165
320	10	8	155	118	15	196
400	4	10	80	80,5	17	152
400	6	10	120	100,5	17	165

ACT C



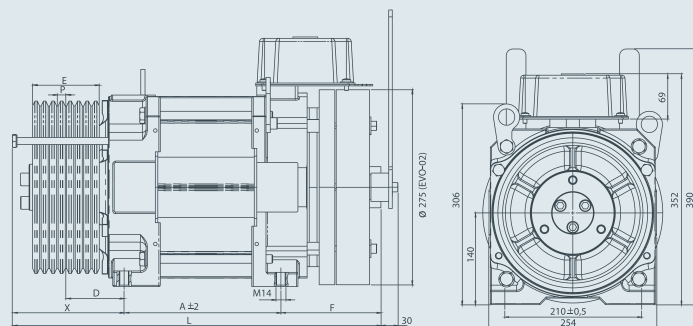
Dimensions

Model	Brake	A	L	F	kg
		mm	mm	mm	
ACT 120	EVO-02	254	532	108	230
ACT 160	EVO-02	294	572	108	250
ACT 200	EVO-03	334	622	118	285
ACT 240	EVO-03	374	662	118	310
ACT 320	EVO-03	454	742	118	340

Sheave

Ø	Groove	Cable	E	D	P
mm			mm	mm	mm
240	7	6,5	94	77	12
240	9	6,5	114	87	12
240	10	6,5	114	87	11
320	4	8	75	67,5	17
320	6	8	109	85	17
320	8	8	109	85	13

MINI ACT



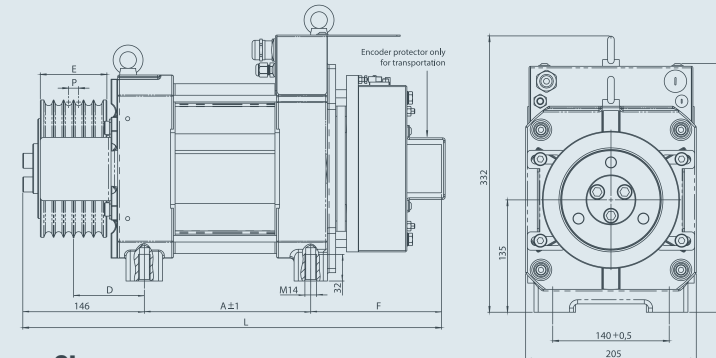
Dimensions

Model	Brake	A	L	
		mm	mm	
70	EVO-01	153	153 + F + X	100
100	EVO-01	187	187 + F + X	115
130	EVO-01	221	221 + F + X	125
170	EVO-01	255	255 + F + X	135
170	EVO-02	255	255 + F + X	140
200	EVO-02	289	289 + F + X	150
240	EVO-02	323	323 + F + X	165

Sheave

	Groove	Cable	E	D	P	X
			mm	mm	mm	mm
210	5	6,5	69	74,5	12	146
210	7	6,5	92	81	12	146
210	9	6,5	116	93	12	154
240	5	6,5	70	70	12	146
240	7	6,5	94	82	12	159
240	9	6,5	114	92	12	159

MICRO ACT



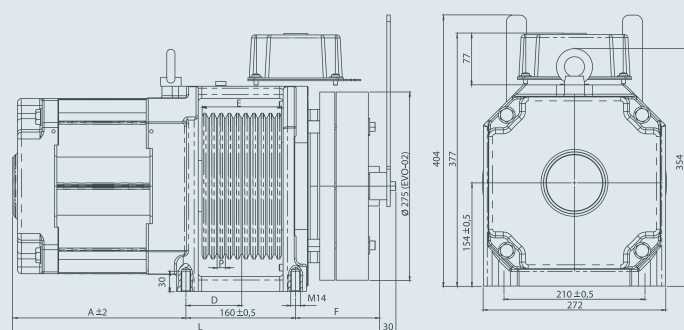
Dimensions

Model	Brake	A	L	
		mm	mm	
Micro ACT 60	2x125 Nm	140	286 + F (60)	80
Micro ACT 120	2x125 Nm	200	346 + F (120)	95
Micro ACT 180	2x225 Nm	260	376 + F (180)	120
Micro ACT 210	2x250 Nm	290	406 + F (210)	135

Sheave

	Groove	Cable	E	D	P
			mm	mm	mm
120	5	6,5	74	82	10
120	6	6,5	74	82	10
160	5	6,5	56	73	10
160	6	6,5	66	78	10
160	5	8,1	66	78	12
160	6	8,1	80	85	12

MINI ACT C



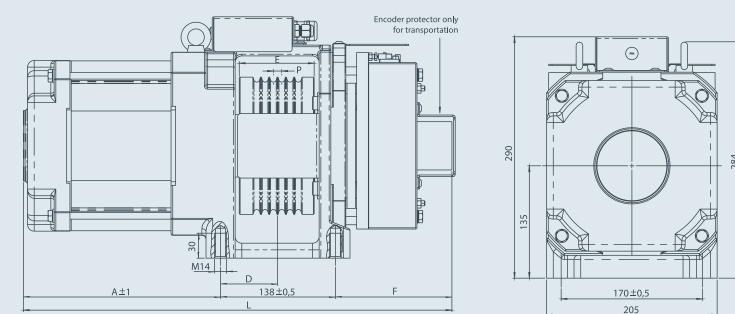
Dimensions

Model	Brake	A	L	
		mm	mm	
70	EVO-01	185	345 + F	110
100	EVO-01	219	379 + F	123
130	EVO-01	253	413 + F	133
170	EVO-01	287	447 + F	143
170	EVO-02	287	447 + F	148
200	EVO-02	321	481 + F	158
240	EVO-02	355	515 + F	173

Sheave

	Groove	Cable	E	D	P
			mm	mm	mm
210	5	6,5	69	61,5	12
210	7	6,5	92	68	12
210	9	6,5	116	80	12
240	5	6,5	70	57	12
240	7	6,5	94	69	12
240	9	6,5	114	79	12

MICRO ACT C



Dimensions

Model	Brake	A	L	
		mm	mm	
Micro ACT 60 P	2x125 Nm	170	315 + F (60)	85
Micro ACT 120 P	2x125 Nm	237	375 + F (120)	100
Micro ACT 180 P	2x225 Nm	297	435 + F (180)	120
Micro ACT 210 P	2x250 Nm	327	465 + F (210)	135

Sheave

	Groove	Cable	E	D	P
			mm	mm	mm
120	5	6,5	74	59	10
120	6	6,5	74	59	10
160	5	6,5	92	69	10
160	6	6,5	92	69	10
160	5	8,1	92	69	12
160	6	8,1	92	69	12



THE BACKBONE OF SAFETY AND STABILITY

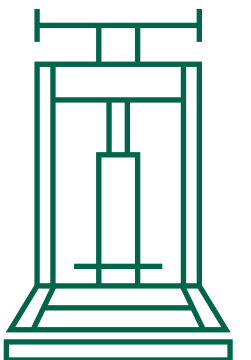
CAR FRAMES

Elevator car frames are among the most critical components of elevator systems, ensuring the safe movement of the cabin and forming the main load-bearing structure. Manufactured from high-durability steel construction, our frame systems play a vital role in delivering smooth, balanced, and long-lasting elevator operation.

As Avrasya, the car frame solutions we offer stand out with the following features:

- High tensile strength and precision manufacturing.
- Full compliance with international safety standards.
- Extended service life and maximum durability.

Developed to meet diverse project requirements, our products are engineered for easy installation and peak performance. Compatible with modern elevator systems, our car frames provide reliable and sustainable solutions for both new installations and modernization projects.



AHF 320

The **AHF - 320 Car Frame Model** is an optimized and reliable solution for low- to medium-scale elevator projects, featuring a **320 kg** load capacity and a 2:1 suspension system.

Offering a balanced and comfortable travel within a speed range of **0.15–0.25 m/s**, this model ensures safe, long-lasting use thanks to its robust steel structure.

With its compact dimensions, flexible shaft compatibility, and easy installation advantages, it delivers an efficient, economical, and durable car frame solution.



Model	AHF - 320
Suspension Ratio	2:1
Nominal Load (Max.)	320 kg
Car Weight (Max.)	300 kg
Car Frame Weight	145 kg
Nominal Speed	0.15 – 0.25 m/s
Minimum Pit Depth	200 mm
Minimum Headroom	2800 mm
Max. Total Car Height	2350 mm
Distance Between Guide (Min.)	600 – 700 mm
Sheave Diameter	320 mm
Guide Rail Type	9 mm
Rope Diameter	6.5 – 8 mm
Number of Ropes	4 pcs

AHF/S 320

The **AHF/S 320 Car Frame Model** is an ideal solution for low- to medium-rise elevator projects, thanks to its **320 kg** load capacity and compact structure.

Delivering stable and safe performance within a speed range of **0.15–0.25 m/s**, the model ensures a long service life with its durable steel construction and optimized weight balance.

Adapting to diverse project needs with a minimum headroom height of **2400 mm** and an external load capacity of **2200 mm**, the **AHF/S 320** stands out in safety, efficiency, and ease of installation.



Model	AHF/S - 320
Suspension Ratio	2:1
Nominal Load (Max.)	320 kg
Car Weight (Max.)	250 kg
Car Frame Weight	135 kg
Nominal Speed	0.15 – 0.25 m/s
Minimum Pit Depth	200 mm
Minimum Headroom	2400 mm
Max. Total Car Height	2200 mm
Distance Between Guide (Min.)	500 – 600 mm
Sheave Diameter	240 mm
Guide Rail Type	9 mm
Rope Diameter	6.5 mm
Number of Ropes	4 pcs

AEF 480

The **AEF-480 Car Frame Model** is a powerful, high-performance solution for medium-scale elevator projects, featuring a **480 kg** load capacity and a 2:1 suspension system.

While providing fast, balanced, and comfortable operation with its **0.63 m/s** speed capacity, it offers a safe and long-lasting structure with its robust steel construction. Thanks to its wide shaft compatibility and flexible dimension ranges, it easily adapts to different projects.

Combining durability, efficiency, and high performance, the **AEF-480** is an ideal car frame solution for modern elevator systems.



Model	AEF - 480
Suspension Ratio	2:1
Nominal Load (Max.)	480 kg
Car Weight (Max.)	450 kg
Car Frame Weight	195 kg
Nominal Speed	0.63 m/s
Minimum Pit Depth	1000 mm
Minimum Headroom	3000 mm
Max. Total Car Height	2350 mm
Distance Between Guide (Min.)	700 – 800 mm
Sheave Diameter	320 - 400 mm
Guide Rail Type	9 - 16 mm
Rope Diameter	6.5 – 8 mm
Number of Ropes	4 pcs

ALF 630

The **ALF - 630 Car Frame Model** is a powerful, high-performance solution for medium-scale elevator projects, featuring a **630 kg** load capacity and a 2:1 suspension system.

While providing fast, balanced, and comfortable operation with its **0.63 m/s** speed capacity, it offers a safe and long-lasting structure with its robust steel construction. Thanks to its wide shaft compatibility and flexible dimension ranges, it easily adapts to different projects.

Combining durability, efficiency, and high performance, the **ALF - 630** is an ideal car frame solution for modern elevator systems.



Model	ALF - 630
Suspension Ratio	2:1
Nominal Load (Max.)	630 kg
Car Weight (Max.)	550 kg
Car Frame Weight	250 kg
Nominal Speed	0.63 m/s
Minimum Pit Depth	1000 mm
Minimum Headroom	3000 mm
Max. Total Car Height	2350 mm
Distance Between Guide (Min.)	800 mm
Sheave Diameter	400 mm
Guide Rail Type	16 mm
Rope Diameter	10 mm
Number of Ropes	4 pcs

ALF 800

The **ALF - 800 Car Frame Model** is an optimized and reliable solution for low- to medium-scale elevator projects, featuring an **800 kg** load capacity and a 2:1 suspension system.

Offering a balanced and comfortable travel within a speed range of **0.63 m/s**, this model ensures safe, long-lasting use thanks to its robust steel structure.

With its compact dimensions, flexible shaft compatibility, and easy installation advantages, it delivers an efficient, economical, and durable car frame solution.



Model	ALF - 800
Suspension Ratio	2:1
Nominal Load (Max.)	800 kg
Car Weight (Max.)	750 kg
Car Frame Weight	300 kg
Nominal Speed	0.63 m/s
Minimum Pit Depth	1200 mm
Minimum Headroom	3000 mm
Max. Total Car Height	2350 mm
Distance Between Guide (Min.)	800 mm
Sheave Diameter	400 mm
Guide Rail Type	16 mm
Rope Diameter	10 mm
Number of Ropes	4 pcs

ALFD 1000

The **ALFD 1000** is an elevator car frame model designed for medium- to high-capacity elevator systems, standing out with its durability and technical compatibility.

Optimized specifically for projects with a **1000 kg** load capacity, this model offers a safe vertical transportation solution through its precise engineering details.



Model	ALFD - 1000
Suspension Ratio	2:1
Nominal Load (Max.)	1000 kg
Car Weight (Max.)	1250 kg
Car Frame Weight	400 kg
Nominal Speed	0.63 m/s
Minimum Pit Depth	400 mm
Minimum Headroom	3000 mm
Max. Total Car Height	2350 mm
Distance Between Guide (Min.)	800 mm
Sheave Diameter	400 mm
Guide Rail Type	9 - 16 mm
Rope Diameter	10 mm
Number of Ropes	4 + 4 pcs

MODULAR SWING DOOR OPERATORS

Let your door open automatically to the future.

Abrito is an innovative solution developed by Avrasya Elevator that transforms manual (semi-automatic) elevator doors into fully automatic door systems.

Modernizing existing door systems without the need for replacement, **Abrito** elevates comfort, safety, and ease of use in elevators to the highest level.

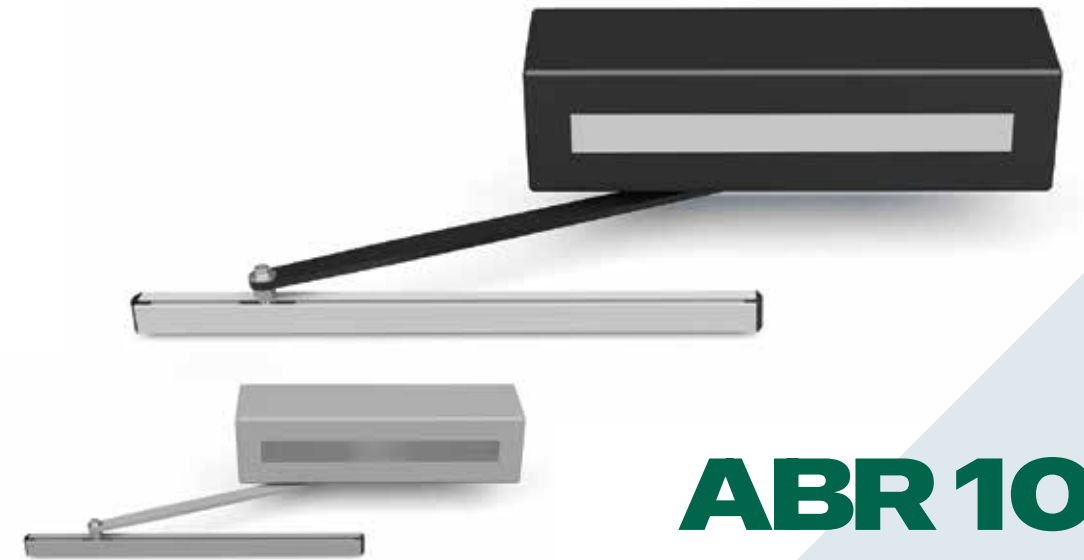
Application Areas:

- Applicable to All Swing Doors.
- Maximum Gate/Wing Weight: Usable up to 180 kg.
- Door Width: Applicable for Doors within the Range of 60 cm – 110 cm.
- Operating Voltage: 220 Volts.
- Operating Temperature: -30 / +50 Degrees

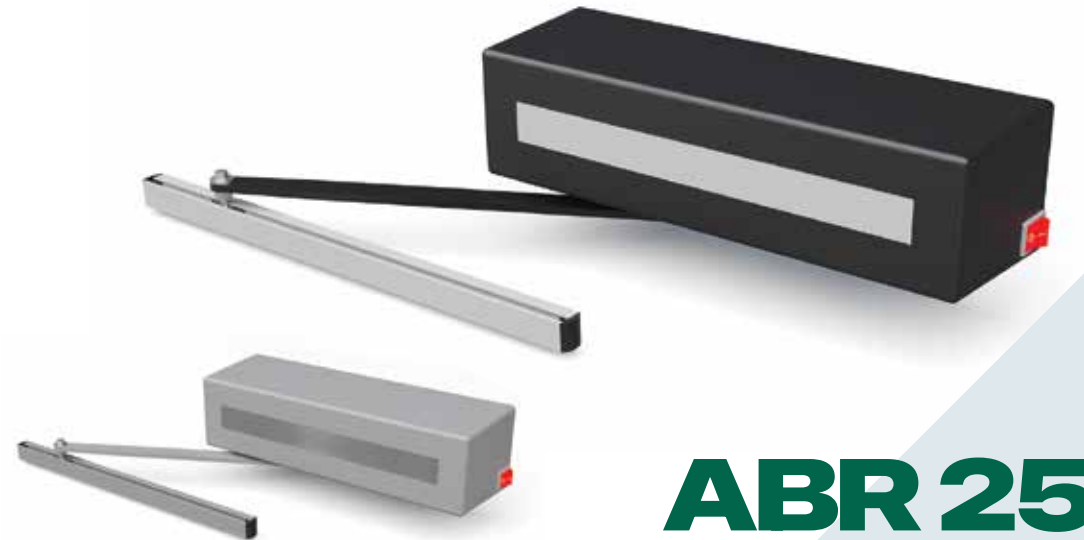
General Features:

- Suitable for Left / Right Hand Use
- Lock Output Available
- Visual Warning Light
- Audible Alert
- Photocell Output
- Adjustable Speed
- Adjustable Torque Setting
- Smart Display (For Easy Adjustment)
- Bidirectional Obstruction Detection Feature
- Wind Pressure Detection
- Obstruction Detection Feature
- Auto-Learning / Auto-Recognition

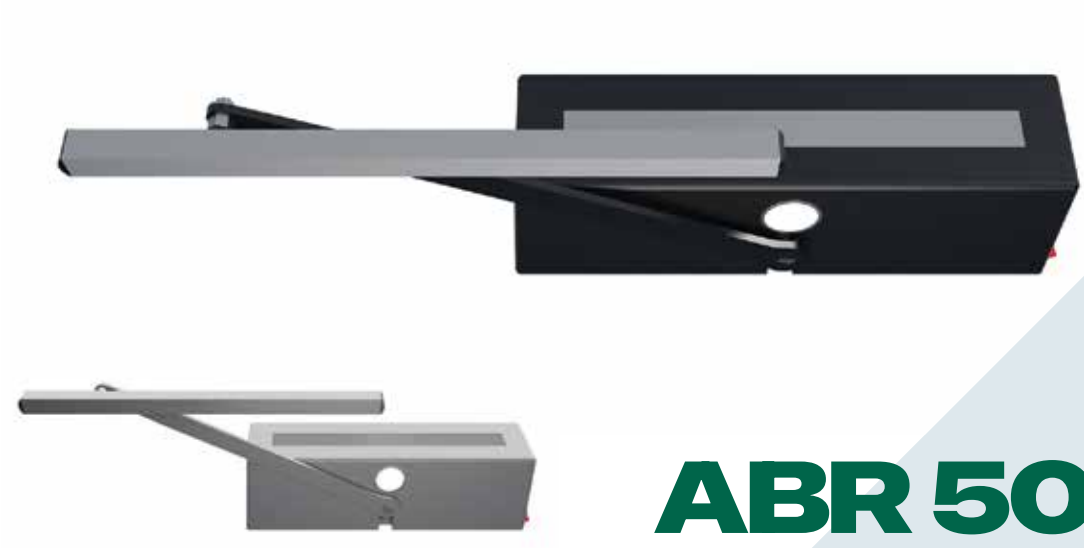
Specifications	ABR 100	ABR 250	ABR 500
Audible Alert ¹	✓	✓	✓
Visual Alert ²	✓	✓	✓
Push-Button Access ³	✓	✓	✓
Sensor Access ⁴		✓	✓
Keypad/PIN Access ⁵		✓	✓
Remote Control ⁶			✓



ABR 100



ABR 250



ABR 500

NORD

KATALOĞU İNCELEMELİK İÇİN
LÜTFEN KAREKOD'U
OKUTUN.



AVRASYA®

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