

S4 - S6 - SM8

UNI EN 12845 FIRE-FIGHTING SETS WITH SUBMERGED PUMPS



TECHNICAL DATA

Operating range: from 4 to 160 m³/h
Pumped liquid: clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water.
Pumped liquid temperature range: from -15 to 70 °C.
Maximum ambient temperature: + 25 °C
Maximum operating pressure: 16 bar (1600kPa) PN16
Special executions on request:
execution with joined cable available on request.

The control panels of the sets with submerged pumps are already fitted on base for quicker installation.

GENERAL DATA NOTES ON UNI EN 12845

UNI EN 12845, the Italian version of European Standard EN 12845, sets the design, installation and maintenance criteria for sprinkler systems. It replaces the earlier Italian standards UNI 9489 and UNI 9490. An automatic sprinkler system is designed to detect the presence of fire and extinguish it during the initial stages, or to keep flames under control until they can be extinguished fully using other means. The classic sprinkler system is composed of: a water source, a fire-fighting pump unit, a series of control valves, and a sprinkler circuit. In its basic execution, it consists of: one or more 4", 6", or 8" submerged electric pumps, plus the 4" compensation pump (jockey), if required.

COMPOSITION OF THE PUMP SETS

The pumps of UNI EN 12845 sets will have the same characteristics; in addition:

- if TWO pumps are installed, each pump must deliver the total system load (100 %),
- if THREE pumps are installed, each pump must deliver 50 % of the load required by the design.

NOTE:

In case of single water supply, there are no limitations on the number of electric pumps that can be installed. DAB provides "modular" type sets, so that all the versions contemplated by the UNI EN 12845 standard - OPERATION OF UNI EN 12845 FIRE-FIGHTING PUMP SETS - can be completed.

In normal conditions, (zero water request), the system is under static pressure. The first time there is a water request, the compensation pump activates (if present), reinstating the system pressure. In case of significant water request (or if no compensation pump is installed, or the sprinklers activate), the pressure drops until the two pressure switches connected in series activate the main pump. If the pressure continues to drop, further pumps activate in the same way.

Pressure switch calibration and operation example.

	Maximum pump pressure x 0,8	
Two-pump sets	Pump 1 Max pressure x 0,8	Pump 2 Max pressure x 0,6

E.g. Max pump pressure 10 bar - pump 1 starts at 8 bar, pump 2 starts at 6 bar

Once activated, the main pump continues to operate until it is manually stopped using the STOP pushbutton on the electric control panel. No protections for stops due to lack of water are permitted. In case of hydrant systems, refer to UNI 10779 - July 07. In addition to prescribing feed pumps in compliance with UNI EN 12845, UNI 10779 allows automatic stopping of the pumps 20 minutes after the closing of the hydrants, in case of non-permanently supervised operation. DAB pump sets are suitable for sprinkler systems with manual stop, and for hydrant systems with automatic stop.

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PRESSURE COMPENSATION PUMP - "JOCKEY"

The compensation pump (jockey) is a pump that intervenes when the collection of a small amount of water is required. This avoids pointless starts of the main pumps in case of small system leaks. DAB fire-fighting sets are available with and without jockey pump.

The compensation pump must be installed at the delivery manifold, and includes:

- ball valve on the suction,
- check ball valve on the delivery,
- control pressure switch,
- 20 litre expansion vessel.
- control and protection panels

CONSTRUCTION FEATURES

In the standard versions, the configurations are with multistage centrifugal submerged electric pumps for 4", 6", or 8" wells.

CONSTRUCTION FEATURES OF THE 4" PUMPS

Multistage centrifugal type with radial or semi-axial impellers. Pump and motor directly coupled with rigid coupling. Technopolymer impellers with stainless steel wearing parts, fitted on floating clearance rings made of synthetic low abrasion material, and technopolymer diffusers that impart significant wear resistance to the pump. Pump liner, shaft and coupling, strainer and cable sheath in stainless steel. Base support and upper head in microcast AISI 304 stainless steel; steel check valve incorporated in the head (to be removed for horizontal installation).

CONSTRUCTION FEATURES OF THE 6" PUMPS

Motor and delivery body support in rust-proof spheroidal cast iron (Niresist D2B). Bottom support sized according to NEMA 6" standard. Check valve incorporated in the delivery support (to be removed for horizontal installation) Bushing bearings: bronze - rubber. Completely protected splined shaft (AISI 420). Wear rings, stage box, cable sheath, suction grid in stainless steel (AISI 304). Noryl impellers and diffusers.

CONSTRUCTION FEATURES OF THE 8" PUMPS

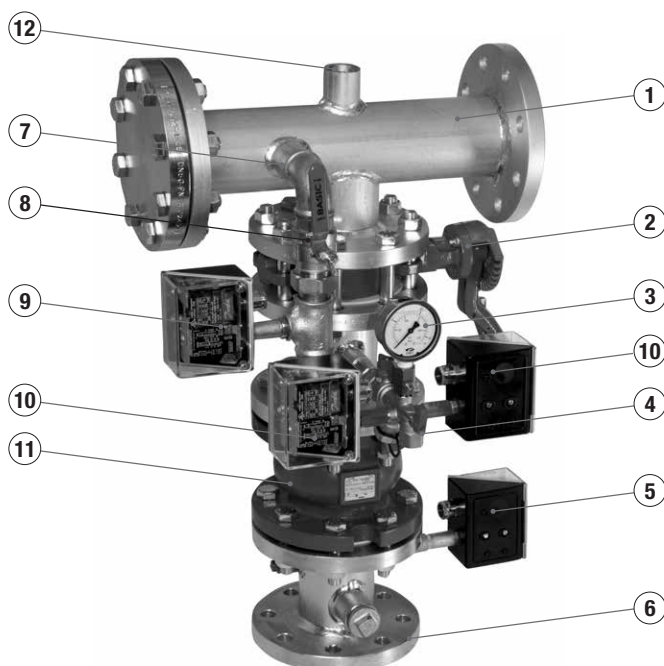
Multistage semiaxial submersible electric pumps for wells measuring 8" or above, able to generate a broad range of flow rates and heads. Pump body in cast iron with paint coating, impellers in cast iron. Dynamically balanced impellers coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes. Pump with low pressure loss check valve (to be removed for horizontal installations). Threaded delivery port with reduced flange. Possible horizontal installation.

HYDRAULIC SECTION

Pre-assembled manifold with:

flanged connection for each pump, pressure gauge, pump running notification pressure switch, check valve, butterfly shut-off valve, galvanised steel delivery manifold with pressure gauges and two pump start pressure switches, pressure switch test circuit, expansion vessel (in case of jockey pump).

NOTE: electric and hydraulic connections not supplied by DAB Pumps



REF.	DESCRIPTION	S4"	S6"	SM8"
1	Delivery manifold	DN 50	DN 80	DN 100
2	Butterfly shut-off valve	DN50 PN16	DN80 PN16	DN100 PN16
3	Radial pressure gauge	0-16 bar D=63		
4	Pressure switch manual test valve	-		
5	Running pump pressure switch	KPI36 2-12bar ¼"M		
6	DNA adaptor	DN 50	DN 80	DN 100
7	Jockey pump connection manifold	1"		
8	Jockey pump shut-off valve (version with jockey pump only)	1"		
9	Jockey pump pressure switch (version with jockey pump only)	KPI36 2-12bar ¼"M		
10	Main pump start pressure switches	KPI36 2-12bar ¼"M (x2)		
11	Non-return valve	DN50 PN16	DN80 PN16	DN100 PN16
12	Expansion vessel manifold (version with jockey pump only)	1"		

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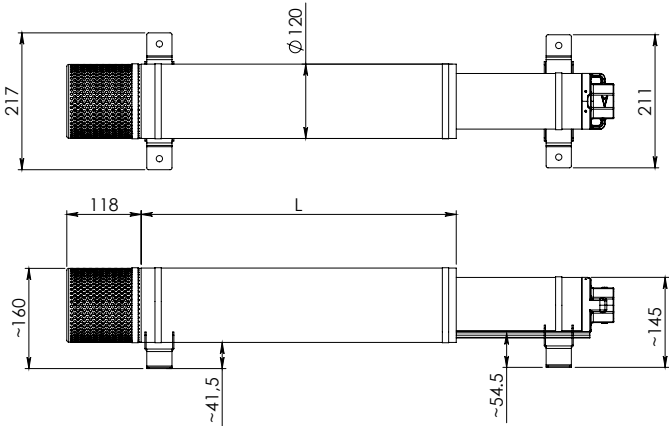
UNI EN 12845 FIRE-FIGHTING SETS WITH SUBMERGED PUMPS

COOLING LINERS FOR 4" SUBMERSIBLE PUMP

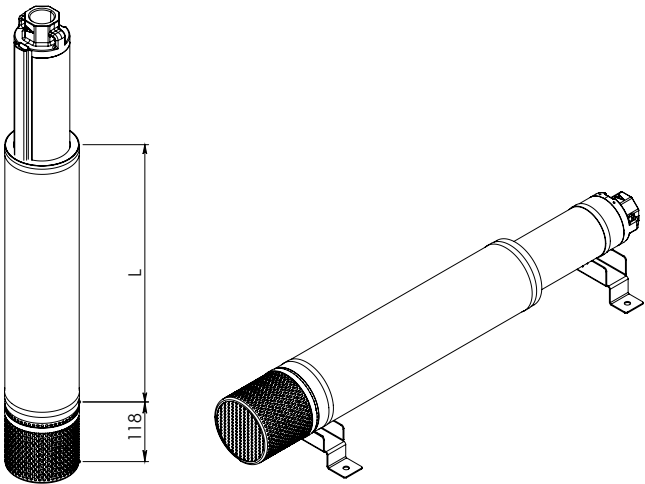
For horizontal installation and/or inside tanks, a cooling liner must be used to safeguard the motor.

Kit of cooling liners of different lengths, used to ensure perfect cooling of the 4" motor in case of installation inside tanks or containers, or in any location where a minimum cooling flow on the motor cannot be guaranteed.
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.

POWER INPUT 50 Hz	MOTOR POWER		MOTOR TYPE			
	HP	KW	4GG - 4GX	40L	4TW	
SINGLE-PHASE	0,5	0,37	L400 PIPE KIT	L400 PIPE KIT	L525 PIPE KIT	
	0,75	0,55				
	1	0,75			L885 PIPE KIT	
	1,5	1,1	L525 PIPE KIT	L525 PIPE KIT		
	2	1,5		L885 PIPE KIT		
	3	2,2				
	5	3,7	L885 PIPE KIT			



THREE-PHASE	0,5	0,37	L400 PIPE KIT	L400 PIPE KIT
	0,75	0,55		
	1	0,75		
	1,5	1,1		
	2	1,5	L525 PIPE KIT	L525 PIPE KIT
	3	2,2		L885 PIPE KIT
	4	3		
	5,5	4		
	7,5	5,5		
	10	7,5		



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UNI EN 12845 FIRE-FIGHTING SETS WITH SUBMERGED PUMPS

FIRE-FIGHTING PUMP SETS

COOLING LINERS FOR 6" SUBMERGED PUMP

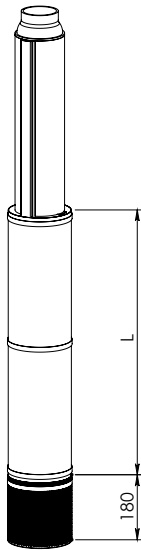
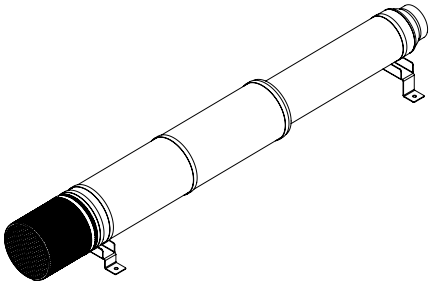
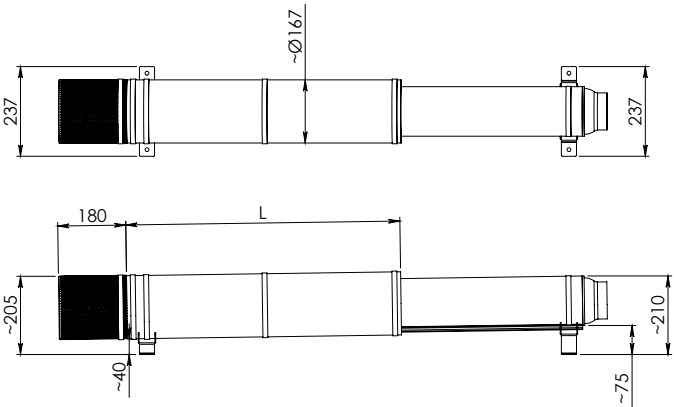
For horizontal installation and/or inside tanks, a cooling liner must be used to safeguard the motor.

Kit of cooling liners of different lengths, used to ensure perfect cooling of the 6" motor in case of installation inside tanks or containers, or in any location where a minimum cooling flow on the motor cannot be guaranteed.

The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.

SUITABLE FOR USE ON S6, SR6 E SM6 ELECTRIC PUMPS COUPLED WITH 6" MOTOR.

POWER INPUT 50 Hz	MOTOR POWER		MOTOR TYPE	
	HP	kW	6GF-6GX	TR6
THREE-PHASE	5,5	4	725 PIPE KIT	960 PIPE KIT
	7,5	5,5		
	10	7,5		
	12,5	9,3		
	15	11	960 PIPE KIT	1220 PIPE KIT
	17,5	13		
	20	15		
	25	18,5		
	30	22	1220 PIPE KIT	1490 PIPE KIT
	35	26		
	40	30		
	50	37		



in order to determine the cooling flow speed v [m/s] along the motor liner, the following formula can be used:

$$v = \frac{Q}{\pi \cdot \left(\frac{D^2}{4} - \frac{d^2}{4} \right)}$$

On the other hand, in order to determine the correct diameter of the cooling liner, to ensure that the minimum required cooling flow condition is met at a certain pump flow level, the following formula can be used:

$$D = \sqrt{4 \cdot \left(\frac{Q}{v \cdot \pi} + \frac{d^2}{4} \right)}$$

Q [m³/s] = flow at the point of operation of the electric pump.
 D [m] = well diameter.
 d [m] = motor diameter.
 v [m/s] = cooling flow speed.

ELECTRIC PUMP CONTROL PANEL

UNI EN 12845 FIRE-FIGHTING PUMP SETS



TECHNICAL DATA

Nominal power input voltage: 400 V +/- 5%

Phases: 3

Frequency: 50-60 Hz

Number of pumps that can be connected: 1

Maximum nominal power of use:

from 3 to 110 kW (depending on model).

Maximum nominal current of use: from 10 Amp to 250 Amp.

Ambient temperature operation limits: from +4 °C to +40 °C.

Relative humidity (without condensation):

50% at 40 °C MAX (90% a 20 °C)

Max. altitude: 3000 m (a.s.l.).

Protection class: IP55

Control panel construction:

According to EN60204, EN 60439-1, and UNI EN 12845/10779.

COMPONENTS

The control and protection panel includes the following components

INTERIOR OF CABINET

Connector for the powering of a GSM Modem (230 V, protected by fuse).

Motor protection fuses (aM type); current surge relay-motor protectors are not permitted by the standard.

Auxiliary circuit protection fuses (Gg type).

Direct pump starters (up to 7,5 kW).

Star/triangle starters (11 kW and over).

24 V auxiliary circuit transformers.

Alarm relay with terminal box for remote status control (as required by the UNI EN 12845 standard).

System start-up input connection terminal box.

ON FRONT PANEL

Electric pump control unit with:

Multifunction instrument with display (voltmeter, ammeter, cosfi metre, wattmeter, alarms and status).

Start and stop pushbuttons.

Status and alarm notification lamps.

Alarm/notification lamp test pushbutton.

0 - 1 selector (0 = automatic disabled; 1 = automatic on), key removable only for position one (AUTOMATIC ON).

REMOTELY CONTROLLED ALARMS:

Voltage present.

Phase sequence.

Pump start request from the pressure switches.

Pump start request from priming tank.

Pump in operation.

Start failed.

The above alarms can be remotely controlled in the following ways:

With relay wiring to the CSR-1 control panel (optional).

With RS-485 wiring to the CSR-1 control panel (optional).

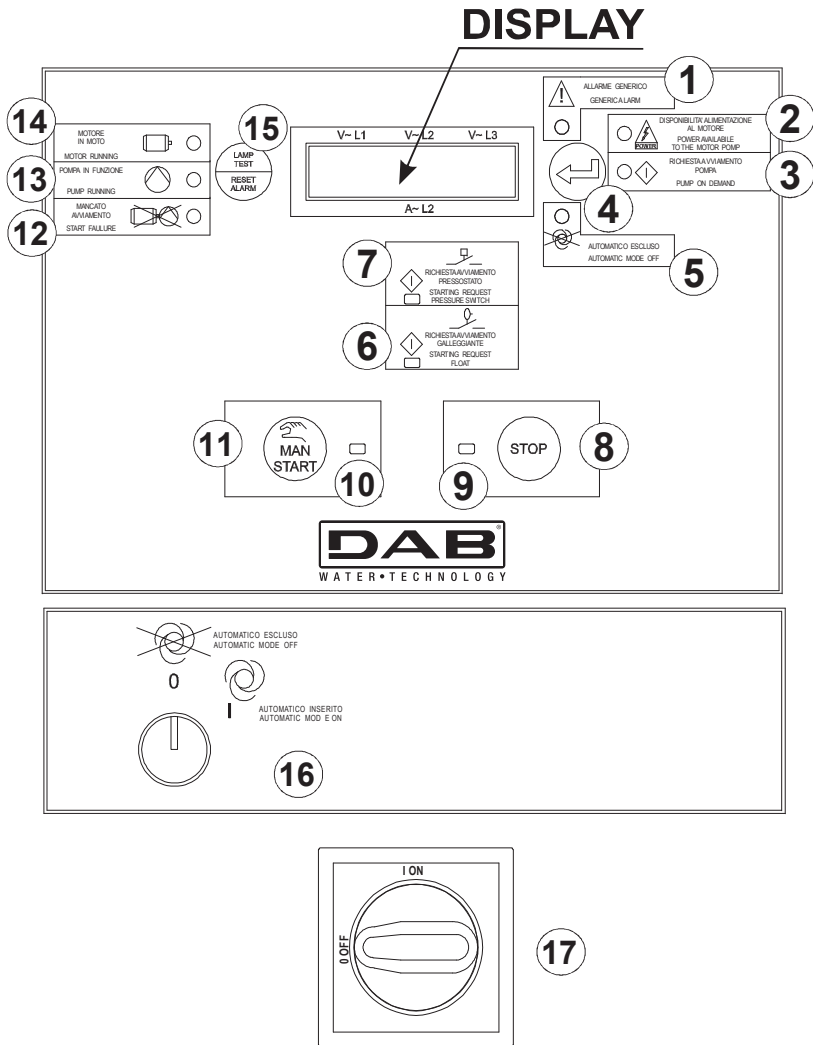
With GSM Modem inside the cabinet, for forwarding status and/or alarm signals (optional).

ELECTRIC PUMP CONTROL PANEL

UNI EN 12845 FIRE-FIGHTING PUMP SETS

ELECTRIC PUMP CONTROL UNIT

The A1 electronic control unit supplied with the control panel offers the following features: automatic start from the pressure switches or the priming float switch, manual start, automatic monitoring of pump set faults and incorrect or unavailable power input voltage.



**ALIMENTAZIONE DELLA POMPA SPRINKLER
NON SPEGNERE IN CASO DI INCENDIO**

**SPRINKLER PUMP MOTOR SUPPLY
NOT TO BE SWITCHED OF IN THE EVENT OF FIRE**

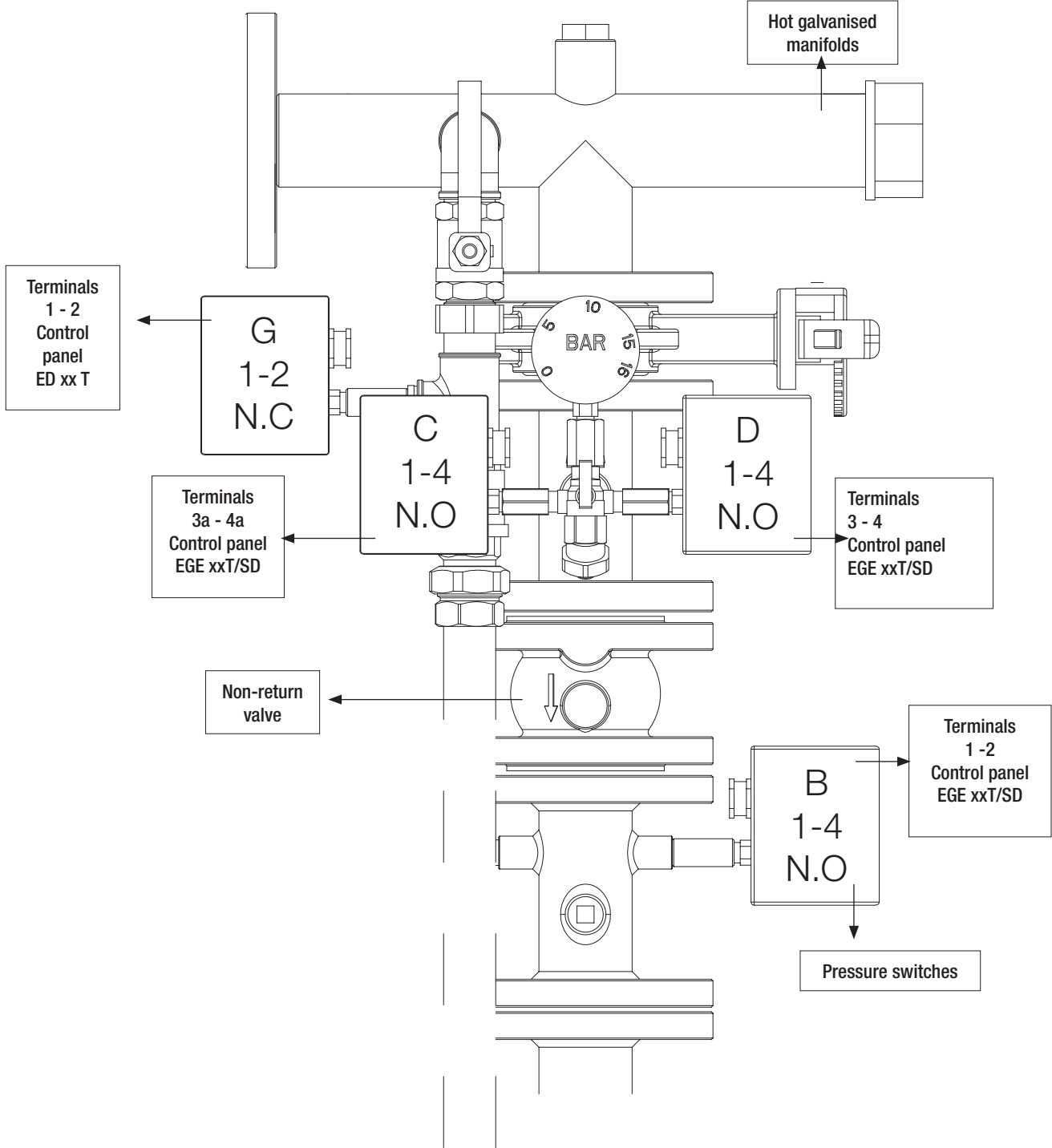
REF.	FUNCTION
1	LAMP - Generic alarm
2	LAMP - Power input to the motor detected
3	LAMP - Pump START request
4	Press to display the instruments
5	LAMP - Automatic start disabled
6	LAMP - START request from the priming tank float switch
7	LAMP - START request (call) from the pressure switches
8	MANUAL STOP pushbutton
9	LAMP - MANUAL STOP with STOP pushbutton notification

REF.	FUNCTION
10	LAMP - MANUAL START with MAN START pushbutton notification
11	MANUAL START pushbutton
12	LAMP - Start failed
13	LAMP - ELECTRIC PUMP RUNNING with motor running; detected by the electric pump running pressure switch
14	LAMP - MOTOR RUNNING; controlled by the ammeter detection
15	Reset lamp test pushbutton
16	Automatic mode disabling selector
17	Power input disconnection switch

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CONNECTION OF PRESSURE SWITCHES AND PUMP MOTOR TO THE CONTROL PANEL



CABLE CONNECTION SEQUENCE FOR SUBMERGED PUMPS WITH START:

DIRECT (DOL)		
MOTOR POWER UP TO 7,5 KW	EGEXX T CONTROL PANEL TERMINAL BOX	SUBMERGED ELECTRIC PUMP CABLE COLOUR
	U1	BLACK
	V1	BLUE or GREY
	W1	BROWN

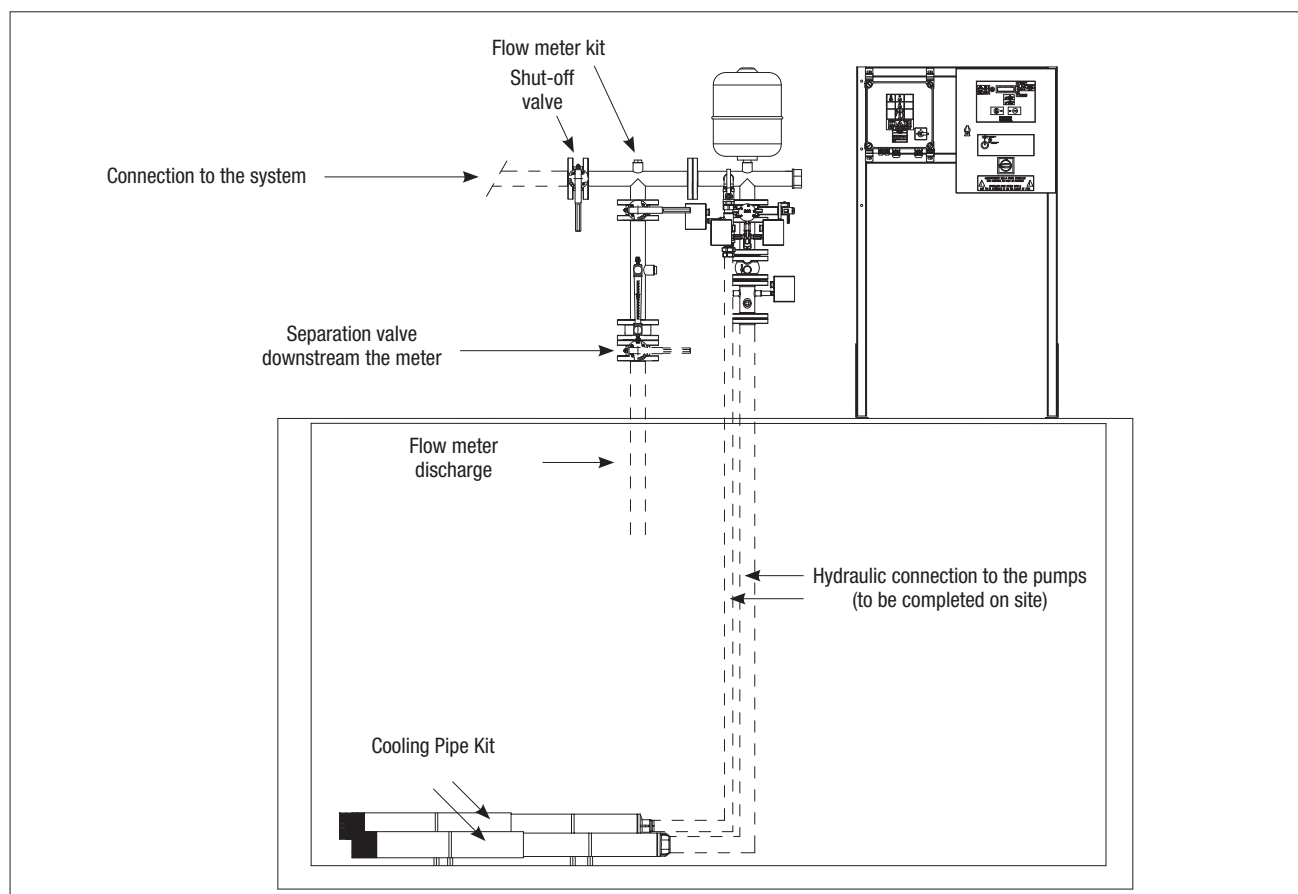
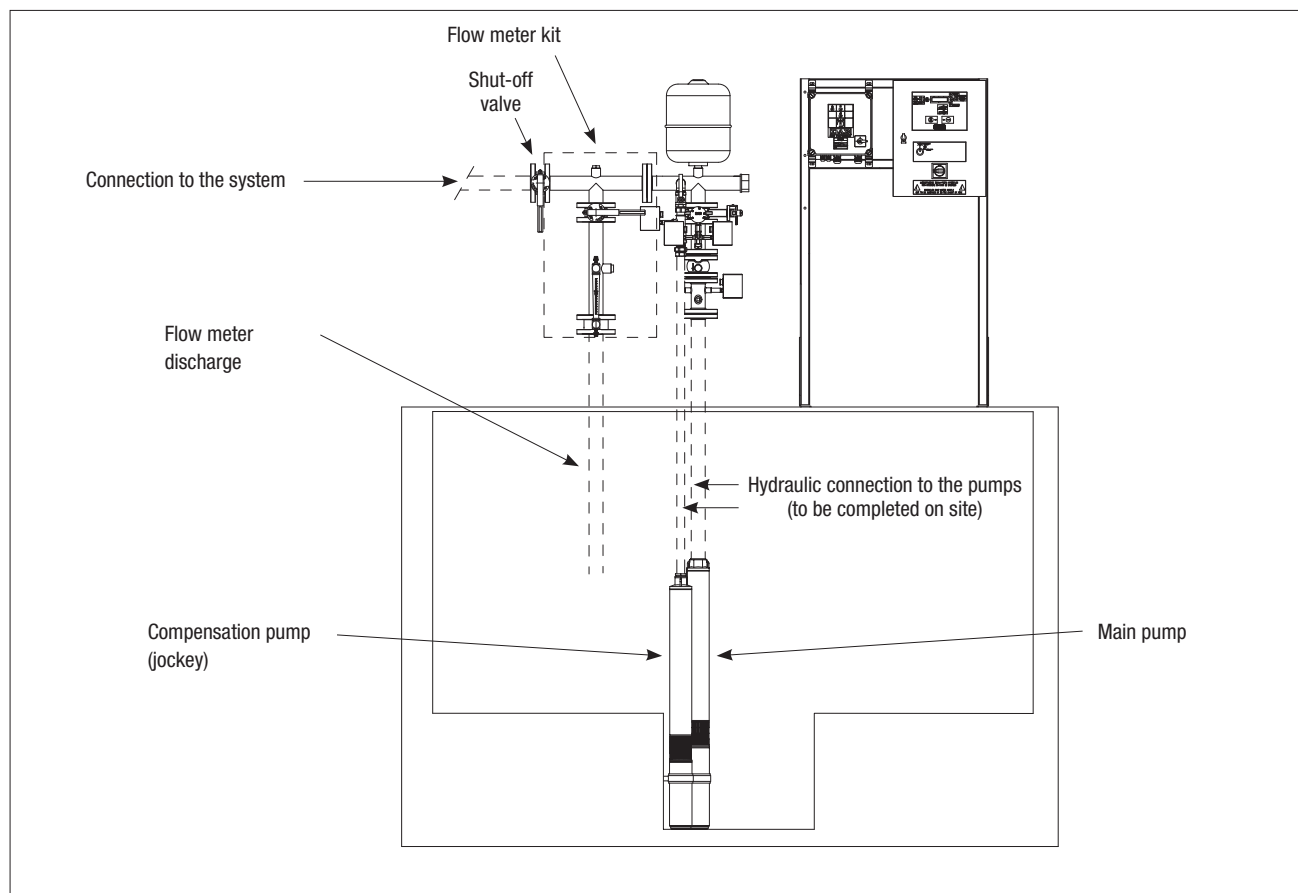
STAR/TRIANGLE		
MOTOR POWER OVER TO 7,5 KW	EGEXX T SD CONTROL PANEL TERMINAL BOX	SUBMERGED ELECTRIC PUMP CABLE COLOUR
	U1	BLACK
	V1	BLUE or GREY
	W1	BROWN
	U2	BROWN
	V2	BLACK
	W2	BLUE or GREY

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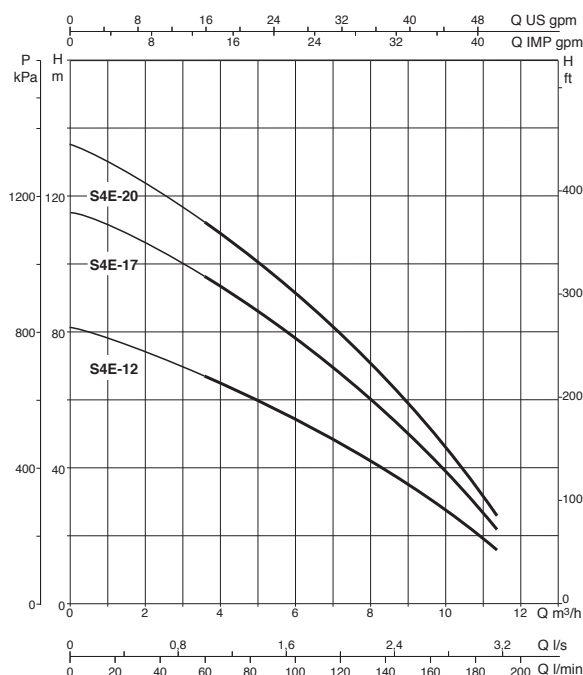
EXAMPLES OF CONFIGURATION OF A TWO-PUMP SET WITH JOCKEY PUMP AND FLOW RATE METER

Although not strictly necessary, for installation inside tanks or similar, we still recommend the use of cooling liners.



S4 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 11 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 S4E SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S4E 12 T 400/50 EN 12845	3 x 400 50 Hz	1.5	2	4.4	EGE 3T 400/50-60	11	8	6.5
1 S4E 17 T 400/50 EN 12845	3 x 400 50 Hz	2.2	3	5.9	EGE 3T 400/50-60	11	11.4	9
1 S4E 20 T 400/50 EN 12845	3 x 400 50 Hz	2.2	3	5.9	EGE 3T 400/50-60	11	13.5	11

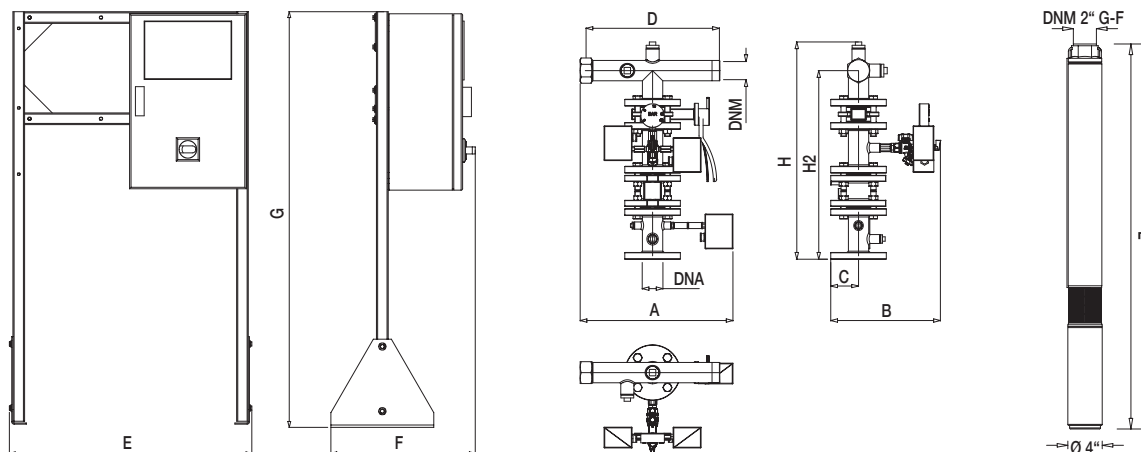
SETS WITH 1 S4E SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S4E 12 T 400/50 EN 12845 - S4C 19T	3 x 400 50 Hz	1.5	2	4.4	EGE 3T 400/50-60	11	8	6.5
	3 x 400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1 S4E 17 T 400/50 EN 12845 - S4C 25T	3 x 400 50 Hz	2.2	3	5.9	EGE 3T 400/50-60	11	11.4	9
	3 x 400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *
1 S4E 20 T 400/50 EN 12845 - S4C 25T	3 x 400 50 Hz	2.2	3	5.9	EGE 3T 400/50-60	11	13.5	11
	3 x 400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

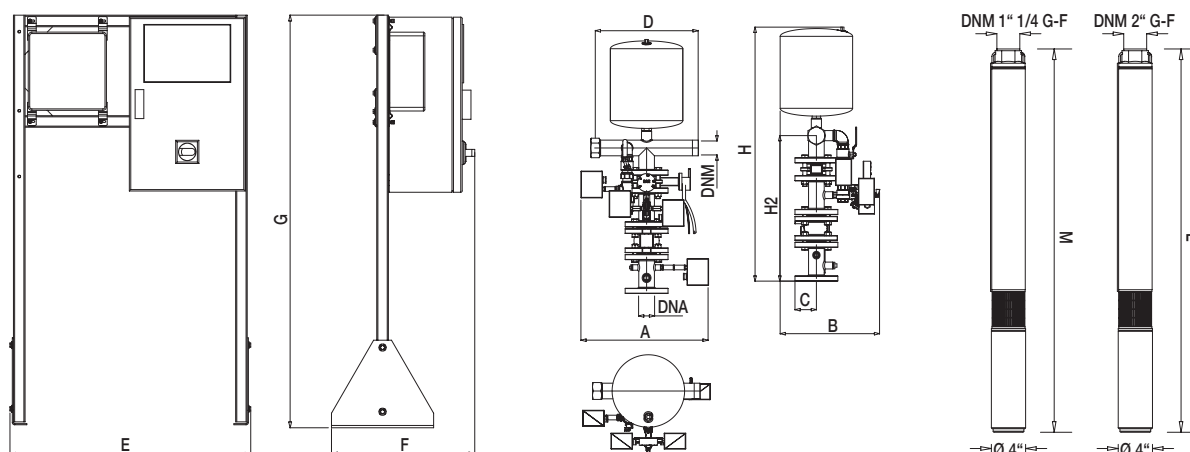
* Jockey pump

S4 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



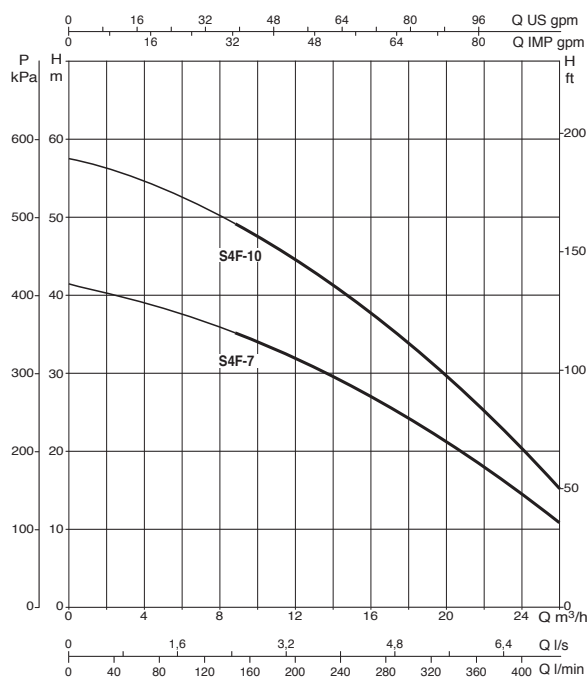
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (bpxh)	WEIGHT kg
1 S4E 12 T 400/50 EN 12845	455	325	83	395	830	490	1415	645	560	1163	-	50	50	1000x1400x2200	137
1 S4E 17 T 400/50 EN 12845	455	325	83	395	830	490	1415	645	560	1502	-	50	50	1000x1400x2200	142
1 S4E 20 T 400/50 EN 12845	455	325	83	395	830	490	1415	645	560	1894	-	50	50	1000x1400x2200	145
1 S4E 12 T 400/50 EN 12845 - S4C 19T	490	385	83	395	830	490	1415	980	560	1163	1086	50	50	1000x1400x2200	172
1 S4E 17 T 400/50 EN 12845 - S4C 25T	490	385	83	395	830	490	1415	980	560	1502	1343	50	50	1000x1400x2200	180
1 S4E 20 T 400/50 EN 12845 - S4C 25T	490	385	83	395	830	490	1415	980	560	1894	1343	50	50	1000x1400x2200	185

S4 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 27 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 S4F SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S4F 7 T 400/50 EN 12845	3 x 400 50 Hz	2.2	3	5.9	EGE 3T 400/50-60	27	4	3
1 S4F 10 T 400/50 EN 12845	3 x 400 50 Hz	3	4	8.3	EGE 3T 400/50-60	27	5.8	4.5

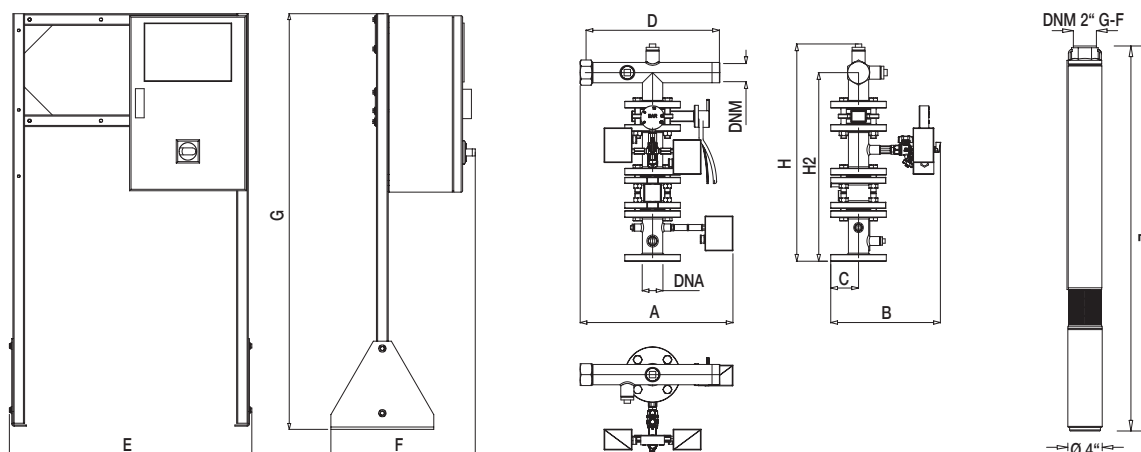
SETS WITH 1 S4F SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S4F 7 T 400/50 EN 12845 - S4C 13T	3 x 400 50 Hz	2.2	3	5.9	EGE 3T 400/50-60	27	4	3
	3 x 400 50-60 Hz *	0.75 *	1 *	2.4 *	ED 2.5T (108320350) *	4.2 *	7.1 *	6 *
1 S4F 10 T 400/50 EN 12845 - S4C 13T	3 x 400 50 Hz	3	4	8.3	EGE 3T 400/50-60	27	5.8	4.5
	3 x 400 50-60 Hz *	0.75 *	1 *	2.4 *	ED 2.5T (108320350) *	4.2 *	7.1 *	6 *

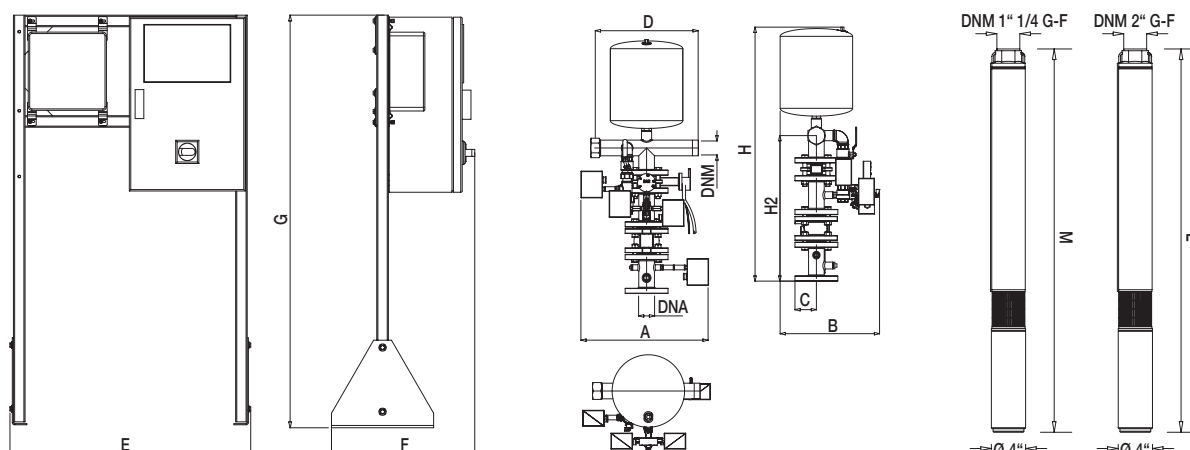
* Jockey pump

S4 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



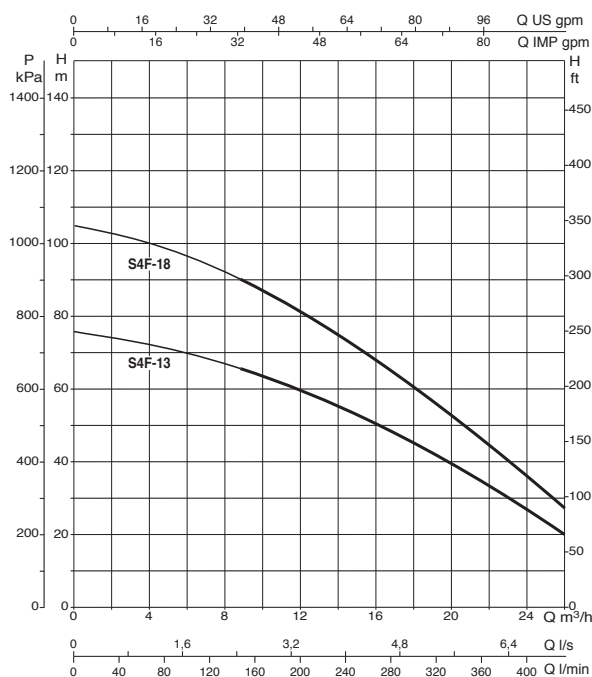
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (b x p x h)	WEIGHT kg
1 S4F 7 T 400/50 EN 12845	455	325	83	395	830	490	1415	645	560	1079	-	50	50	1000x1400x2200	125
1 S4F 10 T 400/50 EN 12845	455	325	83	395	830	490	1415	645	560	1491	-	50	50	1000x1400x2200	129
1 S4F 7 T 400/50 EN 12845 - S4C 13T	490	385	83	395	830	490	1415	980	560	1079	871	50	50	1000x1400x2200	185
1 S4F 10 T 400/50 EN 12845 - S4C 13T	490	385	83	395	830	490	1415	980	560	1491	871	50	50	1000x1400x2200	190

S4 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 27 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 S4F SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S4F 13 T 400/50 EN 12845	3 x 400 50 Hz	4	5.5	10	EGE 5.5T 400/50-60	27	7.6	6
1 S4F 18 T 400/50 EN 12845	3 x 400 50 Hz	5.5	7.5	14	EGE 5.5T 400/50-60	27	10.4	8

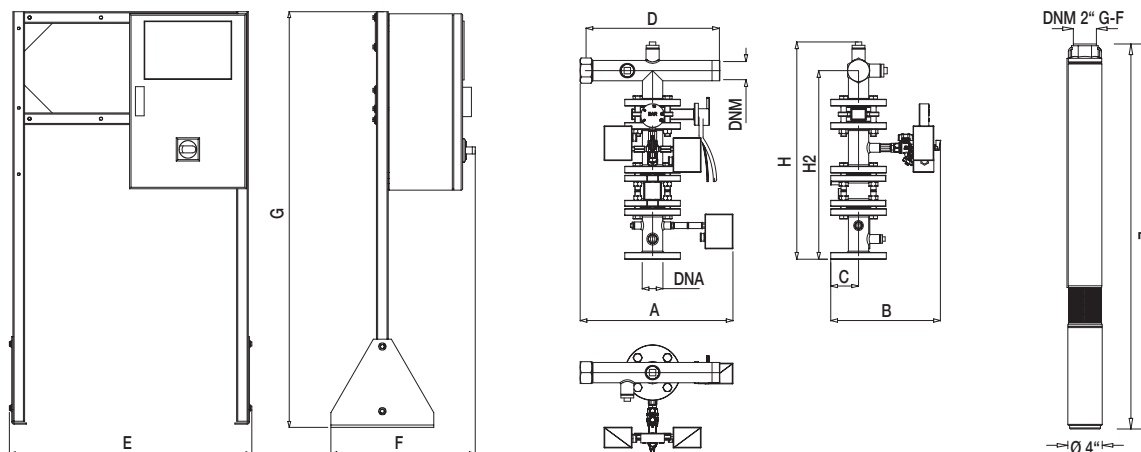
SETS WITH 1 S4F SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S4F 13 T 400/50 EN 12845 - S4C 19T	3 x 400 50 Hz	4	5.5	10	EGE 5.5T 400/50-60	27	7.6	6
	3 x 400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1 S4F 18 T 400/50 EN 12845 - S4C 25T	3 x 400 50 Hz	5.5	7.5	14	EGE 5.5T 400/50-60	27	10.4	8
	3 x 400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

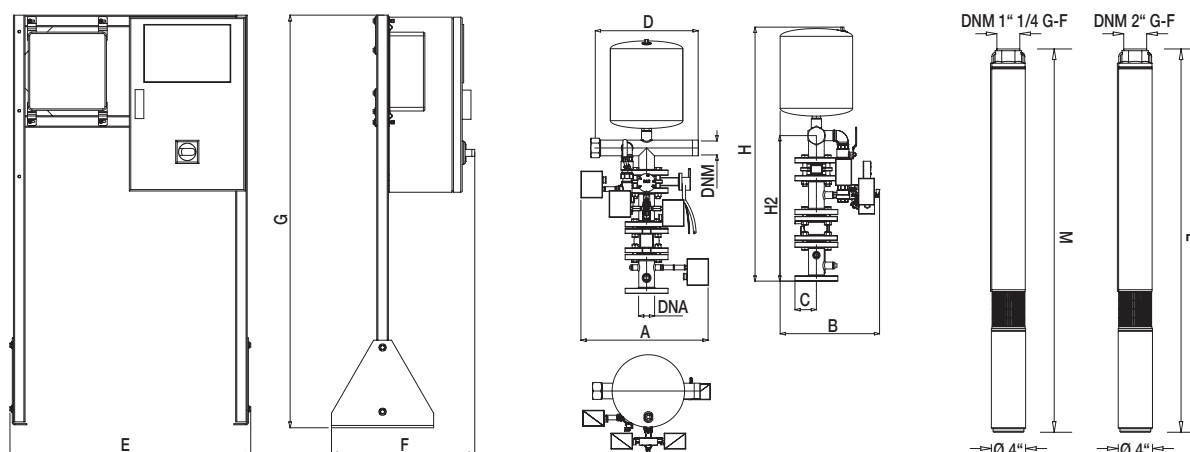
* Jockey pump

S4 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



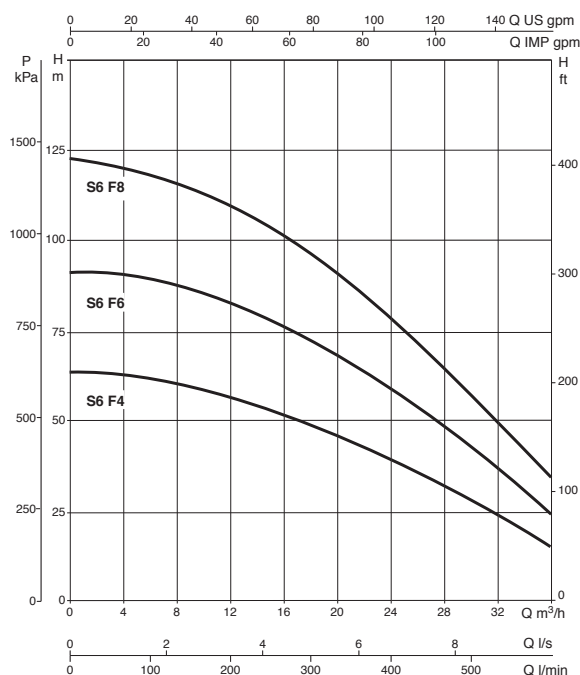
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (b x p x h)	WEIGHT kg
1 S4F 13 T 400/50 EN 12845	455	325	83	395	830	490	1415	645	560	1715	-	50	50	1000x1400x2200	153
1 S4F 18 T 400/50 EN 12845	455	325	83	395	830	490	1415	645	560	2156	-	50	50	1000x1400x2200	175
1 S4F 13 T 400/50 EN 12845 - S4C 19T	490	385	83	395	830	490	1415	980	560	1715	1086	50	50	1000x1400x2200	182
1 S4F 18 T 400/50 EN 12845 - S4C 25T	490	385	83	395	830	490	1415	980	560	2156	1343	50	50	1000x1400x2200	213

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 36 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 S6F SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6F 4 T 400/50 EN 12845	3 x 400 50 Hz	4	5.5	10.6	EGE 5.5T 400/50-60	36	6.1	4.5
1 S6F 6 T 400/50 EN 12845	3 x 400 50 Hz	5.5	7.5	14	EGE 5.5T 400/50-60	36	9.1	7
1 S6F 8 T 400/50 EN 12845	3 x 400 50 Hz	7.5	10	18	EGE 7.5T 400/50-60	36	12.2	9.5

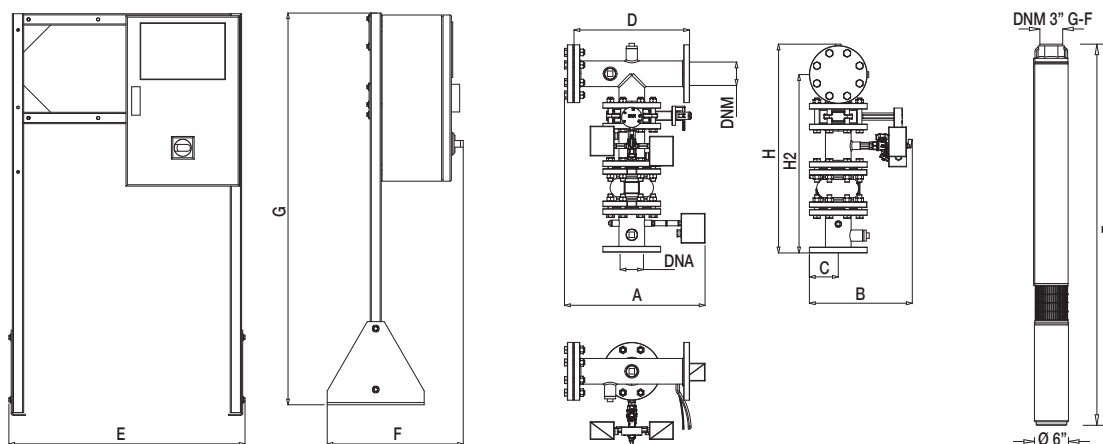
SETS WITH 1 S6F SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6F 4 T 400/50 EN 12845 - S4C 13T	3 x 400 50 Hz	4	5.5	10.6	EGE 5.5T 400/50-60	36	6.1	4.5
	3 x 400 50-60 Hz *	0.75 *	1 *	2.4 *	ED 2.5T (108320350) *	4.2 *	7.1 *	6 *
1 S6F 6 T 400/50 EN 12845 - S4C 19T	3 x 400 50 Hz	5.5	7.5	14	EGE 5.5T 400/50-60	36	9.1	7
	3 x 400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1 S6F 8 T 400/50 EN 12845 - S4C 25T	3 x 400 50 Hz	7.5	10	18	EGE 7.5T 400/50-60	36	12.2	9.5
	3 x 400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

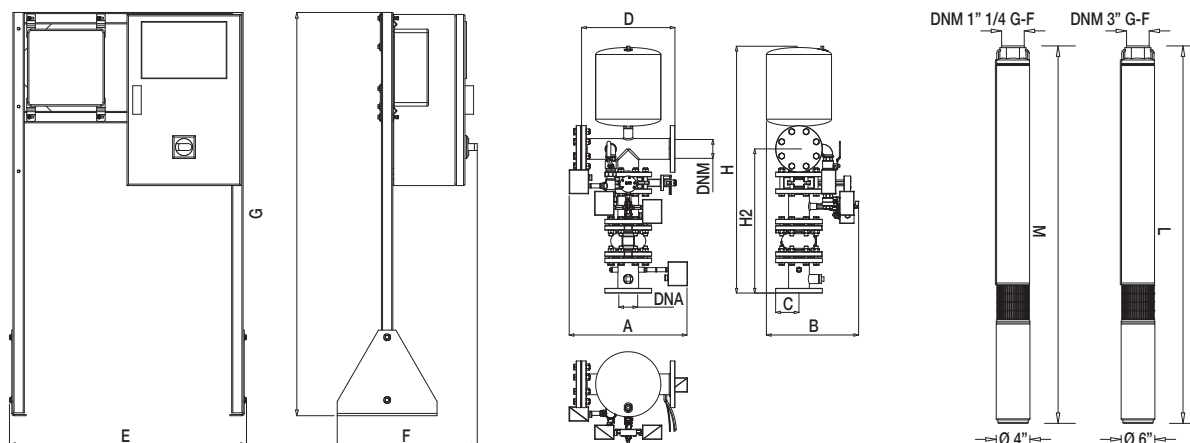
* Jockey pump

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



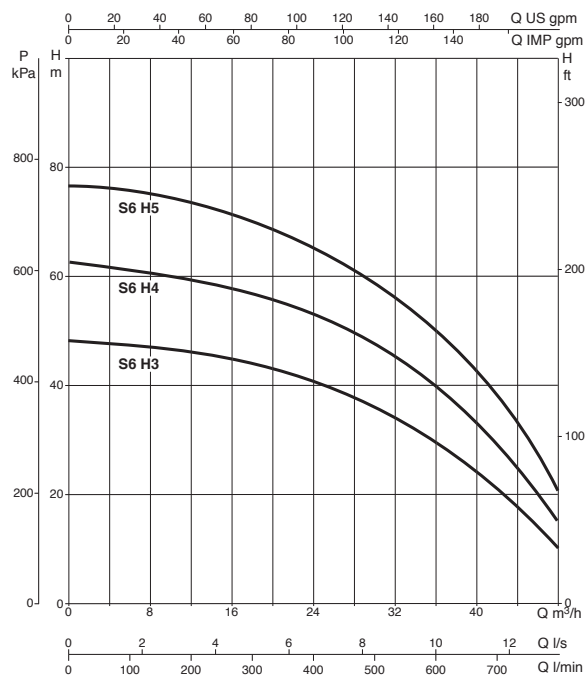
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (bpxph)	WEIGHT kg
1 S6F 4 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1111	-	80	80	1000x1400x2200	193
1 S6F 6 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1256	-	80	80	1000x1400x2200	202
1 S6F 8 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1398	-	80	80	1000x1400x2200	190
1 S6F 4 T 400/50 EN 12845 - S4C 13T	505	395	100	400	830	490	1415	1055	615	1111	871	80	80	1000x1400x2200	256
1 S6F 6 T 400/50 EN 12845 - S4C 19T	505	395	100	400	830	490	1415	1055	615	1256	1086	80	80	1000x1400x2200	235
1 S6F 8 T 400/50 EN 12845 - S4C 25T	505	395	100	400	830	490	1415	1055	615	1398	1343	80	80	1000x1400x2200	248

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 48 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 S6H SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6H 3 T 400/50 EN 12845	3 x 400 50 Hz	4	5.5	10.6	EGE 5.5T 400/50-60	48	4.8	3.5
1 S6H 4 T 400/50 EN 12845	3 x 400 50 Hz	5.5	7.5	14	EGE 5.5T 400/50-60	48	6.3	5
1 S6H 5 T 400/50 EN 12845	3 x 400 50 Hz	7.5	10	18	EGE 7.5T 400/50-60	48	7.8	6

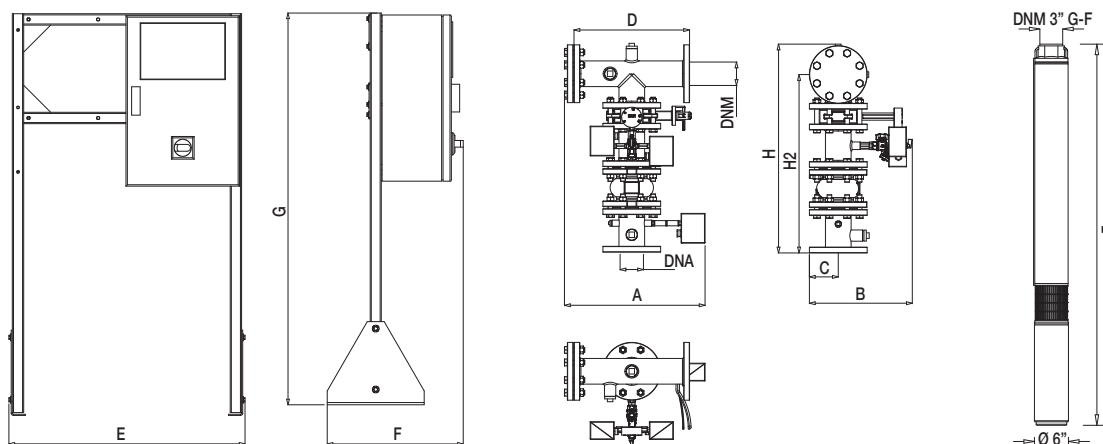
SETS WITH 1 S6H SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6H 3 T 400/50 EN 12845 - S4C 13T	3 x 400 50 Hz	4	5.5	10.6	EGE 5.5T 400/50-60	48	4.8	3.5
	3 x 400 50-60 Hz *	0.75 *	1 *	2.4 *	ED 2.5T (108320350) *	4.2 *	7.1 *	6 *
1 S6H 4 T 400/50 EN 12845 - S4C 13T	3 x 400 50 Hz	5.5	7.5	14	EGE 5.5T 400/50-60	48	6.3	5
	3 x 400 50-60 Hz *	0.75 *	1 *	2.4 *	ED 2.5T (108320350) *	4.2 *	7.1 *	6 *
1 S6H 5 T 400/50 EN 12845 - S4C 19T	3 x 400 50 Hz	7.5	10	18	EGE 7.5T 400/50-60	48	7.8	6
	3 x 400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *

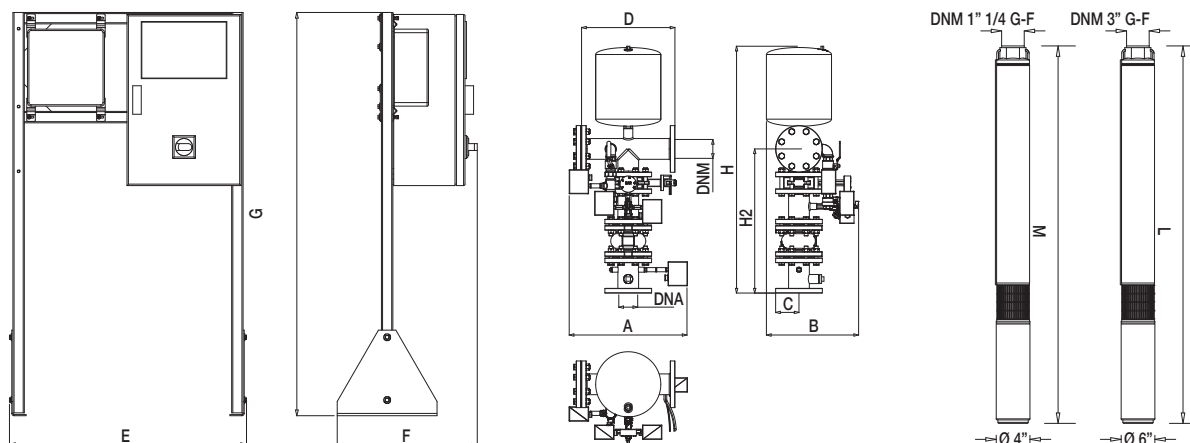
* Jockey pump

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



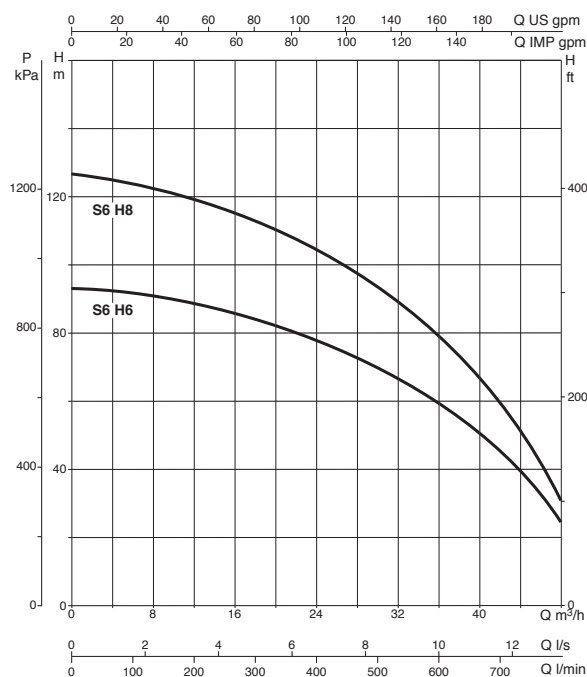
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (bpxh)	WEIGHT kg
1 S6H 3 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1063	-	80	80	1000x1400x2200	196
1 S6H 4 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1153	-	80	80	1000x1400x2200	200
1 S6H 5 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1242	-	80	80	1000x1400x2200	192
1 S6H 3 T 400/50 EN 12845 - S4C 13T	505	395	100	400	830	490	1415	1055	615	1063	871	80	80	1000x1400x2200	228
1 S6H 4 T 400/50 EN 12845 - S4C 13T	505	395	100	400	830	490	1415	1055	615	1153	871	80	80	1000x1400x2200	232
1 S6H 5 T 400/50 EN 12845 - S4C 19T	505	395	100	400	830	490	1415	1055	615	1242	1086	80	80	1000x1400x2200	237

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 48 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 S6H SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6H 6 T 400/50 EN 12845	3 x 400 50 Hz	9.2	12.5	22	EGE 11T SD 400/50-60	48	9.4	7.5
1 S6H 8 T 400/50 EN 12845	3 x 400 50 Hz	11	15	25.5	EGE 11T SD 400/50-60	48	12.6	10

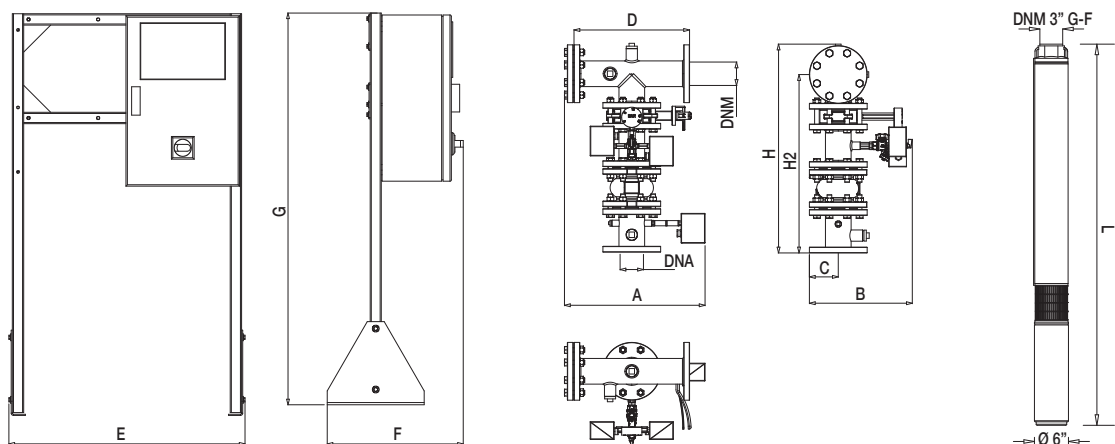
SETS WITH 1 S6H SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6H 6 T 400/50 UNI EN 12845-S4C 19T	3 x 400 50 Hz	9.2	12.5	22	EGE 11T SD 400/50-60	48	9.4	7.5
	3 x 400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1 S6H 8 T 400/50 EN 12845-S4C 25T	3 x 400 50 Hz	11	15	25.5	EGE 11T SD 400/50-60	48	12.6	10
	3 x 400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

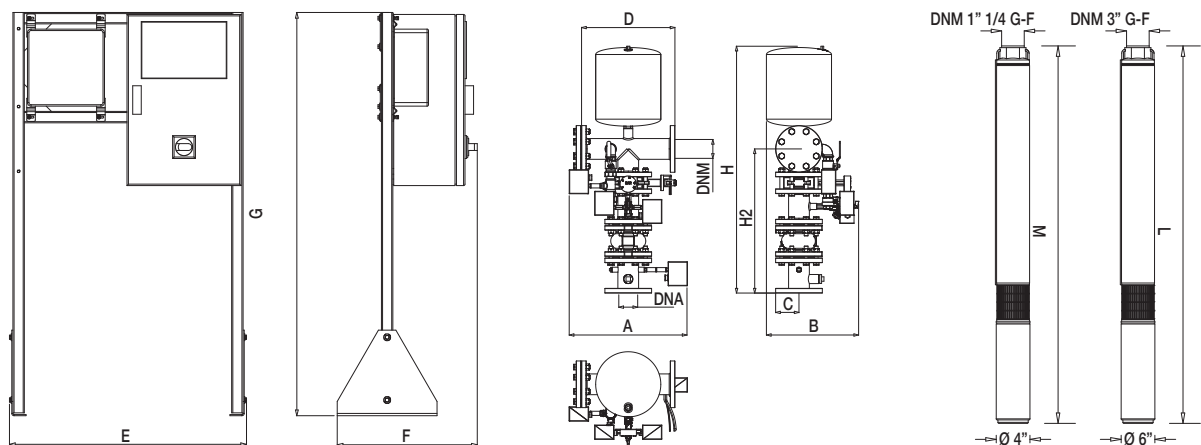
* Jockey pump

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



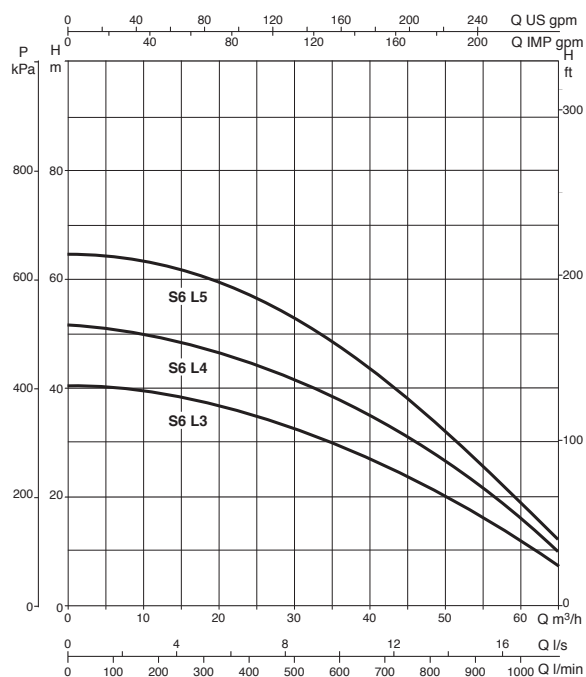
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (bpxh)	WEIGHT kg
1 S6H 6 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1327	-	80	80	1000x1400x2200	197
1 S6H 8 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1492	-	80	80	1000x1400x2200	202
1 S6H 6 T 400/50 EN 12845 - S4C 19T	505	395	100	400	830	490	1415	1055	615	1327	1086	80	80	1000x1400x2200	242
1 S6H 8 T 400/50 EN 12845 - S4C 25T	505	395	100	400	830	490	1415	1055	615	1492	1343	80	80	1000x1400x2200	265

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 66 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 S6L SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6L 3 T 400/50 EN 12845	3 x 400 50 Hz	5.5	7.5	14	EGE 5.5T 400/50-60	66	4	3
1 S6L 4 T 400/50 EN 12845	3 x 400 50 Hz	7.5	10	18	EGE 7.5T 400/50-60	66	5.2	4
1 S6L 5 T 400/50 EN 12845	3 x 400 50 Hz	9.2	12.5	22	EGE 11T SD 400/50-60	66	6.5	5

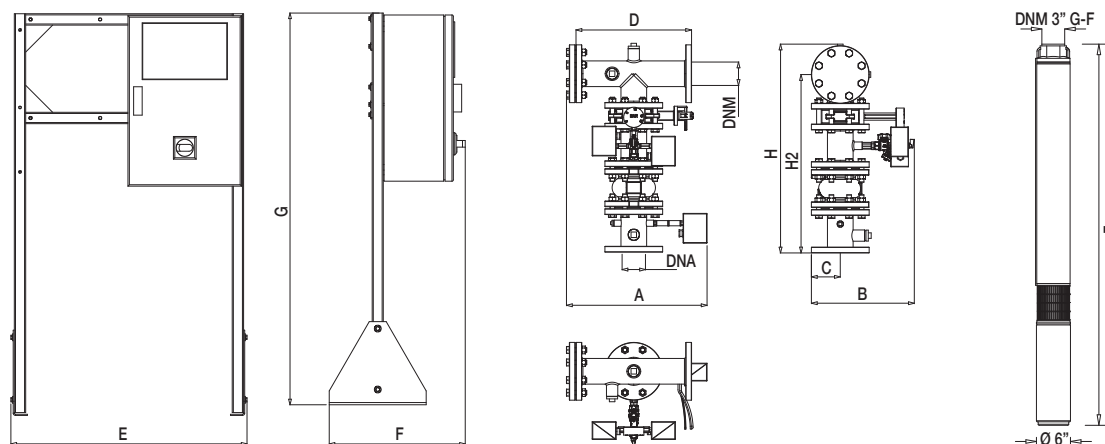
SETS WITH 1 S6L SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6L 3 T 400/50 EN 12845-S4C 13T	3 x 400 50 Hz	5.5	7.5	14	EGE 5.5T 400/50-60	66	4	3
	3 x 400 50-60 Hz *	0.75 *	1 *	2.4 *	ED 2.5T (108320350) *	4.2 *	7.1 *	6 *
1 S6L 4 T 400/50 EN 12845-S4C 13T	3 x 400 50 Hz	7.5	10	18	EGE 7.5T 400/50-60	66	5.2	4
	3 x 400 50-60 Hz *	0.75 *	1 *	2.4 *	ED 2.5T (108320350) *	4.2 *	7.1 *	6 *
1 S6L 5 T 400/50 EN 12845-S4C 13T	3 x 400 50 Hz	9.2	12.5	22	EGE 11T SD 400/50-60	66	6.5	5
	3 x 400 50-60 Hz *	0.75 *	1 *	2.4 *	ED 2.5T (108320350) *	4.2 *	7.1 *	6 *

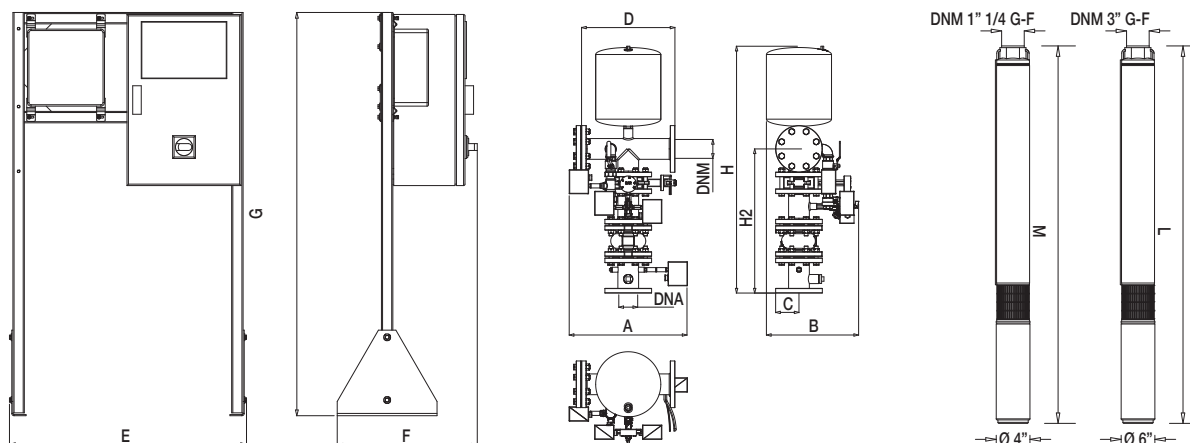
* Jockey pump

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



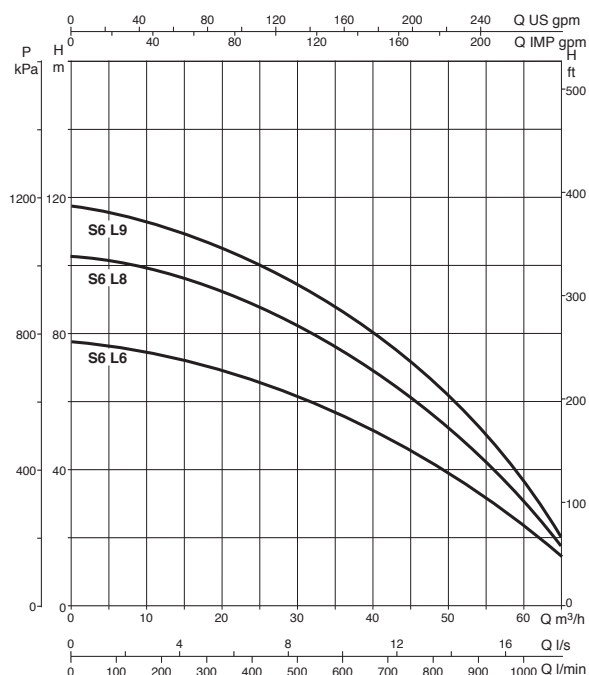
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (bpxh)	WEIGHT kg
1 S6L 3 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1094	-	80	80	1000x1400x2200	114
1 S6L 4 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1182	-	80	80	1000x1400x2200	117
1 S6L 5 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1267	-	80	80	1000x1400x2200	121
1 S6L 3 T 400/50 EN 12845 - S4C 13T	505	395	100	400	830	490	1415	1055	615	1094	871	80	80	1000x1400x2200	236
1 S6L 4 T 400/50 EN 12845 - S4C 13T	505	395	100	400	830	490	1415	1055	615	1182	871	80	80	1000x1400x2200	239
1 S6L 5 T 400/50 EN 12845 - S4C 13T	505	395	100	400	830	490	1415	1055	615	1267	871	80	80	1000x1400x2200	243

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 66 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 S6L SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6L 6 T 400/50 EN 12845	3 x 400 50 Hz	11	15	25.5	EGE 11T SD 400/50-60	66	7.8	6
1 S6L 8 T 400/50 EN 12845	3 x 400 50 Hz	15	20	33.4	EGE 15T SD 400/50-60	66	10.4	8
1 S6L 9 T 400/50 EN 12845	3 x 400 50 Hz	15	20	33.4	EGE 15T SD 400/50-60	66	11.8	9.5

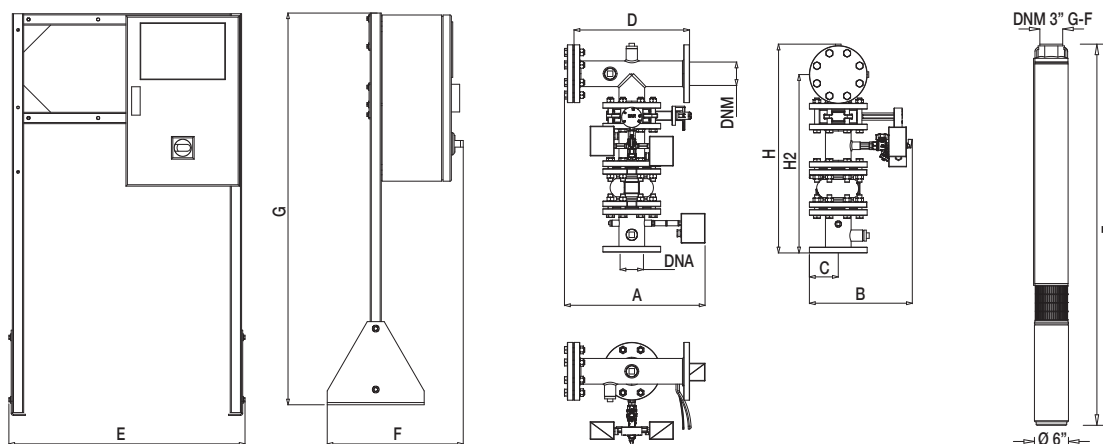
SETS WITH 1 S6L SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1 S6L 6 T 400/50 EN 12845-S4C 19T	3 x 400 50 Hz	11	15	25.5	EGE 11T SD 400/50-60	66	7.8	6
	3 x 400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1 S6L 8 T 400/50 EN 12845-S4C 25T	3 x 400 50 Hz	15	20	33.4	EGE 15T SD 400/50-60	66	10.4	8
	3 x 400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *
1 S6L 9 T 400/50 EN 12845-S4C 25T	3 x 400 50 Hz	15	20	33.4	EGE 15T SD 400/50-60	66	11.8	9.5
	3 x 400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

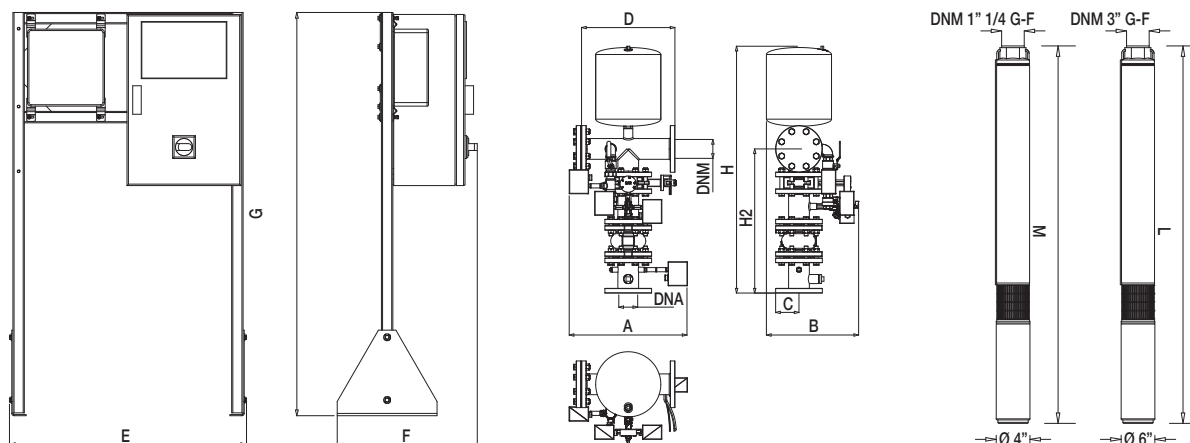
* Jockey pump

S6 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



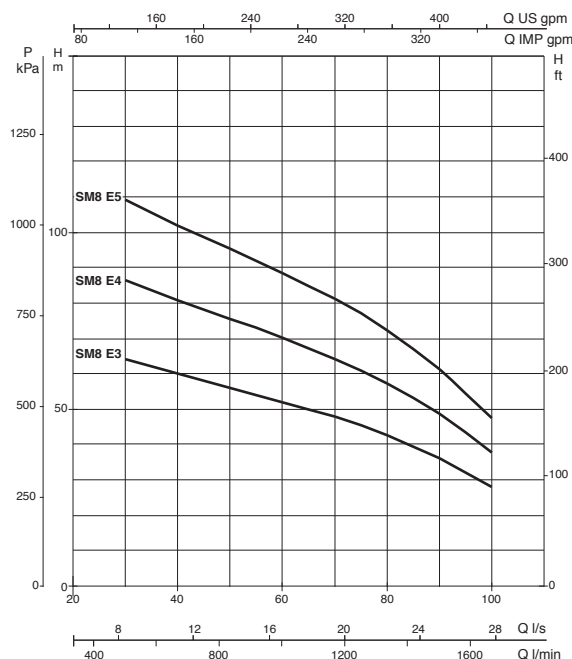
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (bpxh)	WEIGHT kg
1 S6L 6 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1372	-	80	80	1000x1400x2200	126
1 S6L 8 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1547	-	80	80	1000x1400x2200	150
1 S6L 9 T 400/50 EN 12845	485	355	100	400	830	490	1415	725	615	1607	-	80	80	1000x1400x2200	225
1 S6L 6 T 400/50 EN 12845 - S4C 19T	505	395	100	400	830	490	1415	1055	615	1372	1086	80	80	1000x1400x2200	248
1 S6L 8 T 400/50 EN 12845 - S4C 25T	505	395	100	400	830	490	1415	1055	615	1547	1343	80	80	1000x1400x2200	158
1 S6L 9 T 400/50 EN 12845 - S4C 25T	505	395	100	400	830	490	1415	1055	615	1607	1343	80	80	1000x1400x2200	245

SM8 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 100 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 SM8E SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1SM8 E3A T 400/50 EN 12845	3 x 400 50 Hz	15	20	33.4	EGE 18.5T SD 400/50-60	100	7.4	6
1SM8 E4A T 400/50 EN 12845	3 x 400 50 Hz	18.5	25	41	EGE 22T SD 400/50-60	100	10	8
1SM8 E5A T 400/50 EN 12845	3 x 400 50 Hz	22	30	47	EGE 22T SD 400/50-60	100	12.6	10

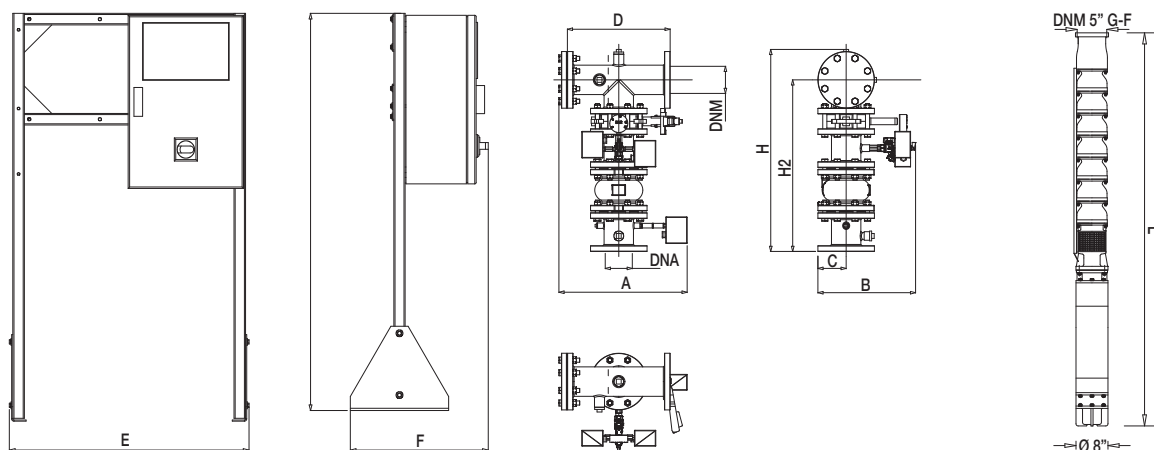
SETS WITH 1 SM8E SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1SM8 E3A T 400/50 EN 12845-S4C 19T	3x400 50 Hz	15	20	33.4	EGE 18.5T SD 400/50-60	100	7.4	6
	3x400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1SM8 E4A T 400/50 EN 12845-S4C 19T	3x400 50 Hz	18.5	25	41	EGE 22T SD 400/50-60	100	10	8
	3x400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1SM8 E5A T 400/50 EN 12845-S4C 25T	3x400 50 Hz	22	30	47	EGE 22T SD 400/50-60	100	12.6	10
	3x400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

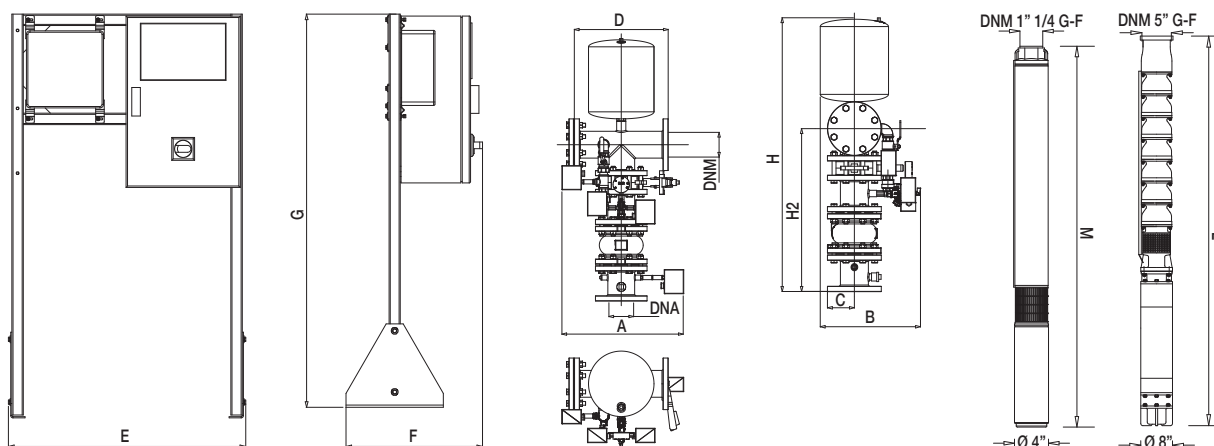
* Jockey pump

SM8 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



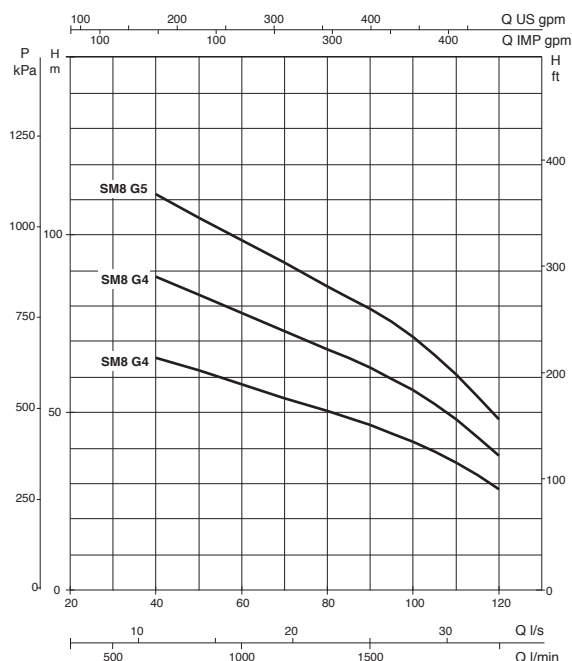
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (b x p x h)	WEIGHT kg
1SM8 E3A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	1653	-	100	100	1000x1400x2200	260
1SM8 E4A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	1860	-	100	100	1000x1400x2200	265
1SM8 E5A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	2052	-	100	100	1000x1400x2200	278
1SM8 E3A T 400/50 EN 12845 - S4C 19T	520	410	110	400	830	490	1415	1120	665	1653	1086	100	100	1000x1400x2200	280
1SM8 E4A T 400/50 EN 12845 - S4C 19T	520	410	110	400	830	490	1415	1120	665	1860	1086	100	100	1000x1400x2200	285
1SM8 E5A T 400/50 EN 12845 - S4C 25T	520	410	110	400	830	490	1415	1120	665	2052	1343	100	100	1000x1400x2200	298

SM8 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 120 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 SM8G SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1SM8 G3A T 400/50 EN 12845	3 x 400 50 Hz	18.5	25	41	EGE 22T SD 400/50-60	120	7.9	6
1SM8 G4A T 400/50 EN 12845	3 x 400 50 Hz	22	30	47	EGE 22T SD 400/50-60	120	10.6	8.5
1SM8 G5A T 400/50 EN 12845	3 x 400 50 Hz	30	40	61.5	EGE 30T SD 400/50-60	120	13.4	10.5

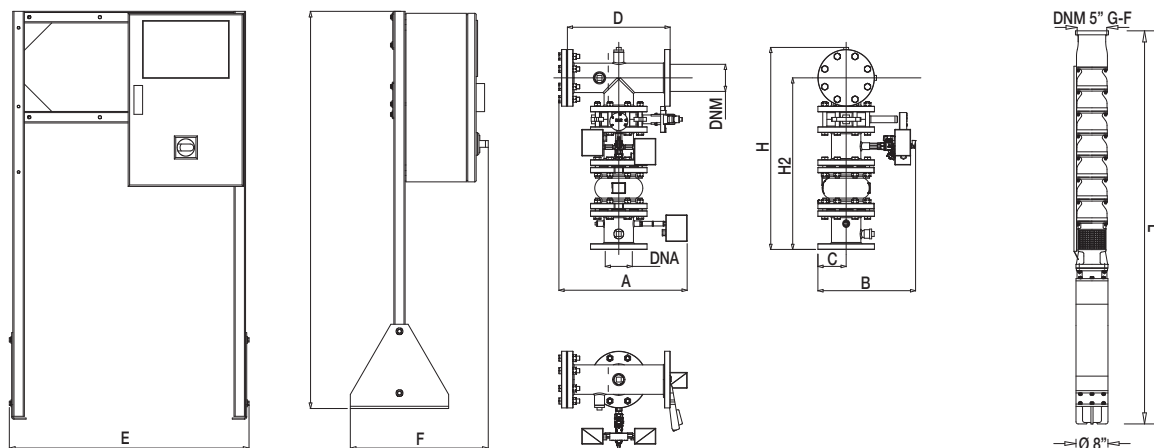
SETS WITH 1 SM8G SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1SM8 G3A T 400/50 EN 12845-S4C 19T	3x400 50 Hz	18.5	25	41	EGE 22T SD 400/50-60	120	7.9	6
	3x400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1SM8 G4A T 400/50 EN 12845-S4C 25T	3x400 50 Hz	22	30	47	EGE 22T SD 400/50-60	120	10.6	8.5
	3x400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *
1SM8 G5A T 400/50 EN 12845-S4C 25T	3x400 50 Hz	30	40	61.5	EGE 30T SD 400/50-60	120	13.4	10.5
	3x400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

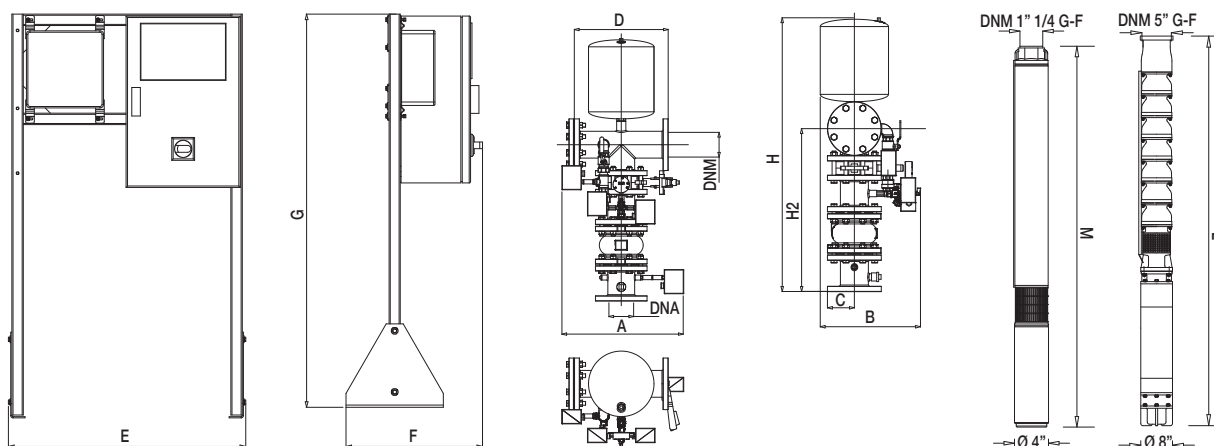
* Jockey pump

SM8 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



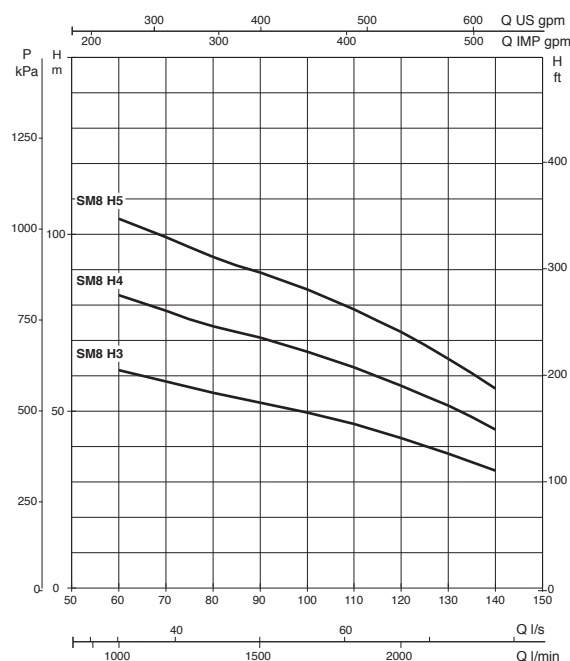
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (b x p x h)	WEIGHT kg
1SM8 G3A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	1728	-	100	100	1000x1400x2200	275
1SM8 G4A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	1920	-	100	100	1000x1400x2200	280
1SM8 G5A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	2182	-	100	100	1000x1400x2200	285
1SM8 G3A T 400/50 EN 12845 - S4C 19T	520	410	110	400	830	490	1415	1120	665	1728	1086	100	100	1000x1400x2200	295
1SM8 G4A T 400/50 EN 12845 - S4C 25T	520	410	110	400	830	490	1415	1120	665	1920	1343	100	100	1000x1400x2200	300
1SM8 G5A T 400/50 EN 12845 - S4C 25T	520	410	110	400	830	490	1415	1120	665	2182	1343	100	100	1000x1400x2200	305

SM8 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 140 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 SM8H SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1SM8 H3A T 400/50 EN 12845	3 x 400 50 Hz	22	30	47	EGE 22T SD 400/50-60	140	7.4	6
1SM8 H4A T 400/50 EN 12845	3 x 400 50 Hz	30	40	61.5	EGE 30T SD 400/50-60	140	10	8
1SM8 H5A T 400/50 EN 12845	3 x 400 50 Hz	37	50	79.5	EGE 37T SD 400/50-60	140	12.7	10

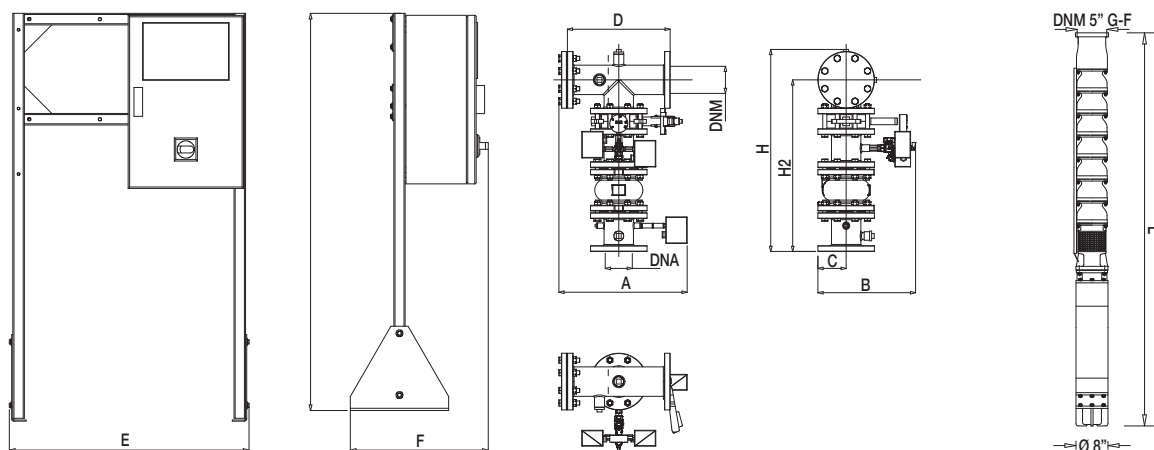
SETS WITH 1 SM8H SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1SM8 H3A T 400/50 EN 12845 - S4C 19T	3x400 50 Hz	22	30	47	EGE 22T SD 400/50-60	140	7.4	6
	3x400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1SM8 H4A T 400/50 EN 12845 - S4C 19T	3x400 50 Hz	30	40	61.5	EGE 30T SD 400/50-60	140	10	8
	3x400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1SM8 H5A T 400/50 EN 12845 - S4C 25T	3x400 50 Hz	37	50	79.5	EGE 37T SD 400/50-60	140	12.7	10
	3x400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

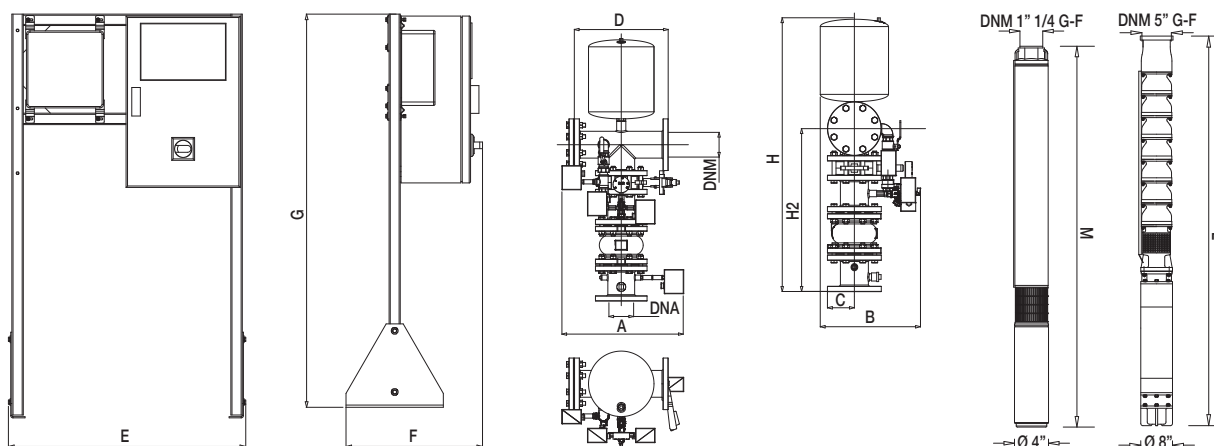
* Jockey pump

SM8 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



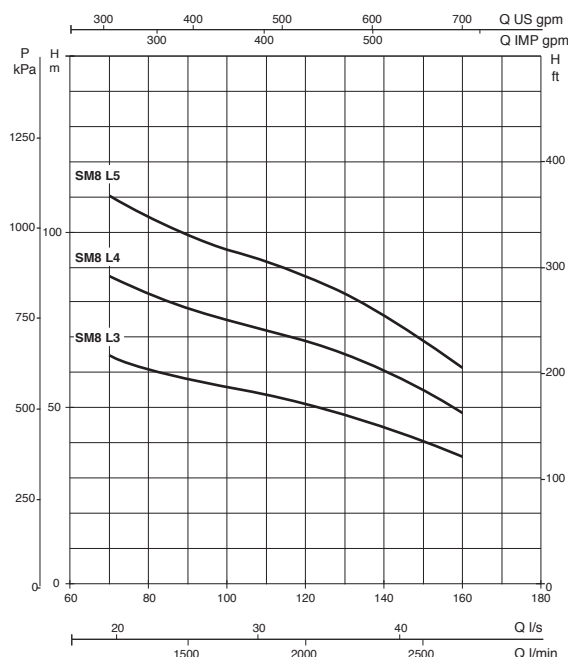
SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (b x p x h)	WEIGHT kg
1SM8 H3A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	1788	-	100	100	1000x1400x2200	244
1SM8 H4A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	2050	-	100	100	1000x1400x2200	252
1SM8 H5A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	2312	-	100	100	1000x1400x2200	260
1SM8 H3A T 400/50 EN 12845 - S4C 19T	520	410	110	400	830	490	1415	1120	665	1788	1086	100	100	1000x1400x2200	264
1SM8 H4A T 400/50 EN 12845 - S4C 19T	520	410	110	400	830	490	1415	1120	665	2050	1086	100	100	1000x1400x2200	272
1SM8 H5A T 400/50 EN 12845 - S4C 25T	520	410	110	400	830	490	1415	1120	665	2312	1343	100	100	1000x1400x2200	290

SM8 SETS - UNI EN 12845 FIRE-FIGHTING SETS

Pumped liquid temperature range: from 0°C to +40°C - Maximum ambient temperature: from 4°C to +40 °C - Maximum flow rate: 160 m³/h



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

SETS WITH 1 SM8H SUBMERGED PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	MODEL CONTROL PANEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1SM8 L3A T 400/50 EN 12845	3 x 400 50 Hz	30	40	61.5	EGE 30T SD 400/50-60	160	7.7	6
1SM8 L4A T 400/50 EN 12845	3 x 400 50 Hz	37	50	79.5	EGE 37T SD 400/50-60	160	10.3	8
1SM8 L5A T 400/50 EN 12845	3 x 400 50 Hz	45	60	92	EGE 45T SD 400/50-60	160	13.1	10.5

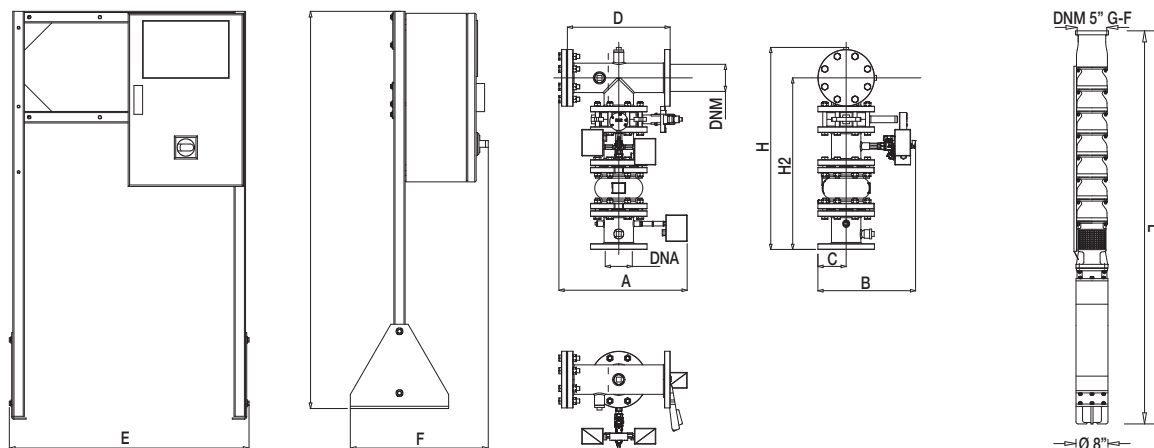
SETS WITH 1 SM8H SUBMERGED PUMP + JOCKEY PUMP

MODEL	POWER INPUT 50 Hz	P2 NOMINAL		In (A)	CONTROL PANEL MODEL	MAX FLOW RATE m³/h	MAX OBTAINABLE PRESSURE	STANDARD PRESSURE (bar)
		kW	Hp					
1SM8 L3A T 400/50 EN 12845-S4C 19T	3 x 400 50 Hz	30	40	61.5	EGE 30T SD 400/50-60	160	7.7	6
	3x400 50-60 Hz *	1.1 *	1.5 *	3.4 *	ED 1.5T (108320340) *	4.2 *	10.4 *	8 *
1SM8 L4A T 400/50 EN 12845-S4C 25T	3x400 50 Hz	37	50	79.5	EGE 37T SD 400/50-60	160	10.3	8
	3x400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *
1SM8 L5A T 400/50 EN 12845-S4C 25T	3x400 50 Hz	45	60	92	EGE 45T SD 400/50-60	160	13.1	10,5
	3x400 50-60 Hz *	1.5 *	2 *	4.4 *	ED 2.5T (108320350) *	4.2 *	13.7 *	11 *

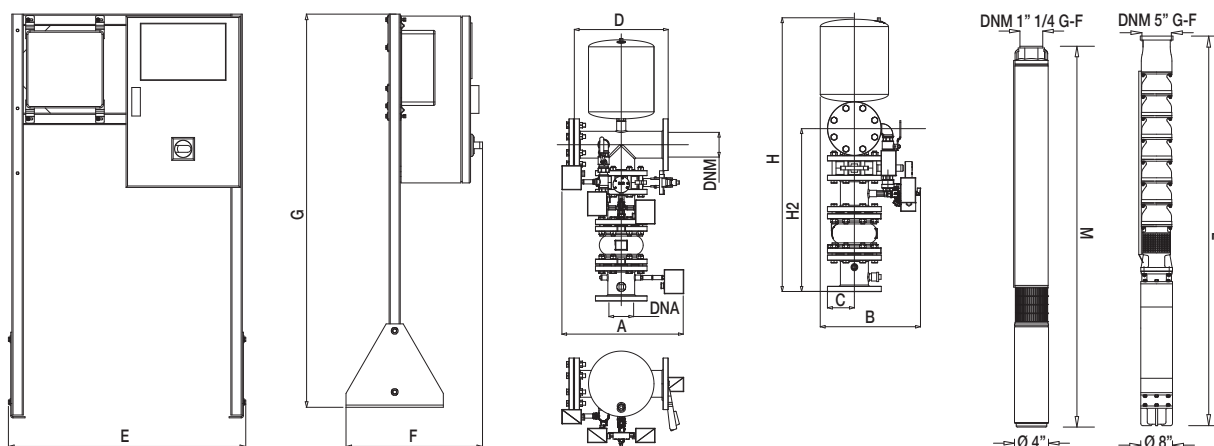
* Jockey pump

SM8 SETS - UNI EN 12845 FIRE-FIGHTING SETS

SETS WITH 1 SUBMERGED PUMP



SETS WITH 1 SUBMERGED PUMP + JOCKEY PUMP



MODEL	A	B	C	D	E	F	G	H	H2	L	M	DNA	DNM	PACKING (b x p x h)	WEIGHT kg
1SM8 L3A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	1918	-	100	100	1000x1400x2200	380
1SM8 L4A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	2180	-	100	100	1000x1400x2200	390
1SM8 L5A T 400/50 EN 12845	500	380	110	400	830	490	1415	785	665	2402	-	100	100	1000x1400x2200	400
1SM8 L3A T 400/50 EN 12845 - S4C 19T	520	410	110	400	830	490	1415	1120	665	1918	1086	100	100	1000x1400x2200	400
1SM8 L4A T 400/50 EN 12845 - S4C 25T	520	410	110	400	830	490	1415	1120	665	2180	1343	100	100	1000x1400x2200	410
1SM8 L5A T 400/50 EN 12845 - S4C 25T	520	410	110	400	830	490	1415	1120	665	2402	1343	100	100	1000x1400x2200	420