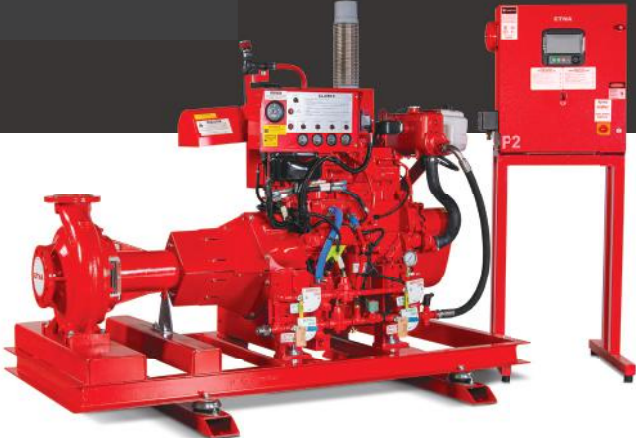




UL Listed and FM Approved Fire Pump Systems

✓ ETN UF Series





Experience

With our R&D, production and implementation experience of more than 46 years in the pump technologies field, we protect you and your investments without compromising from quality with our expert sales and after sales services.

We offer complete solutions for building pump systems with our wide product range including in-line wet and dry rotor circulation pumps, vertical multi stage centrifugal pumps, horizontal single stage end suction pumps, horizontal split case pumps, waste water and drainage pumps, waste water lifting units, booster systems for residential and commercial buildings, residential fire fighting booster systems, mobile fire extinguishing and flood discharging pumps and UL listed & FM approved fire fighting pump systems complying with EN 12845, NFPA 20 standards under the brand of ETNA. .

Green Engineering

By blending advanced pump features with innovative technologies, we offer high quality, reliable, energy efficient, environmentally friendly products to the industry and the end-users.

Continuing its activities with the vision of offering state of the art technology products, ETNA is preferred in prestigious projects in both Turkey and the world and is used with confidence.

ETNA Fire Pump Systems



UL Listed and FM Approved Fire Pump Systems

ETNA's UL Listed and FM Approved fire pumps are among the most powerful equipment for fire protection systems in the buildings such as residences, industrial facilities, schools, hospitals, airports, hotels, shopping malls and more!

Exact Answer to Your Needs

Our UL Listed and FM Approved sets consisting of high-performance and long-lasting pumps, motors, control panels and system accessories ensure the safety of your buildings and your beloved ones.



What is UL?

US-based Underwriters Laboratories Inc. (UL) is an independent product safety certification organization that sets standards for product reliability and tests the reliability of materials, products, structures, facilities, processes or systems based on these standards.

UL scientifically evaluates and tests construction materials, energy, fire systems, lighting, plastics and their components, wires and cables, sanitary fixtures, and water system components against electrical, fire and injury risks.

UL has approved approximately 20 billion products, developed more than 1,600 standards, and evaluated about 96,000 products since its establishment in 1894. UL offers test and certification services to its customers with its 170 laboratories located in 104 countries.

UL's official website (www.ul.com) includes a directory (UL Directory) with product certifications, in which all UL certified products and their manufacturers are available.

UL 448 Standard

The UL 448 standard defines design and test conditions of pumps used in fire systems. Although NFPA 20 standard for "Installation of Stationary Pumps for Fire Protection" underlies the UL 448, there are differences in the requirements of UL 448 and NFPA 20 standard.



What is FM?

Founded in 1835, the US-based FM Global (Factory Mutual Insurance Company) is an international insurance company that provides title insurance and risk management solutions.

FM Approvals is a department of FM Global that certifies industrial, commercial products and services for companies. FM Approvals is an international leader in third-party testing and certification services. In order to prevent property damage, it ensures that products and services meet the highest quality, technical integrity and performance standards for use in commercial and industrial facilities.

If a product or service complies with the standards of FM Approvals, then the product is marked with "FM APPROVED". A total of 45,000 types products and systems have been certified by FM so far, and these products are published in FM Approval Guide at www.approvalguide.com, which is the official website of FM.

Just like NFPA, FM has its own standards and although these standards are similar to each other, FM standards are stricter than NFPA standards. These standards are available at www.fmapprovals.com.

FM 1319 Standard

The FM 1319 contains test and approval conditions for horizontal end suction centrifugal fire pumps. The requirements in this standard are mainly based on the ANSI Hydraulic Institute (HI) and NFPA 20 standards.

**ETN UF Series**

UL Listed and FM Approved single-stage, end suction EA series fire pumps are delivered as a complete set with driver, control panel, pilot pump along with standard fire pump system accessories.

**ESC UL Series**

UL listed split case ESC series fire pumps are delivered as a complete set with driver, control panel, pilot pump along with standard fire pump system accessories.

End Suction Pumps

	Pump Model	Rated Capacity (GPM)	Size Suction - Discharge (DN)	"Net Rated Pressure Range (psi)"	"Net Rated Pressure Range (bar)"	"Speed (RPM)"	"Max Working Pressure (psi)"	"Max Working Pressure (bar)"
UL Listed and FM Approved	EA 65-26	250	80-65	94-133	6,5 - 9,2	2950	166	11,5
	EA 65-26	300	80-65	93-131	6,5 - 9,2	2950	166	11,5
	EA 65-26	400	80-65	90-128	6,2 - 8,8	2950	166	11,5
	EA 65-26	500	80-65	84-123	5,8 - 8,5	2950	166	11,5
	EA 80-32	500	100 - 80	127 - 196	8,8 - 13,5	2950	290	20,0
	EA 100-32	750	125 - 100	115 - 174	7,9 - 12,0	2950	290	20,0
	EA 100-32	1000	125 - 100	149 - 169	10,2 - 11,6	2950	290	20,0

Split Case Pumps

	Pump Model	Rated Capacity (GPM)	Size Suction - Discharge (DN)	"Net Rated Pressure Range (psi)"	"Net Rated Pressure Range (bar)"	"Speed (RPM)"	"Max Working Pressure (psi)"	"Max Working Pressure (bar)"
UL Listed	ESC 100-250	500	150-100	80-140	5,5 - 9,7	2900	232	16,0
	ESC 100-310	500	150-100	130-204	9,0 - 14,0	2900	290	20,0
	ESC 100-375	500	150-100	219-300	15,0 - 21,0	2900	400	27,6
	ESC 100-250	750	150-100	73-139	5,0 - 9,6	2900	232	16,0
	ESC 100-310	750	150-100	125-198	8,6 - 13,7	2900	290	20,0
	ESC 100-375	750	150-100	199-280	13,7 - 19,3	2900	400	27,6
	ESC 125-290	1000	125-200	101-177	7,0 - 12,2	2900	232	16,0
	ESC 125-365	1000	125-200	178-288	12,2 - 19,9	2900	348	24,0
	ESC 125-290	1250	125-200	97-175	6,7 - 12,0	2900	232	16,0
	ESC 125-365	1250	125-200	165-278	11,4 - 19,2	2900	348	24,0
	ESC 150-290	1500	150-250	98-155	6,8 - 10,7	2900	232	16,0
	ESC 150-360	1500	150-250	150-242	10,4 - 16,7	2900	320	22,1
	ESC 150-290	2000	150-250	94-149	6,5 - 10,3	2900	232	16,0
	ESC 150-360	2000	150-250	138-234	9,5 - 16,2	2900	320	22,1

1 gpm = 1/4,4 m3/h 1 psi = 1/14.5 bar

Design Features

- Pump performance tests meet the requirements of UL and FM standards.
- The main pump dimensions are based on DIN 24256.
- Pump flanges are designed in accordance with the ISO 7005 PN16 standard. Can optionally be produced as ANSI/ASME B16.1 Class 300.
- The single-suction enclosed impeller has been balanced against the axial load with wear rings and dynamically with bearings.
- Elements such as bolts and screws that come into contact with the water inside the pump are made of bronze or corrosion-resistant materials.

Scope of Delivery for ETN UF Series

- UL/FM listed diesel engine
- Electric motor in accordance with the IEC standards
- UL listed electric motor (optional)
- UL/FM approved electrical/diesel panel
- Jockey Pump

Material Specifications

- Pump Body : GGG40
- Impeller : Bronze (CuSn10)
- Shaft : AISI 420
- Sealing : Gland Packing
- Bearing : Long-Lasting, Greased, Closed Type

Accessories (UL/FM)

- Air Release Valve
- Casing Relief Valve
- Main Relief Valve
- Flow Meter (Optional)

Fields of Application

- Sprinkler systems
- Hydrant systems
- Foam extinguishing systems (monitor nozzles, foam generators etc.)

Pump Performance Conditions

UL listed and FM approved pumps are required to meet the conditions described below.

Flow Rate and Pressure:

The pressure value at 150% of pump's rated flow rate should not fall below 65% of the rated pressure value.

For example, a pump with a rated flow rate and a pressure head of 100 m³/h - 100 mSS should be able to meet a minimum flow rate of 100x1.5 = 150 m³/h and provide a minimum pressure head of 100x0.65 = 65 mSS at this flow rate.



Please contact us for information on optional features.

Closed Valve Pressure:

Closed valve value should not exceed 140% of rated pressure value.

For example, the pump with a rated pressure of 100 mSS should have a closed valve pressure lower than pressure head of 100x1.4 = 140 mSS.

Motor Power:

The rated motor power should be greater than the motor power required at 150% of the pump's rated flow rate.

General Properties of Electrical Control Panel

- Microprocessor-controlled
- Standard Nema 2 protected
- Pressure and event recorder
- Single operator for both isolating switch and circuit breaker
- Voltage and current display
- Surge arrester
- Test start button
- Compatible with auto transfer switch
- Emergency Start handle
- Start/Stop buttons
- Pressure transducers and test solenoid valve externally mounted
- Locked rotor protector
- Phase reversal indication
- Audible alarm
- Alarm contacts for remote monitoring
- Available with full voltage and reduced voltage starting

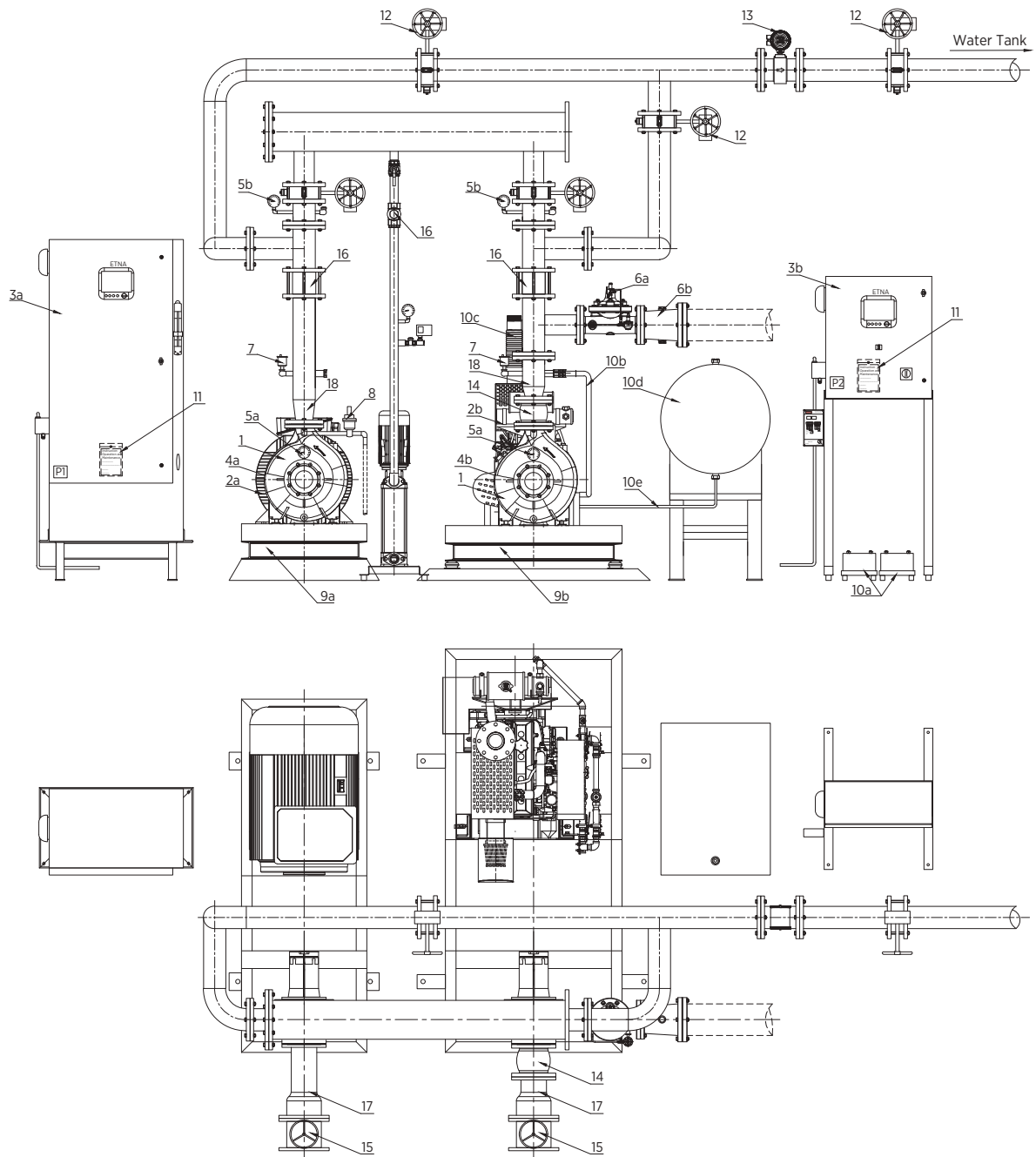


Please contact us for information on optional features.

General Properties of GDP Diesel Control Panel

- Microprocessor-controlled
- Standard Nema 2 protected
- Battery voltage and current display
- Pressure and event recorder
- Manual starter buttons
- Stop button
- Pressure transducers and run test solenoid valve externally mounted
- Audible alarm
- Alarm contacts for remote monitoring
- Weekly test timer
- Adjustable auto shut-off
- Sequential filling timer
- Programmable sequential start timer (delay start timer)

Overall View of Fire-Protection Water Pump Systems in accordance with NFPA Standards



1	Fire Pump
2a	Electric Motor
2b	Diesel Engine
3a	Electrical Pump Control Panel
3b	Diesel Pump Control Panel
4a	Flex Coupling
5a	Vacuum Meter
5b	Manometer
6a	Main Relief Valve
6b	Waste Cone
7	Air Release Valve
8	Casing Relief Valve

10a	Diesel Engine Batteries
10b	Cooling Line
10c	Exhaust Pipes and Silencer
10d	Fuel Tank
10e	Fuel Supply
12	Butterfly Valve with Supervisory Switch
13	Flow Meter
14	Compensator
15	OSY Valve
16	Check Valve
17	Eccentric Suction Reducer
18	Concentric Increaser

FM Certificate of Compliance

	<h2>Certificate of Compliance</h2> <p>This certificate is issued for the following:</p> <p>Centrifugal Fire Pumps (Horizontal, End Suction Type)</p> <p>Models EA 80-32 and EA 100-32 (see attached listing)</p> <p>Prepared for:</p> <p>ALP Pompa Teknolojileri A.Ş. Dudullu OSB. 2 Cad. No: 14 PK: 34775 Ümraniye – İstanbul Turkey</p> <p>FM Approvals Class: 1319 (January 2018)</p> <p>Approval Identification: PR453496 Approval Granted: March 12, 2020</p> <p>To verify the product continues to be Approved please refer to www.approvalguide.com.</p> <p>Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.</p> <p> David B. Fuller VP, Manager – Fire Protection FM Approvals 1151 Boston-Providence Turnpike Norwood, MA 02062</p>
 <small>Member of the FM Global Group</small>	<small>Page 1 of 2</small>

	<h2>Certificate of Compliance</h2> <p>This certificate is issued for the following:</p> <p>Centrifugal Fire Pumps (Horizontal, End Suction Type)</p> <p>EA 65-26</p> <p>Prepared for:</p> <p>ALP POMPA TEKNOLOJİLERİ A.Ş. Dudullu OSB 2 Cad No 14 Ümraniye, İstanbul 34775 Turkey</p> <p>Manufactured at:</p> <p>ALP POMPA TEKNOLOJİLERİ A.Ş. Dudullu OSB 2 Cad No 14 Ümraniye, İstanbul 34775 Turkey</p> <p>FM Approvals Class: 1319</p> <p>Approval Identification: PR468288 Approval Granted: 12 June 2024</p> <p>To verify the availability of the Approved product, please refer to www.approvalguide.com.</p> <p>Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.</p> <p> David Fuller VP - Manager of Fire Protection FM Approvals One Technology Way Norwood, MA 02062</p>
 <small>Member of the FM Global Group</small>	

UL Certificate of Compliance

16.11.2020

QWZU.EX28101 - Centrifugal Fire Pumps, End Suction | UL Product iQ

UL Product iQ™



QWZU.EX28101 - Centrifugal Fire Pumps, End Suction

Centrifugal Fire Pumps, End Suction

[See General Information for Centrifugal Fire Pumps, End Suction](#)

ALP POMPA (ETNA) TEKNOLOJILERI SAN. VE TIC. A.S.

EX28101

Dudullu OSB. 2.

Cad. No:14

34775 Ümraniye, -STANBUL TURKEY

Rated Capacity GPM	Size In.	Model Dsg	Rated Net Pressure Range psi	Approx Speed RPM	Max Working Pressure psi
500	4X3	EA 80-32	127 - 196	2950	290
750	5X4	EA 100-32	115 - 174	2950	290
1000	5X4	EA 100-32	149 - 169	2950	290

[Last Updated on 2020-06-18](#)

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UL Certificate of Compliance

29.08.2023 13:29

EA 65-26 | UL Product iQ

UL Product iQ®



Model EA 65-26

File Number: EX28101

COMPANY

Alp Pompa (ETNA) Teknolojileri San. Ve Tic. A.S.
 Dudullu OSB. 2.
 Cad. No:14
 Umraniye, Istanbul 34775 Turkey

MODEL INFO

EA 65-26
 Centrifugal Fire Pumps, End Suction

RATING DETAILS

Rated Capacity, GPM (L/Min)	Inlet Size, in.	Outlet Size, in.	Minimum Net Pressure Range, psig (kPa)	Maximum Net Pressure Range, psig (kPa)	Approx Speed, RPM	Max Working Pressure, psig (kPa)
250 (946)	3	2-1/2	94 (648)	133 (917)	2950	166 (1,144)
300 (1,136)	3	2-1/2	93 (641)	131 (903)	2950	166 (1,144)
400 (1,514)	3	2-1/2	90 (620)	128 (882)	2950	166 (1,144)
500 (1,892)	3	2-1/2	84 (579)	123 (848)	2950	166 (1,144)

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Feedback

UL Certificate of Compliance

19.08.2021

QXJY.EX28651 - Centrifugal Fire Pumps, Split Case | UL Product iQ

UL Product iQ™



QXJY.EX28651 - Centrifugal Fire Pumps, Split Case

Centrifugal Fire Pumps, Split Case

Alp Pompa (ETNA) Teknolojileri San. Ve Tic. A.S.

EX28651

Dudullu OSB. 2.

Cad. No:14

Ümraniye, ISTANBUL 34775 Turkey

Fire pumps, single stage

Rated Capacity (gpm)	Size (in.)	Model Dsg	Rated Net Pressure Range (psi)	Approx Speed (rpm)	Max Working Pressure (psi)
500	6x4	ESC100-250	80-140	2900	232
500	6x4	ESC100-310	130-204	2900	290
500	6x4	ESC100-375	219-300	2900	400
750	6x4	ESC100-250	73-139	2900	232
750	6x4	ESC100-310	125-198	2900	290
750	6x4	ESC100-375	199-280	2900	400
1000	8x5	ESC125-290	101-177	2900	232
1000	8x5	ESC125-365	178-288	2900	348
1250	8x5	ESC125-290	97-175	2900	232
1250	8x5	ESC125-365	165-278	2900	348
1500	8x6	ESC150-290	98-155	2900	232
1500	8x6	ESC150-360	150-242	2900	320
2000	8x6	ESC150-290	94-149	2900	232
2000	8x6	ESC150-360	138-234	2900	320

Last Updated on 2021-08-18

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