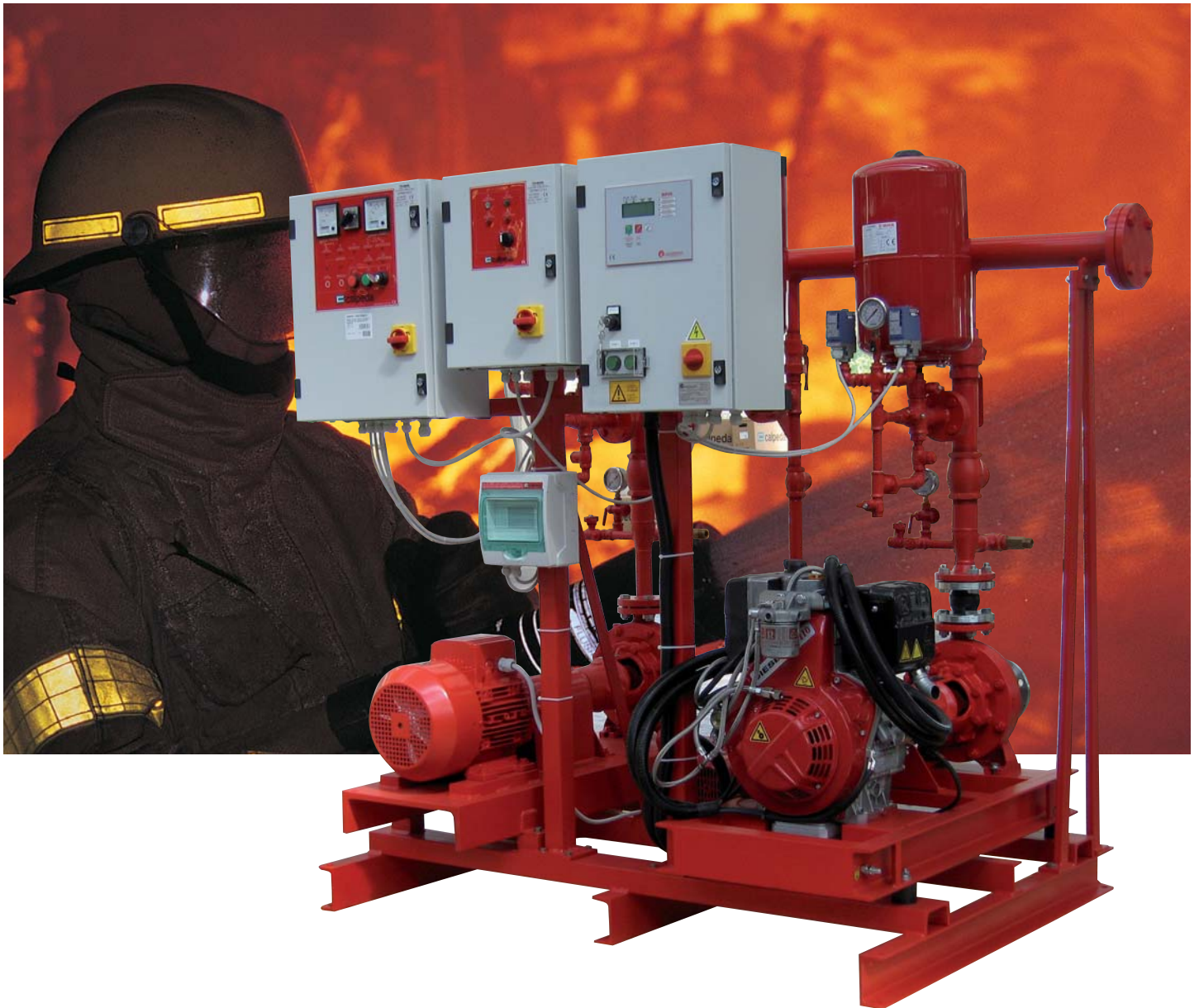
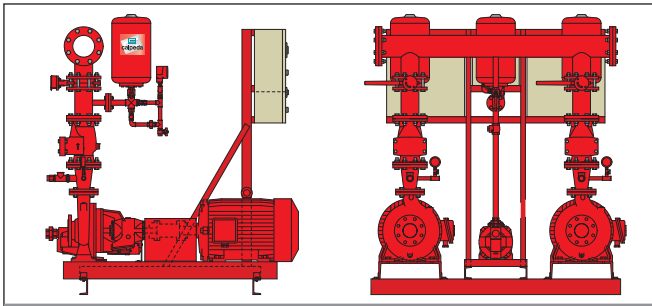


AUE, AUD, AUED

UNI-EN 12845 fire-fighting systems





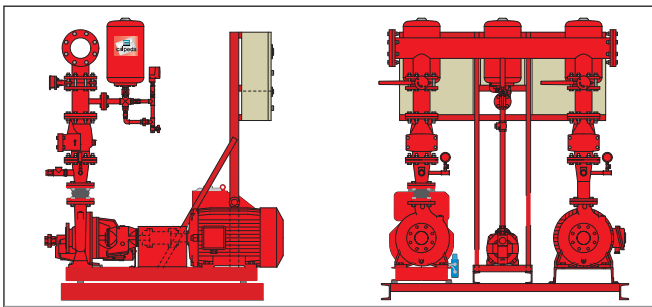
AUE 11

UNI-EN 12845 units with 1 **N** series electric main pump

pag. 614

AUE 21

UNI-EN 12845 units with 2 **N** series electric main pumps



AUD 11

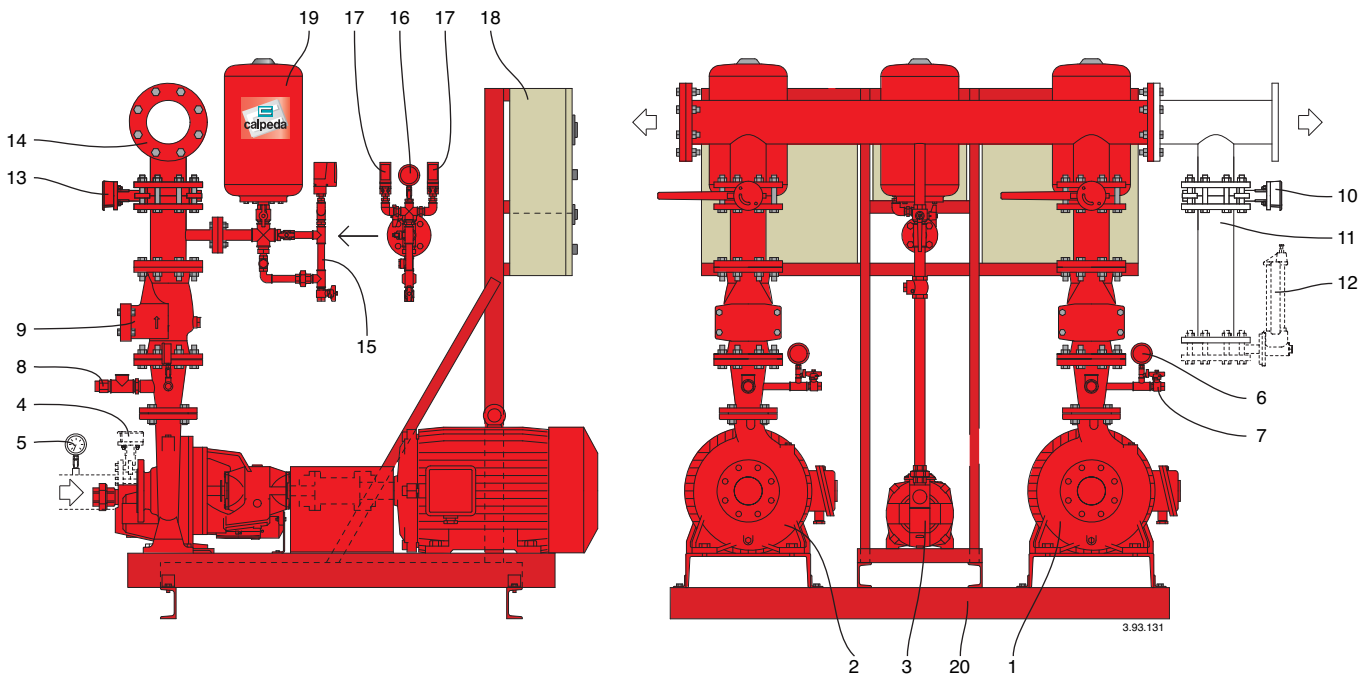
UNI-EN 12845 units with 1 **N** series main pump (diesel motor)

pag. 619

AUED 21

UNI-EN 12845 units with 2 **N** series main pumps
(electric and diesel motors)

Construction



- 1) Main pump
- 2) Main pump
- 3) Jockey pump
- 4) Butterfly valve in suction section (on request only for installation with positive head)
- 5) Vacuometer
- 6) Pressure gauge in delivery section
- 7) Ball valve for draining
- 8) Adjusted diaphragm
- 9) Non-return valve (accessible)
- 10) Butterfly valve for capacity-check system (on request)
- 11) Manifold for flow meter (on request)
- 12) Flow meter (on request)
- 13) Butterfly valve or ball valve in delivery section
- 14) Delivery manifold
- 15) Test circuit (manual) (one for each pump)
- 16) Pressure gauge
- 17) Starting pressure switches of main pumps
Starting pressure switch to stop jockey pump
- 18) Electric boxes (one for each pump)
- 19) Diaphragm tanks
- 20) Steel base for all pumps

All the butterfly valves or ball valve are locked in the normal position by means of a lock and key.
On request: anti-vibration couplings in both the suction and delivery sections.

Construction

Units constructed in accordance with UNI-EN 12845 standards for automatic fire-fighting systems (with sprinkler) and according to UNI 10779 for fire-fighting systems with fire hydrants.

The units may be composed of 1 or 2 main pumps.

Units are fitted with a jockey pump, with which the system pressure level can be maintained without having to start the main pumps.

Application

For feeding water to automatic fire-fighting systems and units with hydrants.

Operation

The pumps start operating after a fall in the pressure level in the fire-extinguishing system.

The first pump to be triggered is the jockey pump.

If this pump cannot restore the pressure level, the main pump starts. When there is more than one main pump, the pumps start in cascade sequence, with the starting pressure switches set at different pressure levels.

The pressure switches of the main pumps are used only for starting, as the pumps must be stopped manually for UNI-EN 12845 units or automatically with a timer for UNI 10779 sets.

The recirculation diaphragm allows for operation of the main pumps also when the delivery port is closed (with no consumption of water in the system), avoiding overheating of the water inside the pump body.

Weekly test (on request)

The programmable clock in the electric box controls the forced starting of the main pump (electric driven pump only).

The diaphragm avoids overheating of the water in the pump body.

Pumps

Main pumps

The main pumps can be :

N series: single stage horizontal centrifugal pumps

The N series centrifugal pumps are coupled with the electric or diesel motor through a bearing coupling. This solution allows to operate on the hydraulic part without moving the motor.

Jockey pump

Jockey pump can be a self-priming jet pump, a centrifugal pump with two impellers, a vertical multistage pump or a submersible borehole pump.

The maximum pressure developed by the jockey pump is always greater than the pressure of the main pumps.

Motors

Two-pole induction type, 50 Hz, n = 2,900 rpm

Three-phase 230/400V ± 10% up to 3 kW

400/690V ± 10% 4 kW and higher.

Insulation class F

Protection IP 54 for close coupled pumps, IP 55 for pumps with coupling and IP 68 for submersible borehole pumps.

Construction in accordance with: IEC 60034

Other voltage and frequency ratings available on request

Diesel motors (for standardised N-series pumps)

These are direct-injection pumps fitted with electric control box, fuel tank, starter batteries and silencer.

Hydraulic components

Each main pump is fitted with:

- Pressure and vacuum gauge in the suction section.
- Butterfly valve in the suction section (on request only for installation with positive suction head).
- Pressure gauge in the delivery section.
- Adjusted diaphragm.
- Pressure switch to indicate the pump is operating.
- Non-return valve of the accessible swing-type.
- Butterfly valve in the delivery section.
- Manual test circuit with pressure switches, pressure gauge, non-return valve and ball valve and cylindrical 20-liter (15 bar) tank (one for each pump).

The jockey pump is fitted with:

- Ball valve in the suction section (on request only if the pump has a positive suction head).
- Non-return valve and ball valve in the delivery section.
- Manual test circuit with pressure switch, pressure gauge, non-return valve and ball valve and cylindrical 20-liter (15 bar) tank (one for each pump).

Other components:

- Delivery manifold.
- Coupling for connection of a priming tank (only for the pumps installed with positive suction head).
- The suction manifold is never supplied as such execution is forbidden by the standards.
- The units with vertical multistage pumps and submersible borehole pumps with pressure higher than 6-7 bar are fitted with an adjustable safety valve to release the overpressure.

On request:

- Manifold for flow meter.
- Adjusted-flange, diaphragm type, flow meter.

Electric boxes

Electric main-pump box (electric motor)

Each main pump has its own electric control board housed in a metal cabinet with IP54 protection. The box contains the devices required for operation and control of the pump.

Motor starting is direct for power ratings up to 7.5 kW.

For motors with a rating equal to or higher than 11 kW pump starting is of the Y/Δ type with fuses, contactors and timer.

On request:

programmable clock for the weekly test.

Timer for pumps stop after 20 minutes (UNI 10779)

The following devices are located on the internal door panel:

- Line-sectioning handle - Voltmeter and ammeter with switch
- "Manual-0-Automatic" selector with extractible key only in "automatic" position - Start/Stop pushbuttons - Pilot lights to indicate: no-volt, pump running, voltage on.

Electric main-pump box (diesel motor)

This cabinet contains the electronic control devices for the control of the diesel motor and the battery chargers for feeding the starter accumulators.

The following devices are located on the front of the box:

- Line-sectioning handle.
- Front panel of the electronic unit.
- Manual-0-Automatic selector with extractible key only an "automatic" position.

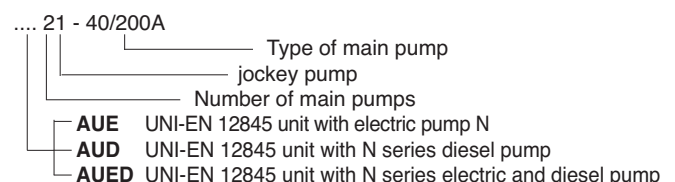
Electric jockey-pump box

When installed, the jockey pump is fitted with its own electric panel, metal housing with IP 54 protection.

Control box (on request).

To be installed in a place to be looked after, to signal any possible failure of the unit state. It must be connected to V.220 and it gives an acoustic and visual signal for 24 hours.

Designation of units



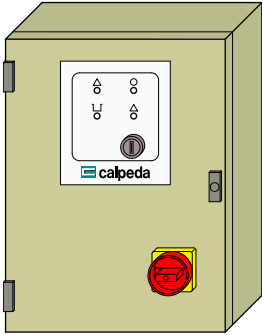
Control panels

UNI-EN 12845 fire-fighting systems

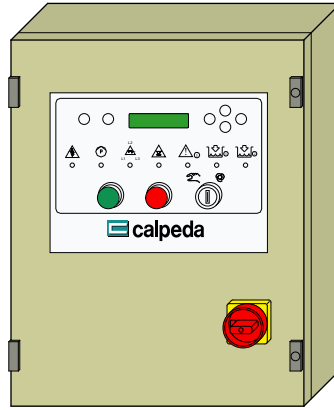


Control panels

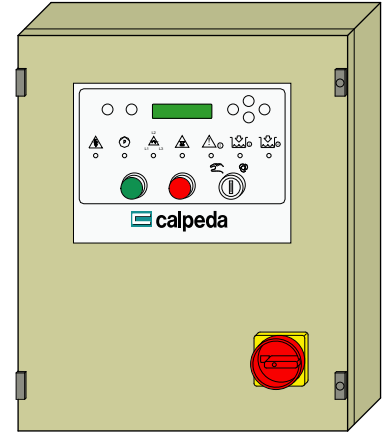
QTPAN 1,1-1,5-5,5 kW
Jockey pumps control panel



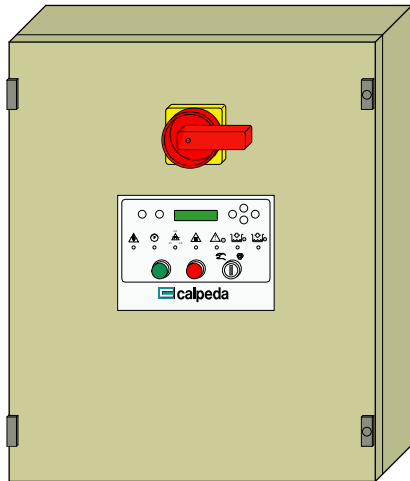
QTPAN 1D 2,2÷5,5 kW
Main pump control panel
(D.O.L. starting)



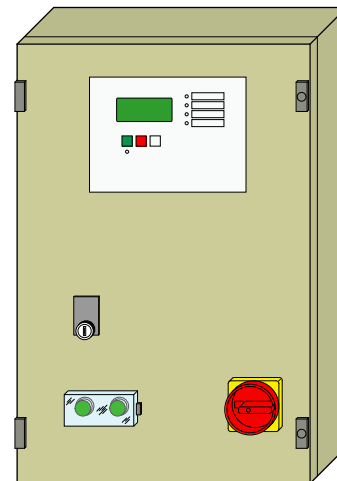
QTPAN 1ST 9,2÷45 kW
Main pump control panel
(Y/Δ starting)



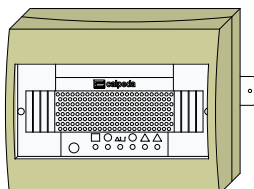
QTPAN 1ST 55÷75 kW
Main pump control panel (Y/Δ starting)



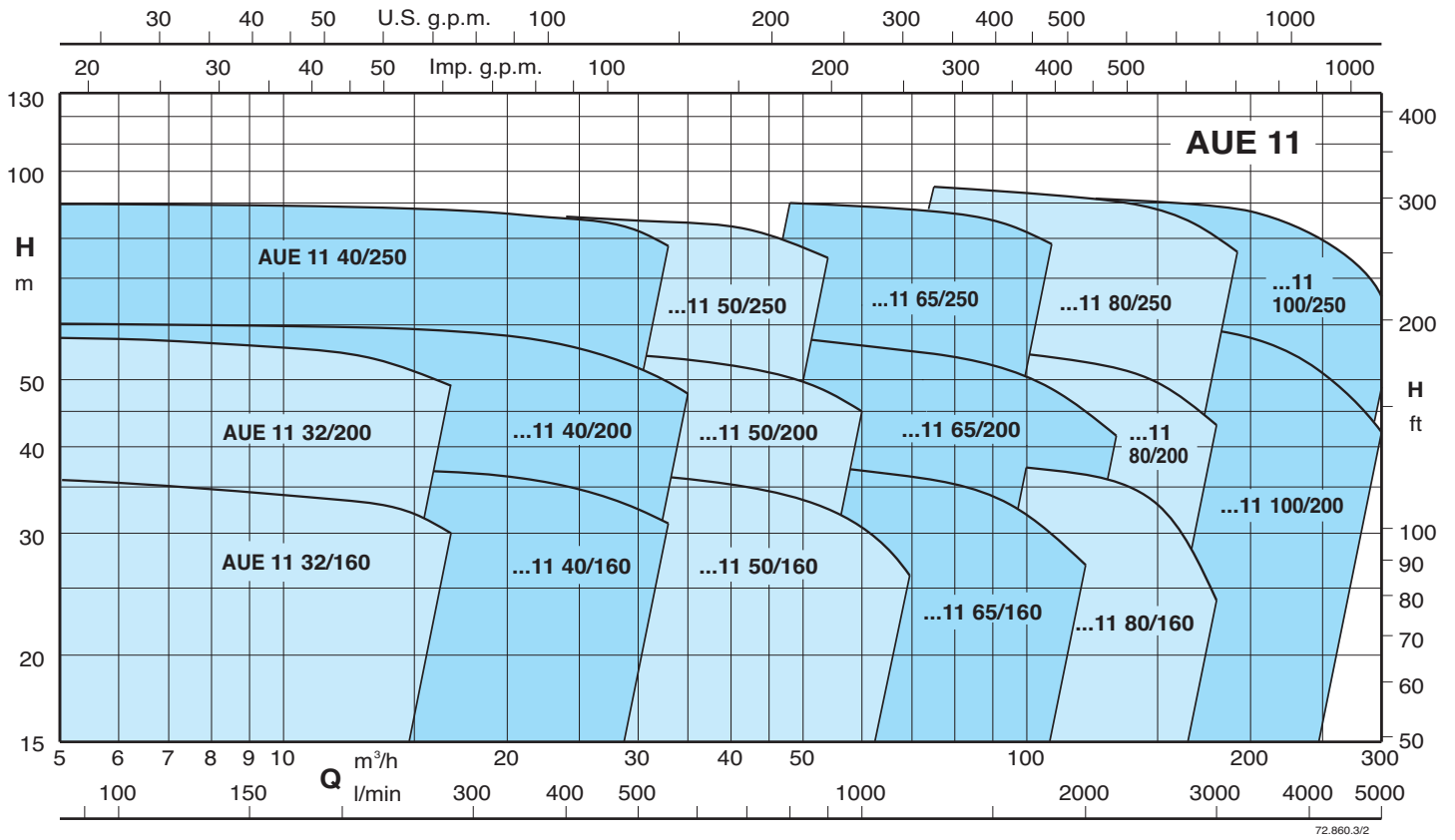
QANM 1
Main pump control panel (diesel motor)



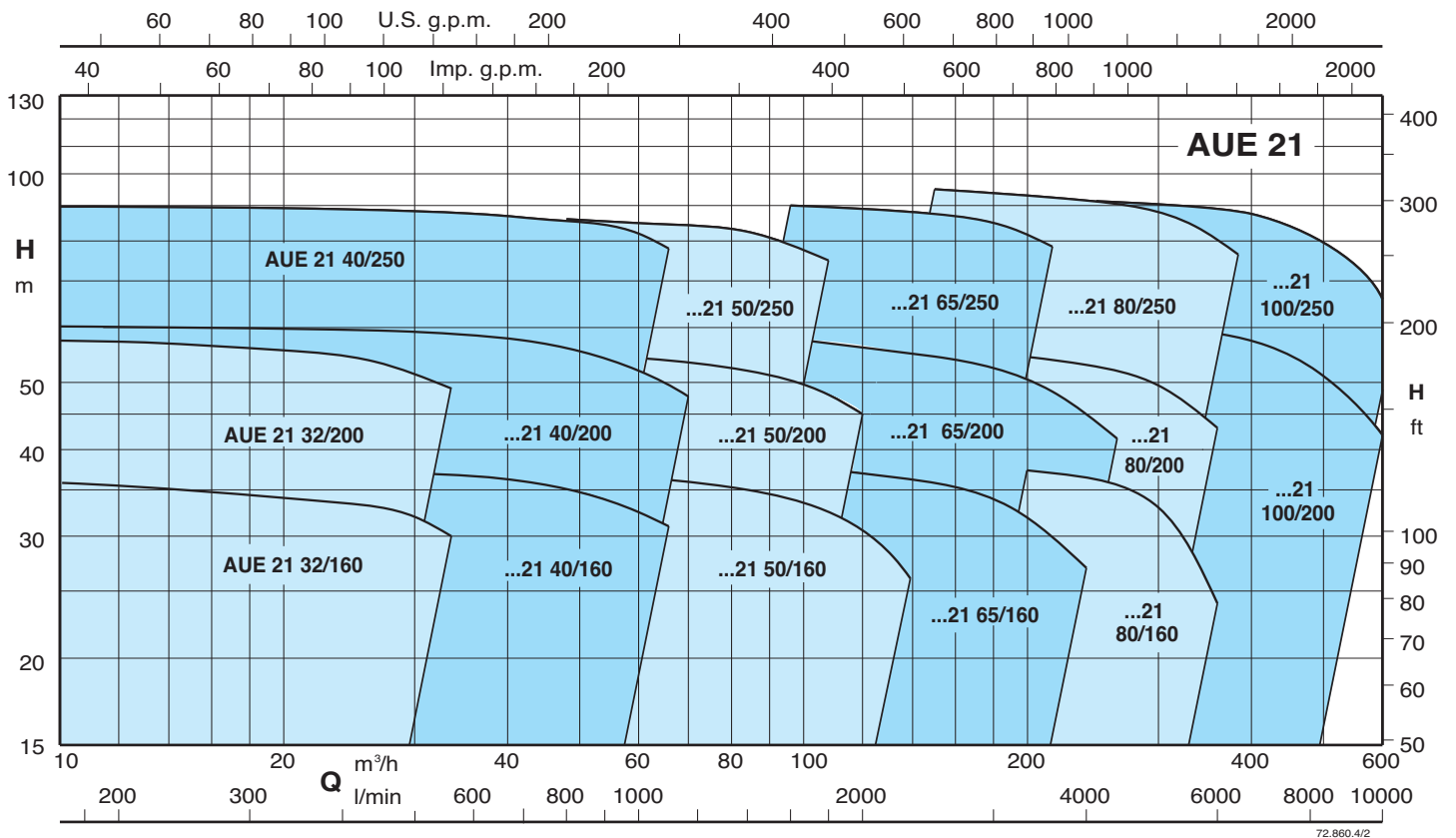
QACR 11-21
Control panel for remote control



With 1 electric pump



With 2 electric pumps



Performance

Unit designation		Power kW	Average capacity pump		Max. capacity pump		Pressure switch settings	
Main pump	Jockey pump		m ³ /h	m	m ³ /h	m	Main pump bar	Jockey pump bar
AUE 11 - 32/160A/A	NG 5/18/A	3 + 1,1	12	34	16,8	30	2,7 ÷ 3,3	3 ÷ 3,6
AUE 11 - 32/200C/A	NG 5/16/A	4 + 1,1	12	41	16,8	36	3,6 ÷ 4,2	4 ÷ 4,7
AUE 11 - 32/200A/A	NG 6/18/A	5,5 + 1,5	12	54,5	16,8	49	4,7 ÷ 5,4	5 ÷ 5,7
AUE 11 - 40/160B/A	NG 5/22/A	4 + 1,1	28,5	32,5	42	14	1,8 ÷ 2,5	2,2 ÷ 2,9
AUE 11 - 40/160A/A	NG 5/18/A	5,5 + 1,1	32	30	48	17	2,3 ÷ 3	2,8 ÷ 3,5
AUE 11 - 40/200D/A	NG 5/18/A	5,5 + 1,1	26,5	33	37,8	14	2,8 ÷ 3,4	3,3 ÷ 4
AUE 11 - 40/200B/A	NG 5/16/A	7,5 + 1,1	26,5	44	37,8	30,5	3,6 ÷ 4,3	3,9 ÷ 4,6
AUE 11 - 40/200A/A	NG 6/18/A	11 + 1,5	29	51	42	35	4,3 ÷ 5	4,6 ÷ 5,3
AUE 11 - 40/250C/A	NG 6/18/A	11 + 1,5	28,5	55	42	33,5	4,5 ÷ 5,3	4,8 ÷ 5,6
AUE 11 - 40/250B/A	NG 7/18/B	15 + 2,2	28,5	64,5	42	45	5,5 ÷ 6,3	5,8 ÷ 6,6
AUE 11 - 40/250A/A	NG 7/16/B	18,5 + 2,2	28,5	86	42	70,5	7,6 ÷ 8,2	8 ÷ 8,6
AUE 11 - 50/160B/A	NG 5/22/A	7,5 + 1,1	55,5	23	81	9,5	1,5 ÷ 2,2	1,8 ÷ 2,5
AUE 11 - 50/160A/A	NG 5/18/A	11 + 1,1	55,5	32	81	19	2,3 ÷ 3	2,6 ÷ 3,3
AUE 11 - 50/200B/A	NG 5/16/A	11 + 1,1	51	41,5	78	23	3,3 ÷ 4	3,6 ÷ 4,3
AUE 11 - 50/200A/A	NG 6/18/A	15 + 1,5	51	49	78	32,5	4 ÷ 4,7	4,3 ÷ 5
AUE 11 - 50/200S/A	NG 6/18/A	18,5 + 1,5	51	54,5	78	37	4,6 ÷ 5,2	5 ÷ 5,7
AUE 11 - 50/250C/A	NG 5/16/A	15 + 1,1	46,5	48,5	69	24,5	3,5 ÷ 4,2	3,8 ÷ 4,5
AUE 11 - 50/250B/A	NG 7/18/B	18,5 + 2,2	46,5	62	69	43	5 ÷ 5,6	5,4 ÷ 6
AUE 11 - 50/250A/A	NG 7/16/B	22 + 2,2	46,5	75	69	58,5	6,5 ÷ 7,2	6,8 ÷ 7,5
AUE 11 - 65/160B/B	NG 5/18/A	15 + 1,1	90	30	132	23	2,4 ÷ 3	2,8 ÷ 3,5
AUE 11 - 65/160AR	NG 5/18/A	18,5 + 1,1	90	34	132	27	2,8 ÷ 3,4	3,2 ÷ 3,8
AUE 11 - 65/160A/B	NG 5/18/A	18,5 + 1,1	90	38	132	32	3,2 ÷ 3,8	3,5 ÷ 4,2
AUE 11 - 65/200C/A	NG 5/16/A	18,5 + 1,1	90	38,5	132	27	3,4 ÷ 4	3,8 ÷ 4,5
AUE 11 - 65/200B/A	NG 5/16/A	22 + 1,1	90	45,5	132	35	3,9 ÷ 4,5	4,3 ÷ 5
AUE 11 - 65/200A/A	NG 6/18/A	30 + 1,5	90	52	132	41,5	4,5 ÷ 5,2	5 ÷ 5,6
AUE 11 - 65/250C/A	NG 7/18/B	30 + 2,2	78	59	108	50	5,4 ÷ 6	5,8 ÷ 6,5
AUE 11 - 65/250B/A	NG 7/16/B	37 + 2,2	78	76	108	67	7 ÷ 7,6	7,4 ÷ 8
AUE 11 - 65/250A/A	NMD 25/190A/B	45 + 4	78	87	108	78	7,8 ÷ 8,5	8,3 ÷ 9
AUE 11 - 80/160B/B	NG 5/18/A	18,5 + 1,1	134	31	192	22	2,4 ÷ 3	2,8 ÷ 3,5
AUE 11 - 80/160A/B	NG 5/18/A	22 + 1,1	134	36	192	28	2,8 ÷ 3,4	3,3 ÷ 3,9
AUE 11 - 80/200B/A	NG 6/18/A	30 + 1,5	128	42	180	32	3,5 ÷ 4,2	4 ÷ 4,7
AUE 11 - 80/200A/A	NG 6/18/A	37 + 1,5	128	52	180	43	4,5 ÷ 5,2	5 ÷ 5,7
AUE 11 - 80/250E/A	NG 6/18/A	30 + 1,5	128	43	180	29	4,1 ÷ 4,7	4,5 ÷ 5,1
AUE 11 - 80/250D/A	NG 7/18/B	37 + 2,2	134	56	192	41	5,5 ÷ 6,1	5,9 ÷ 6,5
AUE 11 - 80/250C/A	NG 7/16/B	45 + 2,2	134	67	192	51	6,3 ÷ 6,9	6,8 ÷ 7,4
AUE 11 - 80/250B/A	NG 7/16/B	55 + 2,2	134	78	192	63	7,2 ÷ 7,9	7,8 ÷ 8,4
AUE 11 - 80/250A/A	NMD 25/190A/B	75 + 4	134	90	192	76	8,3 ÷ 9	8,8 ÷ 9,4
AUE 11 - 100/200E/A	NG 5/22/A	22 + 1,1	174	26	240	19	2 ÷ 2,6	2,4 ÷ 3
AUE 11 - 100/200D/A	NG 6/22/A	30 + 1,5	189	31	270	19	2,5 ÷ 3,2	3 ÷ 3,7
AUE 11 - 100/200C/A	NG 7/22/B	37 + 2,2	204	39	300	22	3,5 ÷ 4,1	3,9 ÷ 4,6
AUE 11 - 100/200B/A	NG 7/18/B	45 + 2,2	204	48	300	32	4,4 ÷ 5	4,8 ÷ 5,5
AUE 11 - 100/200A/A	NG 7/18/B	55 + 2,2	204	57	300	42	4,8 ÷ 5,5	5,4 ÷ 6
AUE 11 - 100/250B/A	NG 7/16/B	75 + 2,2	204	65	300	48	6 ÷ 6,8	6,6 ÷ 7,3
AUE 11 - 100/250A/A	NMD 25/190A/B	92 + 4	204	85	300	67	7,8 ÷ 8,5	8,2 ÷ 9

Performance

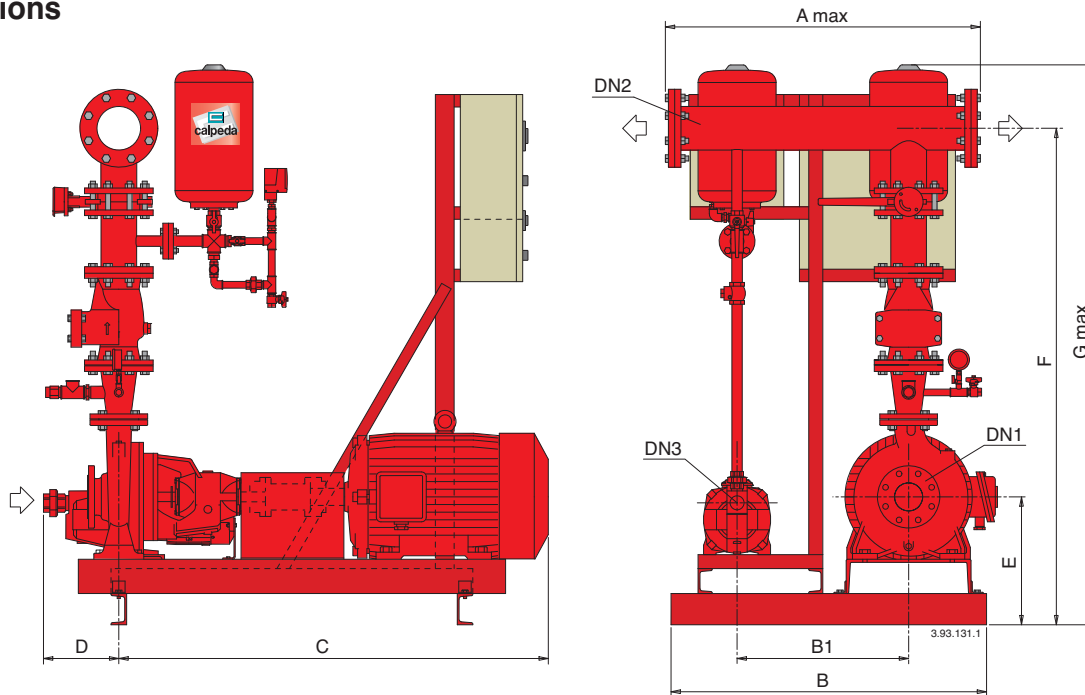
Unit designation		Power kW	Average capacity of one pump		Max. capacity of one pump		Pressure switch settings		
			m ³ /h	m	m ³ /h	m	Main pump 1 bar	Main pump 2 bar	Jockey pump bar
Main pump	Jockey pump								
AUE 21 - 32/160A/A	NG 5/18/A	3 + 3 + 1,1	12	34	16,8	30	2,7 ÷ 3,3	2,3 ÷ 2,9	3 ÷ 3,6
AUE 21 - 32/200C/A	NG 5/16/A	4 + 4 + 1,1	12	41	16,8	36	3,6 ÷ 4,2	3,2 ÷ 3,8	4 ÷ 4,7
AUE 21 - 32/200A/A	NG 6/18/A	5,5+5,5+1,5	12	54,5	16,8	49	4,7 ÷ 5,4	4,3 ÷ 5	5 ÷ 5,7
AUE 21 - 40/160B/A	NG 5/22/A	4 + 4 + 1,1	28,5	32,5	42	14	1,8 ÷ 2,5	1,5 ÷ 2,3	2,2 ÷ 2,9
AUE 21 - 40/160A/A	NG 5/18/A	5,5+5,5+1,1	32	30	48	17	2,3 ÷ 3	2 ÷ 2,7	2,8 ÷ 3,5
AUE 21 - 40/200D/A	NG 5/18/A	5,5+5,5+1,1	26,5	31	37,8	14	2,8 ÷ 3,4	2,4 ÷ 3	3,3 ÷ 4
AUE 21 - 40/200B/A	NG 5/16/A	7,5+7,5+1,1	26,5	44	37,8	30,5	3,6 ÷ 4,3	3,3 ÷ 4	3,9 ÷ 4,6
AUE 21 - 40/200A/A	NG 6/18/A	11 + 11 + 1,5	29	51	42	35	4,3 ÷ 5	4 ÷ 4,7	4,6 ÷ 5,3
AUE 21 - 40/250C/A	NG 6/18/A	11 + 11 + 1,5	28,5	55	42	33,5	4,5 ÷ 5,3	4,2 ÷ 5,1	4,8 ÷ 5,6
AUE 21 - 40/250B/A	NG 7/18/B	15 + 15 + 2,2	28,5	64,5	42	45	5,5 ÷ 6,3	5,2 ÷ 6,3	5,8 ÷ 6,6
AUE 21 - 40/250A/A	NG 7/16/B	18,5+18,5+2,2	28,5	86	42	70,5	7,6 ÷ 8,2	7,2 ÷ 7,8	8 ÷ 8,6
AUE 21 - 50/160B/A	NG 5/22/A	7,5+7,5+1,1	55,5	23	81	9,5	1,5 ÷ 2,2	1,2 ÷ 1,9	1,8 ÷ 2,5
AUE 21 - 50/160A/A	NG 5/18/A	11 + 11 + 1,1	55,5	32	81	19	2,3 ÷ 3	2 ÷ 2,7	2,6 ÷ 3,3
AUE 21 - 50/200B/A	NG 5/16/A	11 + 11 + 1,1	51	41,5	78	23	3,3 ÷ 4	3 ÷ 3,7	3,6 ÷ 4,3
AUE 21 - 50/200A/A	NG 6/18/A	15 + 15 + 1,5	51	49	78	32,5	4 ÷ 4,7	3,7 ÷ 4,4	4,3 ÷ 5
AUE 21 - 50/200S/A	NG 6/18/A	18,5+18,5+1,5	51	54,5	78	37	4,6 ÷ 5,2	4,2 ÷ 4,8	5 ÷ 5,7
AUE 21 - 50/250C/A	NG 5/16/A	15 + 15 + 1,1	46,5	48,5	69	24,5	3,5 ÷ 4,2	3,2 ÷ 3,9	3,8 ÷ 4,5
AUE 21 - 50/250B/A	NG 7/18/B	18,5+18,5+2,2	46,5	62	69	43	5 ÷ 5,6	4,7 ÷ 5,3	5,4 ÷ 6
AUE 21 - 50/250A/A	NG 7/16/B	22 + 22 + 2,2	46,5	75	69	58,5	6,5 ÷ 7,2	6,2 ÷ 6,9	6,8 ÷ 7,5
AUE 21 - 65/160B/B	NG 5/18/A	15 + 15 + 1,1	90	30	132	23	2,4 ÷ 3	2 ÷ 2,6	2,8 ÷ 3,5
AUE 21 - 65/160AR	NG 5/18/A	18,5+18,5+1,1	90	34	132	27	2,8 ÷ 3,4	2,4 ÷ 3	3,2 ÷ 3,8
AUE 21 - 65/160A/B	NG 5/18/A	18,5+18,5+1,1	90	38	132	32	3,2 ÷ 3,8	2,8 ÷ 3,4	3,5 ÷ 4,2
AUE 21 - 65/200C/A	NG 5/16/A	18,5+18,5+1,1	90	38,5	132	27	3,4 ÷ 4	3 ÷ 3,6	3,8 ÷ 4,5
AUE 21 - 65/200B/A	NG 5/16/A	22 + 22 + 1,1	90	45,5	132	35	3,9 ÷ 4,5	3,5 ÷ 4,1	4,3 ÷ 5
AUE 21 - 65/200A/A	NG 6/18/A	30 + 30 + 1,5	90	52	132	41,5	4,5 ÷ 5,2	4,1 ÷ 4,8	5 ÷ 5,6
AUE 21 - 65/250C/A	NG 7/18/B	30 + 30 + 2,2	78	59	108	50	5,4 ÷ 6	5 ÷ 5,6	5,8 ÷ 6,5
AUE 21 - 65/250B/A	NG 7/16/B	37 + 37 + 2,2	78	76	108	67	7 ÷ 7,6	6,6 ÷ 7,2	7,4 ÷ 8
AUE 21 - 65/250A/A	NMD 25/190A/B	45 + 45 + 4	78	87	108	78	7,8 ÷ 8,5	7,4 ÷ 8,1	8,3 ÷ 9
AUE 21 - 80/160B/B	NG 5/18/A	18,5+18,5+1,1	134	31	192	22	2,4 ÷ 3	2 ÷ 2,6	2,8 ÷ 3,5
AUE 21 - 80/160A/B	NG 5/18/A	22 + 22 + 1,1	134	36	192	28	2,8 ÷ 3,4	2,4 ÷ 3	3,3 ÷ 3,9
AUE 21 - 80/200B/A	NG 6/18/A	30 + 30 + 1,5	128	42	180	32	3,5 ÷ 4,2	3,1 ÷ 3,8	4 ÷ 4,7
AUE 21 - 80/200A/A	NG 6/18/A	37 + 37 + 1,5	128	52	180	43	4,5 ÷ 5,2	4,1 ÷ 4,8	5 ÷ 5,7
AUE 21 - 80/250E/A	NG 6/18/A	30 + 30 + 1,5	128	43	180	29	4,1 ÷ 4,7	3,7 ÷ 4,3	4,5 ÷ 5,1
AUE 21 - 80/250D/A	NG 7/18/B	37 + 37 + 2,2	134	56	192	41	5,5 ÷ 6,1	5,1 ÷ 5,7	5,9 ÷ 6,5
AUE 21 - 80/250C/A	NG 7/16/B	45 + 45 + 2,2	134	67	192	51	6,3 ÷ 6,9	5,9 ÷ 6,5	6,8 ÷ 7,4
AUE 21 - 80/250B/A	NG 7/16/B	55 + 55 + 2,2	134	78	192	63	7,2 ÷ 7,9	6,8 ÷ 7,5	7,8 ÷ 8,4
AUE 21 - 80/250A/A	NMD 25/190A/B	75 + 75 + 4	134	90	192	76	8,3 ÷ 9	7,9 ÷ 8,6	8,8 ÷ 9,4
AUE 21 - 100/200E/A	NG 5/22/A	22 + 22 + 1,1	174	26	240	19	2 ÷ 2,6	1,6 ÷ 2,2	2,4 ÷ 3
AUE 21 - 100/200D/A	NG 6/22/A	30 + 30 + 1,5	189	31	270	19	2,5 ÷ 3,2	2,1 ÷ 2,8	3 ÷ 3,7
AUE 21 - 100/200C/A	NG 7/22/B	37 + 37 + 2,2	204	39	300	22	3,5 ÷ 4,1	3,1 ÷ 3,7	3,9 ÷ 4,6
AUE 21 - 100/200B/A	NG 7/18/B	45 + 45 + 2,2	204	48	300	32	4,4 ÷ 5	4 ÷ 4,6	4,8 ÷ 5,5
AUE 21 - 100/200A/A	NG 7/18/B	55 + 55 + 2,2	204	57	300	42	4,8 ÷ 5,5	4,4 ÷ 5,1	5,4 ÷ 6
AUE 21 - 100/250B/A	NG 7/16/B	75 + 75 + 2,2	204	65	300	48	6 ÷ 6,8	5,6 ÷ 6,4	6,6 ÷ 7,3
AUE 21 - 100/250A/A	NMD 25/190A/B	92 + 92 + 4	204	85	300	67	7,8 ÷ 8,5	7,4 ÷ 8,1	8,2 ÷ 9

AUE 11

UNI-EN 12845 units with 1 electric main pump



Dimensions



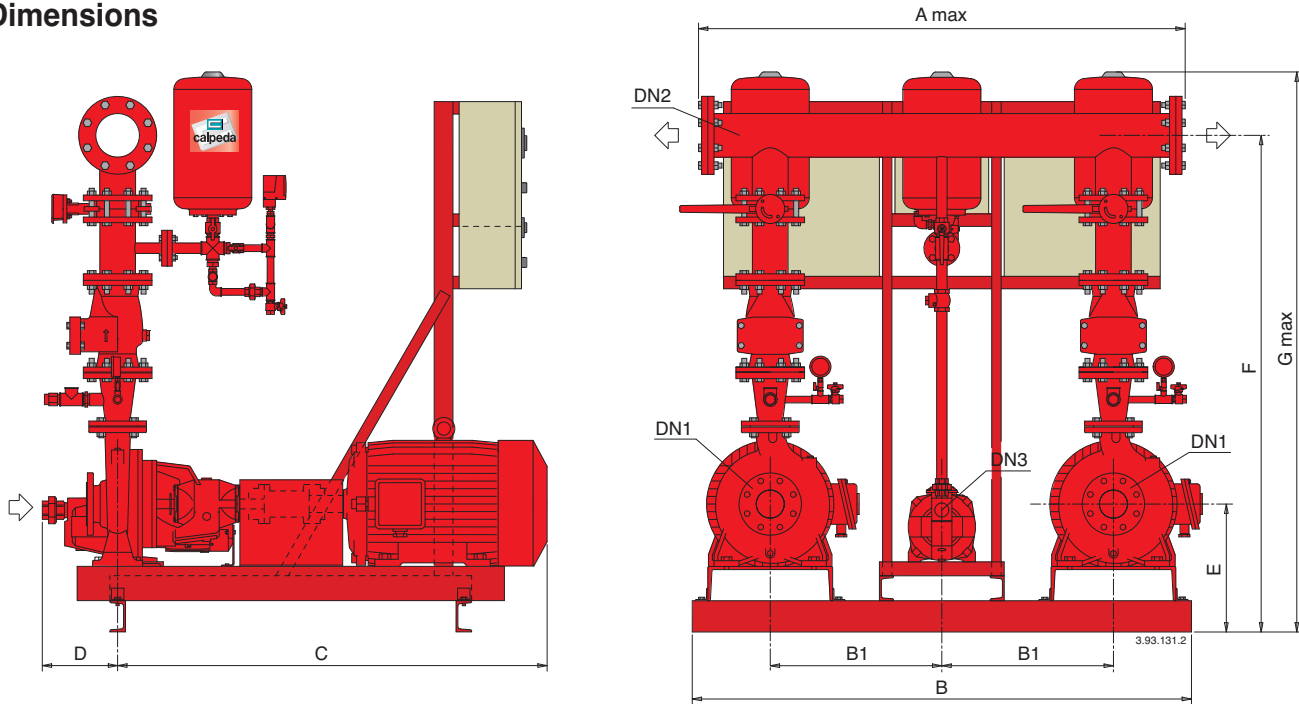
Unit designation		Connections			Dimensions mm									
Main pump	Jockey pump	DN 1	DN 2	DN 3	A	B	B1	C	D	E	F	G		
AUE 11 - 32/160A/A	NG 5/18/A	50	G2	G 1 1/2	750	900	500	835	240	317	1150	1500		
AUE 11 - 32/200C/A	NG 5/16/A	50	G2	G 1 1/2	750	900	500	855	240	345	1200	1500		
AUE 11 - 32/200A/A	NG 6/18/A							915		360			1215	
AUE 11 - 40/160B/A	NG 5/22/A	65	65	G 1 1/2	800	900	500	835	240	317	1290	1530		
AUE 11 - 40/160A/A	NG 5/18/A							855						
AUE 11 - 40/200D/A	NG 5/18/A	65	65	G 1 1/2	800	950	500	855	240	360	1355	1600		
AUE 11 - 40/200B/A	NG 5/16/A							915						
AUE 11 - 40/200A/A	NG 6/18/A							1065						
AUE 11 - 40/250C/A	NG 6/18/A	65	65	G 1 1/2	800	950	500	955	240	380	1420	1660		
AUE 11 - 40/250B/A	NG 7/18/B							1060						
AUE 11 - 40/250A/A	NG 7/16/B							1060						
AUE 11 - 50/160B/A	NG 5/22/A	65	80	G 1 1/2	850	950	550	915	240	360	1380	1615		
AUE 11 - 50/160A/A	NG 5/18/A							1065						
AUE 11 - 50/200B/A	NG 5/16/A	65	80	G 1 1/2	850	1000	550	955	240	360	1400	1635		
AUE 11 - 50/200A/A	NG 6/18/A							1060						
AUE 11 - 50/200S/A	NG 6/18/A							1060						
AUE 11 - 50/250C/A	NG 5/16/A							1060						
AUE 11 - 50/250B/A	NG 7/18/B	65	80	G 1 1/2	850	1000	550	1060	240	380	1445	1700		
AUE 11 - 50/250A/A	NG 7/16/B							1100						
AUE 11 - 65/160B/B	NG 5/18/A	80	100	G 1 1/2	850	1000	550	1060	240	360	1480	1700		
AUE 11 - 65/160AR	NG 5/18/A							1060						
AUE 11 - 65/160A/B	NG 5/18/A							1060						
AUE 11 - 65/200C/A	NG 5/16/A							1100						
AUE 11 - 65/200B/A	NG 5/16/A	80	100	G 1 1/2	850	1000	550	1140	240	380	1525	1740		
AUE 11 - 65/200A/A	NG 6/18/A							1140						
AUE 11 - 65/250C/A	NG 7/18/B							1275						
AUE 11 - 65/250B/A	NG 7/16/B	80	100	G 1 1/2	850	1050	550	1375	240	410	1580	1795		
AUE 11 - 65/250A/A	NMD 25/190A/B							1375						
AUE 11 - 80/160B/B	NG 5/18/A	100	125	G 1 1/2	950	1000	550	1100	250	380	1640	1840		
AUE 11 - 80/160A/B	NG 5/18/A							1140						
AUE 11 - 80/200B/A	NG 6/18/A	100	125	G 1 1/2	950	1000	550	1275	250	380	1675	1875		
AUE 11 - 80/200A/A	NG 6/18/A							1375						
AUE 11 - 80/250E/A	NG 6/18/A							1275						
AUE 11 - 80/250D/A	NG 7/18/B	100	125	G 1 1/2	950	1050	550	1375	250	410	1725	1925		
AUE 11 - 80/250C/A	NG 7/16/B				950			1375		410			1725	1925
AUE 11 - 80/250B/A	NG 7/16/B				950			1375		410			1725	1925
AUE 11 - 80/250A/A	NG 7/16/B				1415			485		1800			2000	
AUE 11 - 80/250A/A	NMD 25/190A/B				1050			1530		515			1830	2030
AUE 11 - 100/200E/A	NG 5/22/A	125	150	G 1 1/2	1300	1200	700	1250	260	410	1805	1990		
AUE 11 - 100/200D/A	NG 6/22/A							1275		410			1805	1990
AUE 11 - 100/200C/A	NG 7/22/B							1375		410			1805	1990
AUE 11 - 100/200B/A	NG 7/18/B							1375		410			1805	1990
AUE 11 - 100/200A/A	NG 7/18/B							1415		485			1880	2065
AUE 11 - 100/250B/A	NG 7/16/B							125		150			G 1 1/2	1300
AUE 11 - 100/250A/A	NMD 25/190A/B	1620	605	2000	2185									

AUE 21

UNI-EN 12845 units with 2 electric main pumps



Dimensions



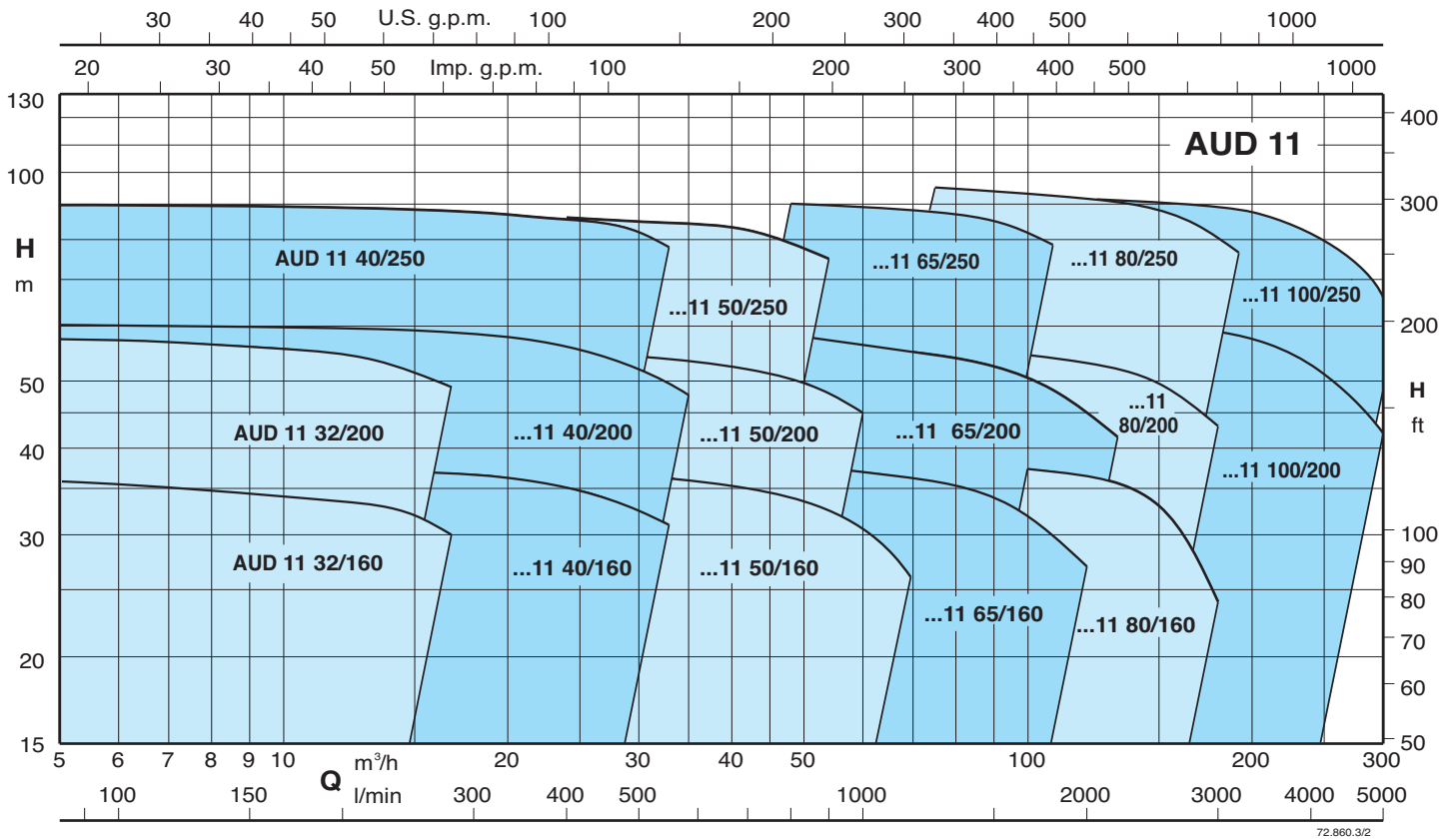
Unit designation		Connections			Dimensions mm																
Main pump	Jockey pump	DN 1	DN 2	DN 3	A	B	B1	C	D	E	F	G									
AUE 21 - 32/160A/A	NG 5/18/A	50	65	G 1 1/2	1200	1350	450	835	240	317	1160	1500									
AUE 21 - 32/200C/A	NG 5/16/A	50	65	G 1 1/2	1200	1350	450	855	240	345	1210	1500									
AUE 21 - 32/200A/A	NG 6/18/A							915		360											
AUE 21 - 40/160B/A	NG 5/22/A	65	80	G 1 1/2	1200	1350	450	835	240	317	1295	1530									
AUE 21 - 40/160A/A	NG 5/18/A							855		360											
AUE 21 - 40/200D/A	NG 5/18/A	65	80	G 1 1/2	1200	1350	450	855	240	360	1360	1600									
AUE 21 - 40/200B/A	NG 5/16/A							915													
AUE 21 - 40/200A/A	NG 6/18/A							915													
AUE 21 - 40/250C/A	NG 6/18/A	65	80	G 1 1/2	1200	1550	450	955	240	380	1425	1660									
AUE 21 - 40/250B/A	NG 7/18/B							1060													
AUE 21 - 40/250A/A	NG 7/16/B							1060													
AUE 21 - 50/160B/A	NG 5/22/A	65	100	G 1 1/2	1400	1500	550	915	240	360	1395	1615									
AUE 21 - 50/160A/A	NG 5/18/A							955													
AUE 21 - 50/200B/A	NG 5/16/A	65	100	G 1 1/2	1400	1500	550	955	240	360	1415	1635									
AUE 21 - 50/200A/A	NG 6/18/A							1060													
AUE 21 - 50/200S/A	NG 6/18/A							1060													
AUE 21 - 50/250C/A	NG 5/16/A							1060													
AUE 21 - 50/250B/A	NG 7/18/B	65	100	G 1 1/2	1400	1550	550	1060	240	380	1460	1700									
AUE 21 - 50/250A/A	NG 7/16/B							1100													
AUE 21 - 65/160B/B	NG 5/18/A	80	125	G 1 1/2	1500	1550	550	1060	240	360	1495	1700									
AUE 21 - 65/160AR	NG 5/18/A							1100													
AUE 21 - 65/160A/B	NG 5/18/A							1140													
AUE 21 - 65/200C/A	NG 5/16/A	80	125	G 1 1/2	1500	1550	550	1100	240	380	1540	1740									
AUE 21 - 65/200B/A	NG 5/16/A							1140													
AUE 21 - 65/200A/A	NG 6/18/A							1140													
AUE 21 - 65/250C/A	NG 7/18/B							1275													
AUE 21 - 65/250B/A	NG 7/16/B	80	125	G 1 1/2	1500	1550	550	1375	240	410	1595	1795									
AUE 21 - 65/250A/A	NMD 25/190A/B							1375													
AUE 21 - 80/160B/B	NG 5/18/A	100	150	G 1 1/2	1500	1550	550	1100	250	380	1655	1840									
AUE 21 - 80/160A/B	NG 5/18/A							1140													
AUE 21 - 80/200B/A	NG 6/18/A	100	150	G 1 1/2	1500	1550	550	1275	250	380	1690	1875									
AUE 21 - 80/200A/A	NG 6/18/A							1375													
AUE 21 - 80/250E/A	NG 6/18/A	100	150	G 1 1/2	1500	1800	550	1275	250	410	1740	1925									
AUE 21 - 80/250D/A	NG 7/18/B							1375													
AUE 21 - 80/250C/A	NG 7/16/B							1275		410			1740								
AUE 21 - 80/250B/A	NG 7/16/B							1415		485			1815	2000							
AUE 21 - 80/250A/A	NMD 25/190A/B							1530		515			1845	2030							
AUE 21 - 100/200E/A	NG 5/22/A							125		200			G 1 1/2	1500	1800	550	1250	260	410	1830	1990
AUE 21 - 100/200D/A	NG 6/22/A	1275																			
AUE 21 - 100/200C/A	NG 7/22/B	1375	410	1830																	
AUE 21 - 100/200B/A	NG 7/18/B	1375	410	1830																	
AUE 21 - 100/200A/A	NG 7/18/B	1415	485	1905	2065																
AUE 21 - 100/250B/A	NG 7/16/B	125	200	G 1 1/2	1500	1800	550		1530		260	515					1935		2095		
AUE 21 - 100/250A/A	NMD 25/190A/B								1620			665									

AUD - AUED

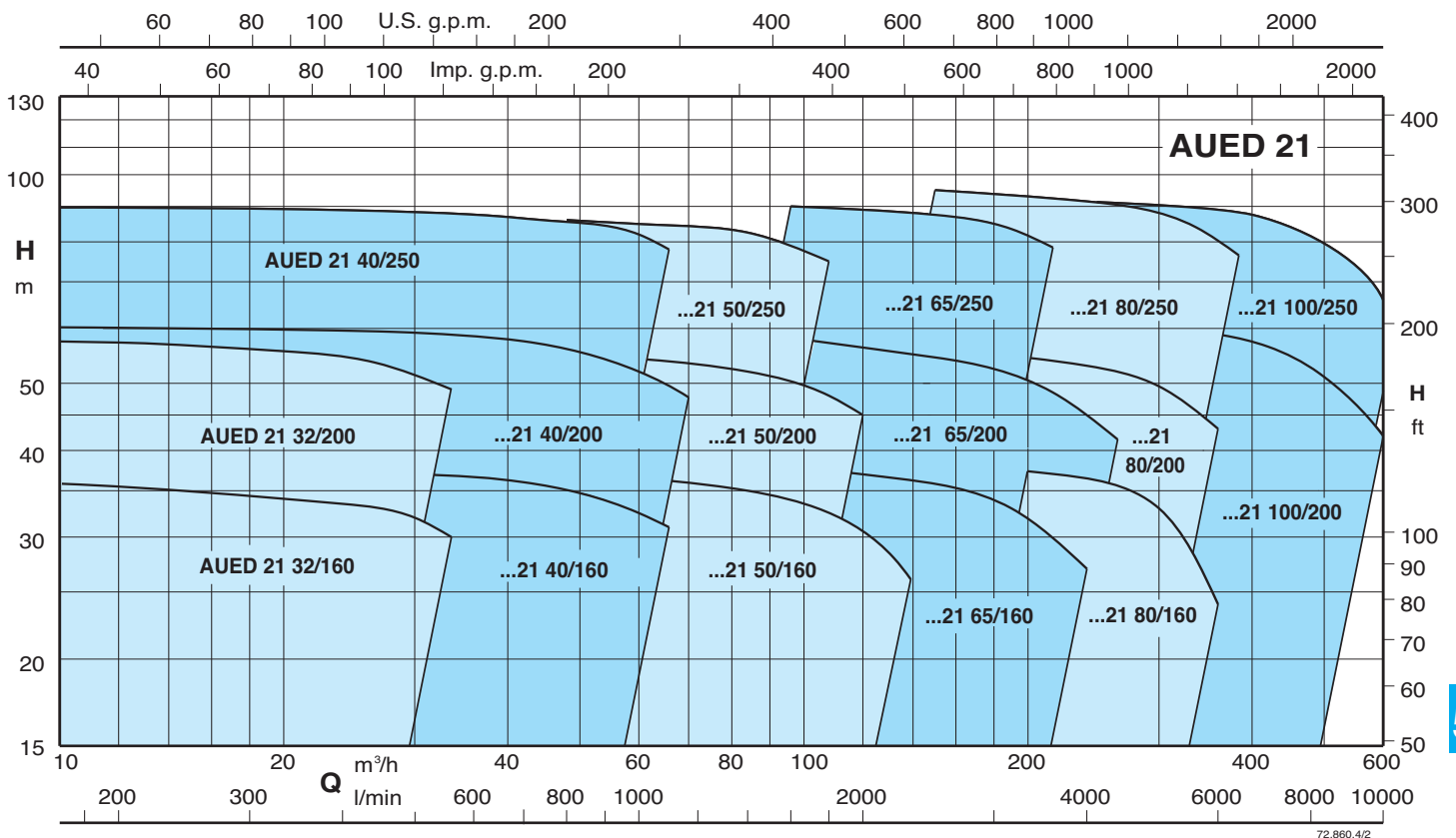
UNI-EN 12845 fire-fighting systems



With 1 pump (diesel motor)



With 2 pumps (electric and diesel motors)



Performance

Unit designation		Power kW	Average capacity pump		Max. capacity pump		Pressure switch settings	
Main pump	Jockey pump		m ³ /h	m	m ³ /h	m	Main pump bar	Jockey pump bar
AUD 11 - 32/160A/A	NG 5/18/A	4,2 / 2900	12	34	16,8	30	2,7 ÷ 3,3	3 ÷ 3,6
AUD 11 - 32/200C/A	NG 5/16/A	4,2 / 2900	12	41	16,8	36	3,6 ÷ 4,2	4 ÷ 4,7
AUD 11 - 32/200A/A	NG 6/18/A	6,1 / 2900	12	54,5	16,8	49	4,7 ÷ 5,4	5 ÷ 5,7
AUD 11 - 40/160B/A	NG 5/22/A	4,2 / 2900	28,5	32,5	42	14	1,8 ÷ 2,5	2,2 ÷ 2,9
AUD 11 - 40/160A/A	NG 5/18/A	6,1 / 2900	32	30	48	17	2,3 ÷ 3	2,8 ÷ 3,5
AUD 11 - 40/200D/A	NG 5/18/A	6,1 / 2900	26,5	31	37,8	14	2,8 ÷ 3,4	3,3 ÷ 4
AUD 11 - 40/200B/A	NG 5/16/A	6,8 / 2900	26,5	44	37,8	30,5	3,6 ÷ 4,3	3,9 ÷ 4,6
AUD 11 - 40/200A/A	NG 6/18/A	10,5 / 2900	29	51	42	35	4,3 ÷ 5	4,6 ÷ 5,3
AUD 11 - 40/250C/A	NG 6/18/A	10,5 / 2900	28,5	55	42	33,5	4,5 ÷ 5,3	4,8 ÷ 5,6
AUD 11 - 40/250B/A	NG 7/18/B	17,5 / 2900	28,5	64,5	42	45	5,5 ÷ 6,3	5,8 ÷ 6,6
AUD 11 - 40/250A/A	NG 7/16/B	26,2 / 2900	28,5	86	42	70,5	7,6 ÷ 8,2	8 ÷ 8,6
AUD 11 - 50/160B/A	NG 5/22/A	6,1 / 2900	55,5	23	81	9,5	1,5 ÷ 2,2	1,8 ÷ 2,5
AUD 11 - 50/160A/A	NG 5/18/A	10,5 / 2900	55,5	32	81	19	2,3 ÷ 3	2,6 ÷ 3,3
AUD 11 - 50/200B/A	NG 5/16/A	10,5 / 2900	51	41,5	78	23	3,3 ÷ 4	3,6 ÷ 4,3
AUD 11 - 50/200A/A	NG 6/18/A	17,5 / 2900	51	49	78	32,5	4 ÷ 4,7	4,3 ÷ 5
AUD 11 - 50/200S/A	NG 6/18/A	17,5 / 2900	51	54,5	78	37	4,6 ÷ 5,2	5 ÷ 5,7
AUD 11 - 50/250C/A	NG 5/16/A	17,5 / 2900	46,5	48,5	69	24,5	3,5 ÷ 4,2	3,8 ÷ 4,5
AUD 11 - 50/250B/A	NG 7/18/B	26,2 / 2900	46,5	62	69	43	5 ÷ 5,6	5,4 ÷ 6
AUD 11 - 50/250A/A	NG 7/16/B	26,2 / 2900	46,5	75	69	58,5	6,5 ÷ 7,2	6,8 ÷ 7,5
AUD 11 - 65/160B/B	NG 5/18/A	17,5 / 2900	90	30	132	23	2,4 ÷ 3	2,8 ÷ 3,5
AUD 11 - 65/160AR	NG 5/18/A	26,2 / 2900	90	36	132	27	2,8 ÷ 3,4	3,2 ÷ 3,8
AUD 11 - 65/160A/B	NG 5/18/A	26,2 / 2900	90	38	132	32	3,2 ÷ 3,8	3,6 ÷ 4,2
AUD 11 - 65/200C/A	NG 5/16/A	26,2 / 2900	90	38,5	132	27	3,4 ÷ 4	3,8 ÷ 4,5
AUD 11 - 65/200B/A	NG 5/16/A	26,2 / 2900	90	45,5	132	35	3,9 ÷ 4,5	4,3 ÷ 5
AUD 11 - 65/200A/A	NG 6/18/A	32,5 / 2900	90	52	132	41,5	4,5 ÷ 5,2	5 ÷ 5,6
AUD 11 - 65/250C/A	NG 7/18/B	32,5 / 2900	78	59	108	50	5,4 ÷ 6	5,8 ÷ 6,5
AUD 11 - 65/250B/A	NG 7/16/B	48 / 2900	78	76	108	67	7 ÷ 7,6	7,4 ÷ 8
AUD 11 - 65/250A/A	NMD 25/190A/B	48 / 2900	78	87	108	78	7,8 ÷ 8,5	8,3 ÷ 9
AUD 11 - 80/160B/B	NG 5/18/A	17,5 / 2900	134	31	192	22	2,4 ÷ 3	2,8 ÷ 3,5
AUD 11 - 80/160A/B	NG 5/18/A	26,2 / 2900	134	36	192	28	2,8 ÷ 3,4	3,3 ÷ 3,9
AUD 11 - 80/200B/A	NG 6/18/A	26,2 / 2900	128	42	180	32	3,5 ÷ 4,2	4 ÷ 4,7
AUD 11 - 80/200A/A	NG 6/18/A	32,5 / 2900	128	52	180	43	4,5 ÷ 5,2	5 ÷ 5,7
AUD 11 - 80/250E/A	NG 6/18/A	26,2 / 2900	128	43	180	29	4,1 ÷ 4,7	4,5 ÷ 5,1
AUD 11 - 80/250D/A	NG 7/18/B	32,5 / 2900	134	60	192	41	5,5 ÷ 6,1	5,9 ÷ 6,5
AUD 11 - 80/250C/A	NG 7/16/B	48 / 2900	134	67	192	51	6,3 ÷ 6,9	6,8 ÷ 7,4
AUD 11 - 80/250B/A	NG 7/16/B	61 / 2900	134	78	192	63	7,2 ÷ 7,9	7,8 ÷ 8,4
AUD 11 - 80/250A/A	NMD 25/190A/B	61 / 2900	134	90	192	76	8,3 ÷ 9	8,8 ÷ 9,4
AUD 11 - 100/200E/A	NG 5/22/A	26,2 / 2900	174	26	240	19	2 ÷ 2,6	2,4 ÷ 3
AUD 11 - 100/200D/A	NG 6/22/A	26,2 / 2900	189	31	270	19	2,5 ÷ 3,2	3 ÷ 3,7
AUD 11 - 100/200C/A	NG 7/22/B	32,5 / 2900	204	39	300	22	3,5 ÷ 4,1	3,9 ÷ 4,6
AUD 11 - 100/200B/A	NG 7/18/B	48 / 2900	204	48	300	32	4,4 ÷ 5	4,8 ÷ 5,5
AUD 11 - 100/200A/A	NG 7/18/B	61 / 2900	204	57	300	42	4,8 ÷ 5,5	5,4 ÷ 6
AUD 11 - 100/250B/A	NG 7/16/B	61 / 2900	204	65	300	48	6 ÷ 6,8	6,6 ÷ 7,3
AUD 11 - 100/250A/A	NMD 25/190A/B	93,5 / 2900	204	85	300	67	7,8 ÷ 8,5	8,2 ÷ 9

Jockey pump	kW	Diesel motors	kW*	* Continuous rating overloading capacity, NA curve.
NG 5/16/A	1,1	15LD350	4,2	
NG 5/18/A	1,1	15LD440	6,1	
NG 5/22/A	1,1	15LD500	6,8	
NG 6/18/A	1,5	25LD425-2	10,5	
NG 6/22/A	1,5	9LD625-2	17,5	
NG 7/16/B	2,2	11LD625-3	26,2	
NG 7/18/B	2,2	D703L.F30	32,5	
NMD 25/190AE	4	D703LT.F30	48	
		D704LT.F30	61	
		D706LT.F30	93,5	

Performance

Unit designation	Jockey pump	Motors power		Average capacity of one pump		Max. capacity of one pump		Pressure switch settings		
		Electric	diesel	m ³ /h	m	m ³ /h	m	Pump 1 bar	Pump 2 bar	Jockey pump bar
AUED 21 - 32/160A/A - 32/160A/A	NG 5/18/A	3	4,2 / 2900	12	34	16,8	30	2,7 ÷ 3,3	2,3 ÷ 2,9	3 ÷ 3,6
AUED 21 - 32/200C/A - 32/200C/A	NG 5/16/A	4	4,2 / 2900	12	41	16,8	36	3,6 ÷ 4,2	3,2 ÷ 3,8	4 ÷ 4,7
AUED 21 - 32/200A/A - 32/200A/A	NG 6/18/A	5,5	6,1 / 2900	12	54,5	16,8	49	4,7 ÷ 5,4	4,3 ÷ 5	5 ÷ 5,7
AUED 21 - 40/160B/A - 40/160B/A	NG 5/22/A	4	4,2 / 2900	28,5	32,5	42	14	1,8 ÷ 2,5	1,5 ÷ 2,3	2,2 ÷ 2,9
AUED 21 - 40/160A/A - 40/160A/A	NG 5/18/A	5,5	6,1 / 2900	32	30	48	17	2,3 ÷ 3	2 ÷ 2,7	2,8 ÷ 3,5
AUED 21 - 40/200D/A - 40/200D/A	NG 5/18/A	5,5	6,1 / 2900	26,5	31	37,8	14	2,8 ÷ 3,4	2,4 ÷ 3	3,3 ÷ 4
AUED 21 - 40/200B/A - 40/200B/A	NG 5/16/A	7,5	6,8 / 2900	26,5	44	37,8	30,5	3,6 ÷ 4,3	3,3 ÷ 4	3,9 ÷ 4,6
AUED 21 - 40/200A/A - 40/200A/A	NG 6/18/A	11	10,5 / 2900	29	51	42	35	4,3 ÷ 5	4 ÷ 4,7	4,6 ÷ 5,3
AUED 21 - 40/250C/A - 40/250C/A	NG 6/18/A	11	10,5 / 2900	28,5	55	42	33,5	4,5 ÷ 5,3	4,2 ÷ 5,1	4,8 ÷ 5,6
AUED 21 - 40/250B/A - 40/250B/A	NG 7/18/B	15	17,5 / 2900	28,5	64,5	42	45	5,5 ÷ 6,3	5,2 ÷ 6	5,8 ÷ 6,6
AUED 21 - 40/250A/A - 40/250A/A	NG 7/16/B	18,5	26,2 / 2900	28,5	86	42	70,5	7,6 ÷ 8,2	7,2 ÷ 7,8	8 ÷ 8,6
AUED 21 - 50/160B/A - 50/160B/A	NG 5/22/A	7,5	6,1 / 2900	55,5	23	81	9,5	1,5 ÷ 2,2	1,2 ÷ 1,9	1,8 ÷ 2,5
AUED 21 - 50/160A/A - 50/160A/A	NG 5/18/A	11	10,5 / 2900	55,5	32	81	19	2,3 ÷ 3	2 ÷ 2,7	2,6 ÷ 3,3
AUED 21 - 50/200B/A - 50/200B/A	NG 5/16/A	11	10,5 / 2900	51	41,5	78	23	3,3 ÷ 4	3 ÷ 3,7	3,6 ÷ 4,3
AUED 21 - 50/200A/A - 50/200A/A	NG 6/18/A	15	17,5 / 2900	51	49	78	32,5	4 ÷ 4,7	3,7 ÷ 4,4	4,3 ÷ 5
AUED 21 - 50/200S/A - 50/200S/A	NG 6/18/A	18,5	17,5 / 2900	51	49	78	32,5	4 ÷ 4,7	3,7 ÷ 4,4	4,3 ÷ 5
AUED 21 - 50/250C/A - 50/250C/A	NG 5/16/A	15	17,5 / 2900	46,5	48,5	69	24,5	3,5 ÷ 4,2	3,2 ÷ 3,9	3,8 ÷ 4,5
AUED 21 - 50/250B/A - 50/250B/A	NG 7/18/B	18,5	26,2 / 2900	46,5	62	69	43	5 ÷ 5,6	4,7 ÷ 5,3	5,4 ÷ 6
AUED 21 - 50/250A/A - 50/250A/A	NG 7/16/B	22	26,2 / 2900	46,5	75	69	58,5	6,5 ÷ 7,2	6,2 ÷ 6,9	6,8 ÷ 7,5
AUED 21 - 65/160B/B - 65/160B/B	NG 5/18/A	15	17,5 / 2900	90	30	132	23	2,4 ÷ 3	2 ÷ 2,6	2,8 ÷ 3,5
AUED 21 - 65/160AR - 65/160AR	NG 5/18/A	18,5	26,2 / 2900	90	36	132	27	2,8 ÷ 3,4	2,4 ÷ 3	3,2 ÷ 3,8
AUED 21 - 65/160A/B - 65/160A/B	NG 5/18/A	18,5	26,2 / 2900	90	38	132	32	3,2 ÷ 3,8	2,8 ÷ 3,4	3,6 ÷ 4,2
AUED 21 - 65/200C/A - 65/200C/A	NG 5/16/A	18,5	26,2 / 2900	90	38,5	132	27	3,4 ÷ 4	3 ÷ 3,6	3,8 ÷ 4,5
AUED 21 - 65/200B/A - 65/200B/A	NG 5/16/A	22	26,2 / 2900	90	45,5	132	35	3,9 ÷ 4,5	3,5 ÷ 4,1	4,3 ÷ 5
AUED 21 - 65/200A/A - 65/200A/A	NG 6/18/A	30	32,5 / 2900	90	52	132	41,5	4,5 ÷ 5,2	4,1 ÷ 4,8	5 ÷ 5,6
AUED 21 - 65/250C/A - 65/250C/A	NG 7/18/B	30	32,5 / 2900	78	59	108	50	5,4 ÷ 6	5 ÷ 5,6	5,8 ÷ 6,5
AUED 21 - 65/250B/A - 65/250B/A	NG 7/16/B	37	48 / 2900	78	76	108	67	7 ÷ 7,6	6,6 ÷ 7,2	7,4 ÷ 8
AUED 21 - 65/250A/A - 65/250A/A	NMD 25/190A/B	45	48 / 2900	78	87	108	78	7,8 ÷ 8,5	7,4 ÷ 8,1	8,3 ÷ 9
AUED 21 - 80/160B/B - 80/160B/B	NG 5/18/A	18,5	17,5 / 2900	134	31	192	22	2,4 ÷ 3	2 ÷ 2,6	2,8 ÷ 3,5
AUED 21 - 80/160A/B - 80/160A/B	NG 5/18/A	22	26,2 / 2900	134	36	192	28	2,8 ÷ 3,4	2,4 ÷ 3	3,3 ÷ 3,9
AUED 21 - 80/200B/A - 80/200B/A	NG 6/18/A	30	26,2 / 2900	128	42	180	32	3,5 ÷ 4,2	3,1 ÷ 3,8	4 ÷ 4,7
AUED 21 - 80/200A/A - 80/200A/A	NG 6/18/A	37	32,5 / 2900	128	52	180	43	4,5 ÷ 5,2	4,1 ÷ 4,8	5 ÷ 5,7
AUED 21 - 80/250E/A - 80/250E/A	NG 6/18/A	30	26,2 / 2900	128	43	180	29	4,1 ÷ 4,7	3,7 ÷ 4,3	4,5 ÷ 5,1
AUED 21 - 80/250D/A - 80/250D/A	NG 7/18/B	37	32,5 / 2900	134	56	192	41	5,5 ÷ 6,1	5,1 ÷ 5,7	5,9 ÷ 6,5
AUED 21 - 80/250C/A - 80/250C/A	NG 7/16/B	45	48 / 2900	134	67	192	51	6,3 ÷ 6,9	5,9 ÷ 6,5	6,8 ÷ 7,4
AUED 21 - 80/250B/A - 80/250B/A	NG 7/16/B	55	61 / 2900	134	78	192	63	7,2 ÷ 7,9	6,8 ÷ 7,5	7,8 ÷ 8,4
AUED 21 - 80/250A/A - 80/250A/A	NMD 25/190A/B	75	61 / 2900	134	90	192	76	8,3 ÷ 9	7,9 ÷ 8,6	8,8 ÷ 9,4
AUED 21 - 100/200E/A - 100/200E/A	NG 5/22/A	22	26,2 / 2900	174	26	240	19	2 ÷ 2,6	1,6 ÷ 2,2	2,4 ÷ 3
AUED 21 - 100/200D/A - 100/200D/A	NG 6/22/A	30	26,2 / 2900	189	31	270	19	2,5 ÷ 3,2	2,1 ÷ 2,8	3 ÷ 3,7
AUED 21 - 100/200C/A - 100/200C/A	NG 7/22/B	37	32,5 / 2900	204	39	300	22	3,5 ÷ 4,1	3,1 ÷ 3,7	3,9 ÷ 4,6
AUED 21 - 100/200B/A - 100/200B/A	NG 7/18/B	45	48 / 2600	204	48	300	32	4,4 ÷ 5	4 ÷ 4,6	4,8 ÷ 5,5
AUED 21 - 100/200A/A - 100/200A/A	NG 7/18/B	55	61 / 2900	204	57	300	42	4,8 ÷ 5,5	4,4 ÷ 5,1	5,4 ÷ 6
AUED 21 - 100/250B/A - 100/250B/A	NG 7/16/B	75	61 / 2900	204	65	300	48	6 ÷ 6,8	5,6 ÷ 6,4	6,6 ÷ 7,3
AUED 21 - 100/250A/A - 100/250A/A	NMD 25/190A/B	92	93,5 / 2900	204	85	300	67	7,8 ÷ 8,5	7,4 ÷ 8,1	8,2 ÷ 9

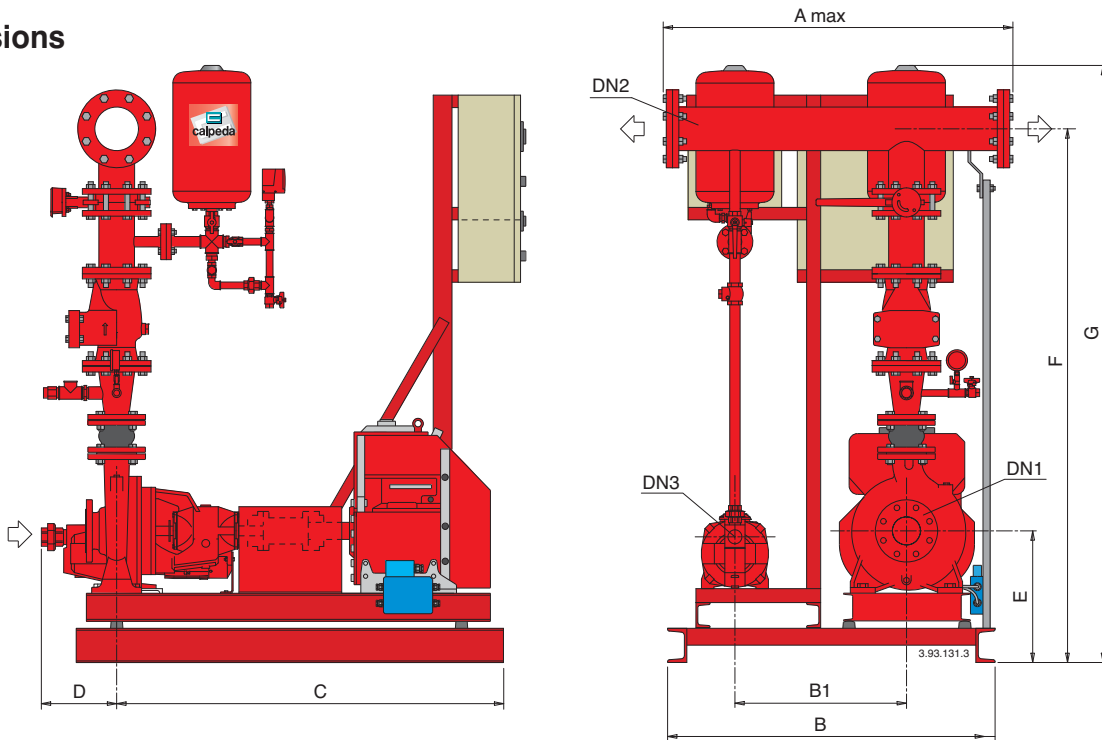
Jockey pump	kW	Diesel motors	kW*	* Continuous rating overloading capacity, NA curve.
NG 5/16/A	1,1	15LD350	4,2	
NG 5/18/A	1,1	15LD440	6,1	
NG 5/22/A	1,1	15LD500	6,8	
NG 6/18/A	1,5	25LD425-2	10,5	
NG 6/22/A	1,5	9LD625-2	17,5	
NG 7/16/B	2,2	11LD625-3	26,2	
NG 7/18/B	2,2	D703L.F30	32,5	
NMD 25/190AE	4	D703LT.F30	48	
		D704LT.F30	61	
		D706LT.F30	93,5	

AUD 11

UNI-EN 12845 units with 1 main pump (diesel motor)



Dimensions



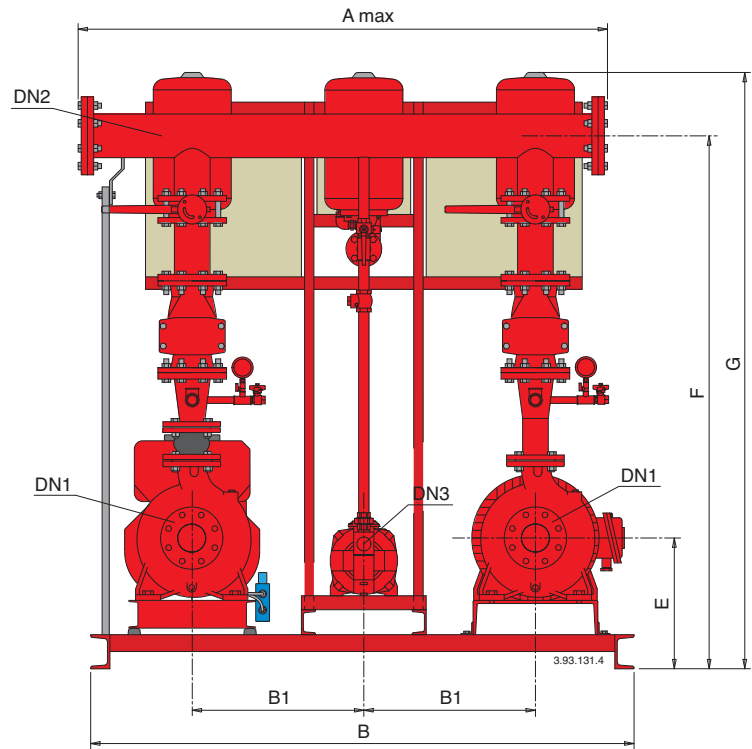
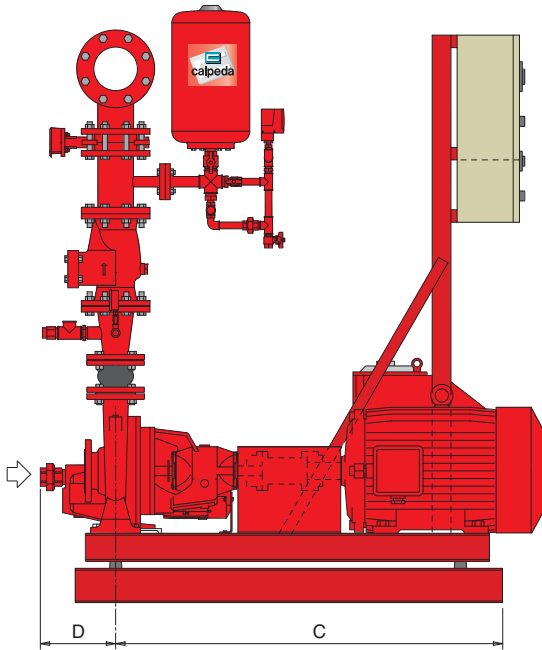
Unit designation		Connections			Dimensions mm							
Main pump	Jockey pump	DN 1	DN 2	DN 3	A	B	B1	C	D	E	F	G
AUD 11 - 32/160A/A	NG 5/18/A	50	G2	G 1 1/2	1150	1000	500	900	240	532	1470	1695
AUD 11 - 32/200C/A	NG 5/16/A	50	G2	G 1 1/2	1150	1000	500	950	240	560	1520	1745
AUD 11 - 32/200A/A	NG 6/18/A									570	1680	1920
AUD 11 - 40/160B/A	NG 5/22/A	65	65	G 1 1/2	1200	1000	500	950	240	532	1620	1860
AUD 11 - 40/160A/A	NG 5/18/A									570	1680	1920
AUD 11 - 40/200D/A	NG 5/18/A	65	65	G 1 1/2	1200	1050	500	1000	240	560	1670	1910
AUD 11 - 40/200B/A	NG 5/16/A									570	1680	1920
AUD 11 - 40/200A/A	NG 6/18/A									570	1680	1920
AUD 11 - 40/250C/A	NG 6/18/A									590	1745	1985
AUD 11 - 40/250B/A	NG 7/18/B	65	65	G 1 1/2	1200	1050	500	1200	240	605	1760	2000
AUD 11 - 40/250A/A	NG 7/16/B									605	1760	2000
AUD 11 - 50/160B/A	NG 5/22/A									570	1720	1955
AUD 11 - 50/160A/A	NG 5/18/A	65	80	G 1 1/2	1250	1050	550	1000	240	570	1740	1975
AUD 11 - 50/200B/A	NG 5/16/A									585	1755	1990
AUD 11 - 50/200A/A	NG 6/18/A	65	80	G 1 1/2	1250	1050	550	1200	240	585	1755	1990
AUD 11 - 50/200S/A	NG 6/18/A									585	1755	1990
AUD 11 - 50/250C/A	NG 5/16/A	65	80	G 1 1/2	1250	1050	550	1200	240	605	1800	2035
AUD 11 - 50/250B/A	NG 7/18/B							1200		605	1800	2035
AUD 11 - 50/250A/A	NG 7/16/B							1400		625	1820	2055
AUD 11 - 65/160B/B	NG 5/18/A							80		100	G 1 1/2	1300
AUD 11 - 65/160AR	NG 5/18/A	80	100	G 1 1/2	1300	1200	550	1400	240	605	1885	2100
AUD 11 - 65/160A/B	NG 5/18/A									625	1905	2120
AUD 11 - 65/200C/A	NG 5/16/A									625	1905	2120
AUD 11 - 65/200B/A	NG 5/16/A	80	100	G 1 1/2	1300	1200	550	1500	240	645	1950	2165
AUD 11 - 65/250C/A	NG 7/18/B							1750		665	1970	2185
AUD 11 - 65/250B/A	NG 7/16/B							1750		665	1970	2185
AUD 11 - 65/250A/A	NMD 25/190A/B							1750		665	1970	2185
AUD 11 - 80/160B/B	NG 5/18/A	100	125	G 1 1/2	1300	1200	550	1500	250	605	2035	2235
AUD 11 - 80/160A/B	NG 5/18/A									625	2055	2255
AUD 11 - 80/200B/A	NG 6/18/A	100	125	G 1 1/2	1300	1200	550	1700	250	645	2110	2310
AUD 11 - 80/200A/A	NG 6/18/A									665	2130	2330
AUD 11 - 80/250E/A	NG 6/18/A	100	125	G 1 1/2	1300	1200	550	1500	250	645	2130	2330
AUD 11 - 80/250D/A	NG 7/18/B					1250		665		2150	2350	
AUD 11 - 80/250C/A	NG 7/16/B					1250		665		2150	2350	
AUD 11 - 80/250B/A	NG 7/16/B					1350		665		2150	2350	
AUD 11 - 80/250A/A	NMD 25/190A/B					1250		665		2150	2350	
AUD 11 - 100/200E/A	NG 5/22/A					125		150		G 1 1/2	1500	1250
AUD 11 - 100/200D/A	NG 6/22/A	1250	645	2220	2405							
AUD 11 - 100/200C/A	NG 7/22/B	1250	665	2240	2425							
AUD 11 - 100/200B/A	NG 7/18/B	1250	665	2240	2425							
AUD 11 - 100/200A/A	NG 7/18/B	1300	665	2240	2425							
AUD 11 - 100/250B/A	NG 7/16/B	1250	690	2265	2450							
AUD 11 - 100/250A/A	NMD 25/190A/B	1350	735	2310	2495							

AUED 21

UNI-EN 12845 units with 2 main pumps (electric and diesel motor)



Dimensions



Unit designation				Connections			Dimensions mm							
Main pump	Electric	Diesel	Jockey pump	DN 1	DN 2	DN 3	A	B	B1	C	D	E	F	G
AUED 21 - 32/160A/A - 32/160A/A			NG 5/18/A	50	65	G 1 1/2	1450	1400	450	900	240	532	1480	1695
AUED 21 - 32/200C/A - 32/200C/A			NG 5/16/A	50	65	G 1 1/2	1450	1400	450	950	240	560	1530	1745
AUED 21 - 32/200A/A - 32/200A/A			NG 6/18/A											
AUED 21 - 40/160B/A - 40/160B/A			NG 5/22/A	65	80	G 1 1/2	1500	1400	450	950	240	532	1625	1860
AUED 21 - 40/160A/A - 40/160A/A			NG 5/18/A					1450						
AUED 21 - 40/200D/A - 40/200D/A			NG 5/18/A	65	80	G 1 1/2	1500	1450	450	1000	240	560	1675	1910
AUED 21 - 40/200B/A - 40/200B/A			NG 5/16/A							1000		570	1685	1920
AUED 21 - 40/200A/A - 40/200A/A			NG 6/18/A							1150		570	1685	1920
AUED 21 - 40/250C/A - 40/250C/A			NG 6/18/A	65	80	G 1 1/2	1500	1450	450	1200	240	590	1750	1985
AUED 21 - 40/250B/A - 40/250B/A			NG 7/18/B									605	1765	2000
AUED 21 - 40/250A/A - 40/250A/A			NG 7/16/B									605	1765	2000
AUED 21 - 50/160B/A - 50/160B/A			NG 5/22/A	65	100	G 1 1/2	1700	1600	550	1000	240	570	1745	1955
AUED 21 - 50/160A/A - 50/160A/A			NG 5/18/A							1150				
AUED 21 - 50/200B/A - 50/200B/A			NG 5/16/A	65	100	G 1 1/2	1700	1600	550	1200	240	570	1755	1975
AUED 21 - 50/200A/A - 50/200A/A			NG 6/18/A									585	1770	1990
AUED 21 - 50/200S/A - 50/200S/A			NG 6/18/A									585	1770	1990
AUED 21 - 50/250C/A - 50/250C/A			NG 5/16/A	65	100	G 1 1/2	1700	1600	550	1200	240	605	1815	2035
AUED 21 - 50/250B/A - 50/250B/A			NG 7/18/B							1200		605	1815	2035
AUED 21 - 50/250A/A - 50/250A/A			NG 7/16/B							1400		625	1835	2055
AUED 21 - 65/160B/B - 65/160B/B			NG 5/18/A	80	125	G 1 1/2	1800	1750	550	1200	240	585	1855	2055
AUED 21 - 65/160AR - 65/160AR			NG 5/18/A											
AUED 21 - 65/160A/B - 65/160A/B			NG 5/18/A											
AUED 21 - 65/200C/A - 65/200C/A			NG 5/16/A	80	125	G 1 1/2	1800	1750	550	1400	240	605	1900	2100
AUED 21 - 65/200B/A - 65/200B/A			NG 5/16/A									625	1920	2120
AUED 21 - 65/200A/A - 65/200A/A			NG 6/18/A									625	1920	2120
AUED 21 - 65/250C/A - 65/250C/A			NG 7/18/B	80	125	G 1 1/2	1800	1750	550	1500	240	645	1965	2165
AUED 21 - 65/250B/A - 65/250B/A			NG 7/16/B							1750		665	1985	2185
AUED 21 - 65/250A/A - 65/250A/A			NMD 25/190A/B							1750		665	1985	2185
AUED 21 - 80/160B/B - 80/160B/B			NG 5/18/A	100	150	G 1 1/2	1800	1750	550	1500	250	605	2050	2235
AUED 21 - 80/160A/B - 80/160A/B			NG 5/18/A									625	2070	2255
AUED 21 - 80/200B/A - 80/200B/A			NG 6/18/A	100	150	G 1 1/2	1800	1800	550	1700	250	645	2125	2310
AUED 21 - 80/200A/A - 80/200A/A			NG 6/18/A									665	2145	2330
AUED 21 - 80/250E/A - 80/250E/A			NG 6/18/A					1750		1500		645	2145	2330
AUED 21 - 80/250D/A - 80/250D/A			NG 7/18/B					1800		1750		665	2165	2350
AUED 21 - 80/250C/A - 80/250C/A			NG 7/16/B	100	150	G 1 1/2	1800	1800	550	1750	250	665	2165	2350
AUED 21 - 80/250B/A - 80/250B/A			NG 7/16/B					1900		1750		665	2165	2350
AUED 21 - 80/250A/A - 80/250A/A			NMD 25/190A/B					1800		1750		665	2165	2350
AUED 21 - 100/200E/A - 100/200E/A			NG 5/22/A							1500		645	2245	2405
AUED 21 - 100/200D/A - 100/200D/A			NG 6/22/A							1500		645	2245	2405
AUED 21 - 100/200C/A - 100/200C/A			NG 7/22/B	125	200	G 1 1/2	2150	1850	700	1700	260	665	2265	2425
AUED 21 - 100/200B/A - 100/200B/A			NG 7/18/B							1700		665	2265	2425
AUED 21 - 100/200A/A - 100/200A/A			NG 7/18/B							1700		665	2265	2425
AUED 21 - 100/250B/A - 100/250B/A			NG 7/16/B	125	200	G 1 1/2	2150	2200	700	1750	260	690	2290	2450
AUED 21 - 100/250A/A - 100/250A/A			NMD 25/190A/B							1900		735	2335	2495

Characteristics of full-jet nozzles

Capacity

Pressure bar	Nozzle diameter mm			
	10	12	16	20
	Flow-rate l/min			
3	115	165	295	460
4	130	190	340	530
5	150	215	380	590
6	160	235	415	650
7	175	250	450	700
8	185	270	480	750

Water-jet range

Pressure bar	Nozzle diameter mm			
	10	12	16	20
	Range m			
3	10 a 20	11 a 22	15 a 30	16 a 33
5	11 a 23	11 a 25	17 a 33	18 a 36
8	12 a 26	12 a 30	19 a 36	20 a 40

Characteristics of sprinkler nozzles

Capacity

Pressure bar	Rated diameter of orifice mm		
	10	15	20
	Flow-rate l/min		
2	80	113	162
3	98	139	199
4	114	160	230
5	127	180	258
6	139	196	282
7	150	214	305
8	161	226	325
9	171	240	345