2 JET PUMP SETS
WITH 2 JET SELF-PRIMING PUMPS

CE

GENERAL DATA

Applications

Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses
The electric pumps employed, the JET self-priming models, offer the ability to function also in the presence of air, gas or small amounts of sand in the water.
These pumps are invaluable when drawing water from artesian wells and in the presence of suction difficulties.
Jet self-priming pumps are notable for their supreme reliability, simplicity of operation and absence of maintenance requirements.
The sets are supplied as standard with tanks and with air supply connector.

Construction features

HYDRAULIC SECTION

- 2 JET type self-priming centrifugal electric pumps;
- Base in tropicalized galvanized sheet steel complete with 4 rubber antivibration feet;
- Threaded suction and discharge manifolds in tropicalized galvanized steel;
- 2 membrane pressure tanks;
- Ball valves with union on suction and discharge ports of each pump;
- Check valve on suction port of each pump;
- 1/4” air supply connectors in suction of each pump;
- 2 Tropicalized cast iron female plugs for closing manifolds;
- Radial pressure gauge with isolator valve;
- 1 pressure transducer on discharge manifold (pressure detection).

ELECTRICAL SECTION

Control panel made of impact-resistant self-extinguishing plastic with IP55 protection rating installed on the discharge manifold of the set.
The control panel protects the electric pumps and starts them in sequence, keeping the system at a factory-set average pressure value.
The average pressure value can be adjusted by means of a trimmer located inside the panel.
At each operating cycle the pumps starting sequence is inverted.

Front panel components:
- main disconnect switch with padlockable doorlock
- AUT -- MAN operating mode selection buttons
- alarms reset button
- run, trip and alarm indicator lights

Components inside the control panel enclosure:
- control circuit board with fuses and contactors
- power input terminals (single phase or three-phase)
- terminals to connect dry-run or overpressure protection pressure switches (optional)
- N.O. alarm signalling contacts or pressure switches, standard or supplementary tanks)

The control panel is prearranged for the connection of:
• Pressure switch or float switch kit to protect against dry running (*)
• Overpressure cut-out pressure switch kit (*)
(*) **to be ordered separately as an optional**

The pump sets are supplied in a strong carton on a wooden pallet complete with installation / maintenance instructions and wiring diagram.

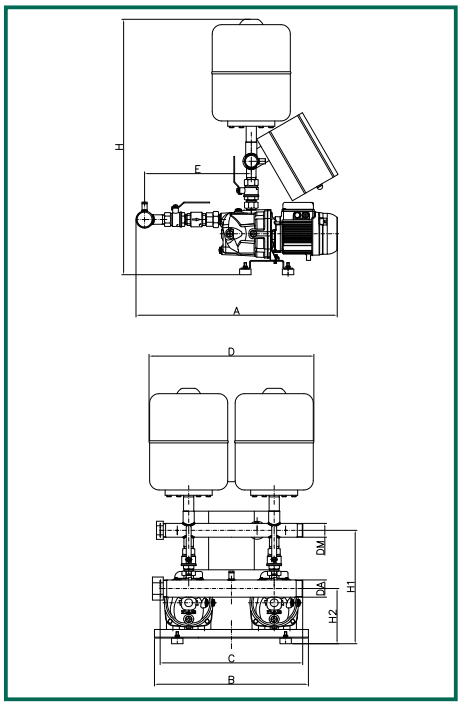
DAB PUMPS reserves the right to make modifications without notice.

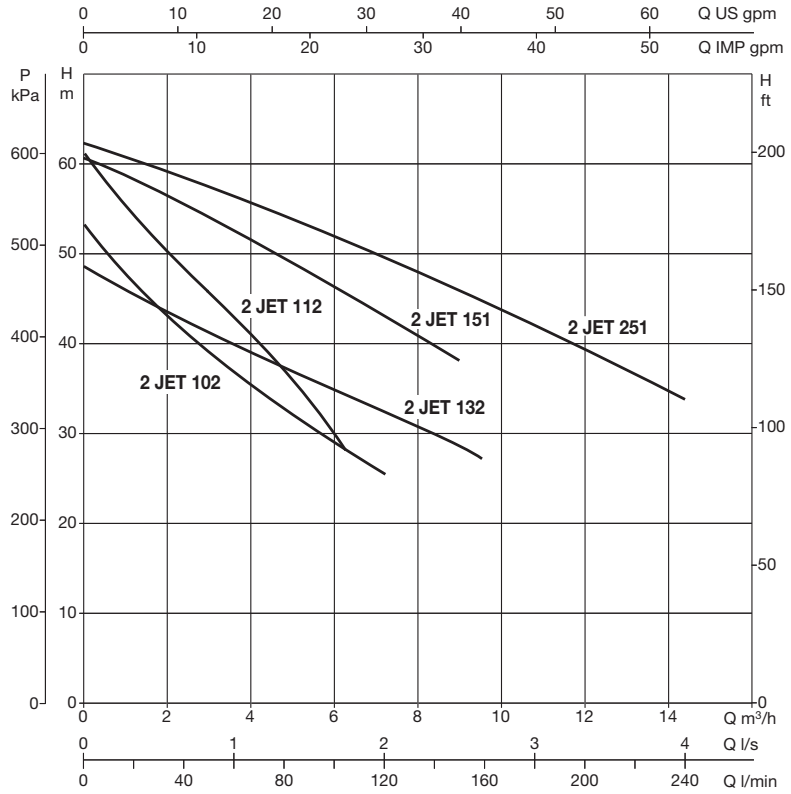
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

2 JET PUMP SETS

Liquid temperature range: from 0°C to +35°C
Maximum ambient temperature: +40°C

Maximum flow rate: 14.4 m³/h





MODEL	A	B	C	D	E	H	H1	H2	Ø MANIFOLDS DNA (suction)	Ø MANIFOLDS DNM (discharge)	WEIGHT Kg
2 JET 102 M	715	540	500	575	385	830	398	194	2"	1 1/2"	71
2 JET 112 M	715	540	500	575	385	830	398	194	2"	1 1/2"	74
2 JET 132 M	715	540	500	575	385	830	398	194	2"	1 1/2"	77
2 JET 151 M	715	540	500	565	385	830	398	194	2"	1 1/2"	101
2 JET 251 M	715	540	500	575	385	830	398	194	2"	1 1/2"	75
2 JET 102 T	715	540	500	575	385	830	398	194	2"	1 1/2"	75
2 JET 112 T	715	540	500	575	385	830	398	194	2"	1 1/2"	78
2 JET 132 T	715	540	500	575	385	830	398	194	2"	1 1/2"	81
2 JET 151 T	960	540	500	565	535	850	458	184	2"	1 1/2"	105
2 JET 251 T	960	540	500	565	535	850	458	184	2"	1 1/2"	108

MODEL	SUPPLY VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	FLOW RATE m³/h	PRESSURE MAX AVAILABLE BAR	STANDARD PRESSURE (BAR)
2 JET 102 M	1x220-240 V ~	2x0,75	2x1	2x5,1	6,6-3,0	5	3,5
2 JET 112 M	1x220-240 V ~	2x1	2x1,36	2x7	6,6-3,0	5,8	4
2 JET 132 M	1x220-240 V ~	2x1	2x1,36	2x7	9,6-3,0	4,6	3
2 JET 151 M	1x220-240 V ~	2x1,1	2x1,5	2x7,2	9,4-5,0	6,1	4
2 JET 251 M	1x220-240 V ~	2x1,85	2x2,5	2x10	14,0-7,2	6,4	4
2 JET 102 T	3x400 V ~	2x0,75	2x1	2x1,98	6,6-3,0	5	3,5
2 JET 112 T	3x400 V ~	2x1	2x1,36	2x2,7	6,6-3,0	5,8	4
2 JET 132 T	3x400 V ~	2x1	2x1,36	2x2,7	9,6-3,0	4,6	3
2 JET 151 T	3x400 V ~	2x1,1	2x1,5	2x3	9,4-5,0	6	4
2 JET 251 T	3x400 V ~	2x1,85	2x2,5	2x4	14,4-7,2	6	4

2 K PUMP SETS
WITH 2 K CENTRIFUGAL PUMPS WITH TWIN OPPOSING IMPELLERS

CE

GENERAL DATA

Applications

Water lifting sets specifically suitable for small and medium systems for civil use.
The use of K type centrifugal electric pumps with twin opposing impellers, featuring an excellent power-pressure ratio, ensures high efficiency and very low noise operation.
These pumps are characterised by their rugged construction, compact dimensions and extreme reliability.
The sets are supplied as standard with tanks and with air supply connector.

Construction features

HYDRAULIC SECTION

- 2 K type twin impeller centrifugal pumps
- Base in tropicalized galvanized sheet steel complete with 4 rubber antivibration feet;
- Threaded suction and discharge manifolds in tropicalized galvanized steel;
- 2 membrane pressure tanks;
- Ball valves with union on suction and discharge ports of each pump;
- Check valve on suction port of each pump;
- 2 Tropicalized cast iron female plugs for closing manifolds;
- 1/4" air supply connectors in suction of each pump;
- Radial pressure gauge with isolator valve;
- 1 pressure transducer on discharge manifold (pressure detection).

ELECTRICAL SECTION

Control panel made of impact-resistant self-extinguishing plastic with IP55 protection rating installed on the discharge manifold of the set.
The control panel protects the electric pumps and starts them in sequence, keeping the system at a factory-set average pressure value.
The average pressure value can be adjusted by means of a trimmer located inside the panel.
At each operating cycle the pumps starting sequence is inverted.

Front panel components:
- main disconnect switch with padlockable doorlock
- AUT -- MAN operating mode selection buttons
- alarms reset button
- run, trip and alarm indicator lights

Components inside the control panel enclosure:
- control circuit board, fuses, and contactors
- power input terminals (single phase or three-phase)
- terminals to connect dry-run or overpressure protection pressure switches (optional)
- N.O. alarm signalling contacts
- function selection mini dipswitches (pressure transmitter or pressure switches, standard or supplementary tanks).

The control panel is prearranged for the connection of:
• Pressure switch or float switch kit to protect against dry running (*)
• Overpressure cut-out pressure switch kit (*)
(*) **to be ordered separately as an optional**

The pump sets are supplied in a strong carton on a wooden pallet complete with installation / maintenance instructions and wiring diagram.

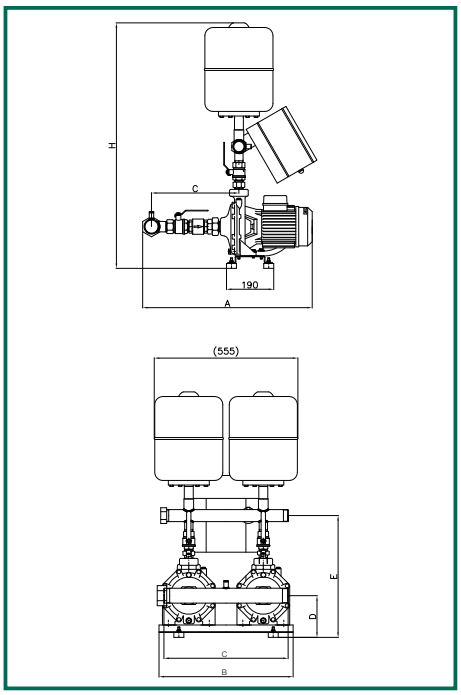
DAB PUMPS reserves the right to make modifications without notice.

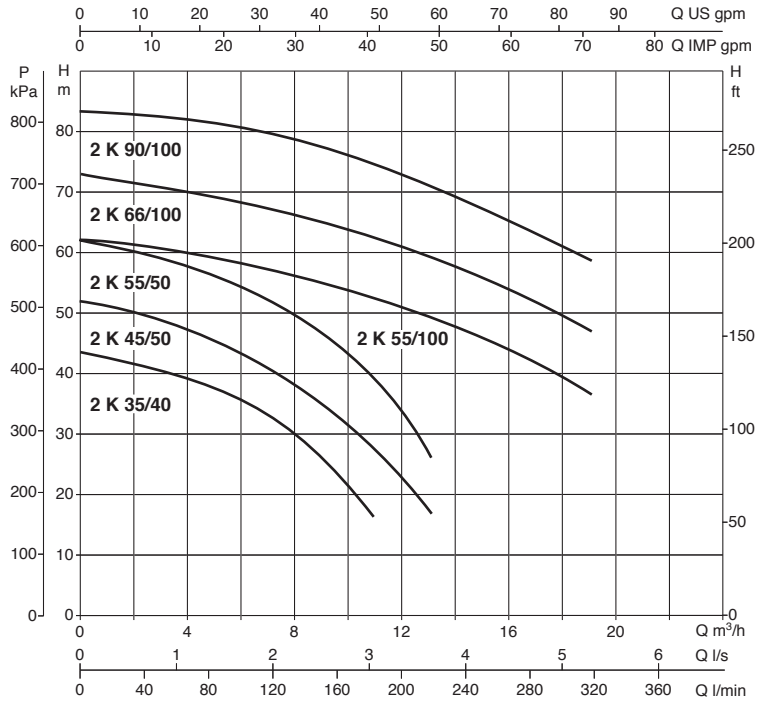
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

2 K PUMP SETS

Liquid temperature range: from -10°C a +50°C (K 35/40 - K 45/50 - K 55/100) Maximum flow rate: 19 m³/h
from -10°C a +70°C (K 55/50 - K 66/100 - K 90/100)

Maximum ambient temperature: +40°C





MODEL	A	B	C	D	E	H	H1	H2	Ø MANIFOLDS DNA (suction)	Ø MANIFOLDS DNM (discharge)	WEIGHT Kg
2 K 35/40 M	700	540	500	555	400	910	457	150	2"	1 1/2"	69
2 K 45/50 M	700	540	500	555	400	910	480	205	2"	1 1/2"	85
2 K 55/50 M	700	540	500	555	400	910	480	205	2"	1 1/2"	92
2 K 35/40 T	700	540	500	555	400	910	457	150	2"	1 1/2"	73
2 K 45/50 T	700	540	500	555	400	910	480	205	2"	1 1/2"	89
2 K 55/50 T	700	540	500	555	400	910	480	205	2"	1 1/2"	92
2 K 55/100 T	900	580	500	545	400	1120	570	220	2 1/2"	2 1/2"	155
2 K 66/100 T	900	580	500	545	400	1120	570	220	2 1/2"	2 1/2"	160
2 K 90/100 T	900	580	500	545	400	1120	570	220	2 1/2"	2 1/2"	167

MODEL	SUPPLY VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	FLOW RATE m³/h	PRESSURE MAX AVAILABLE BAR	STANDARD PRESSURE (BAR)
2 K 35/40 M	1x220-240 V ~	2x0,75	2x1	2x5,5	9,0-6,0	4,2	2,5
2 K 45/50 M	1x220-240 V ~	2x1,1	2x1,5	2x8,3	10,8-6,0	5,2	3,5
2 K 55/50 M	1x220-240 V ~	2x1,85	2x2,5	2x12,8	12,0-7,0	6,2	4
2 K 35/40 T	3x400 V ~	2x0,75	2x1	2x3,5	9,6-6,0	4,2	2,5
2 K 45/50 T	3x400 V ~	2x1,1	2x1,5	2x3,6	10,8-6,0	5,2	3,5
2 K 55/50 T	3x400 V ~	2x1,85	2x2,5	2x4,8	12,0-7,0	6,2	4
2 K 55/100 T	3x400 V ~	2x2,2	2x3	2x6,7	18,0-10,0	6,2	4
2 K 66/100 T	3x400 V ~	2x3	2x4	2x8,4	18,0-10,0	7,3	5
2 K 90/100 T	3x400 V ~	2x4	2x5,5	2x9,7	21,0-14,0	8,4	6

1-2-3 KVC PUMP SETS

WITH 1-2-3 MULTISTAGE VERTICAL AXIS CENTRIFUGAL PUMPS

GENERAL DATA

Applications

Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses.
The use of multistage vertical axis centrifugal pumps is a guarantee of high performance and efficiency levels.
These pumps are characterised by their compact dimensions, rugged construction, extreme reliability and very low noise operation.

Construction features

HYDRAULIC SECTION

- KVC type 1-2-3 multistage vertical axis electric pumps;
- Skid in galvanized sheet steel;
- Suction and discharge manifolds in AISI 304 stainless steel (1KVC without suction manifold) ;
- 1 - 2 - 3 membrane pressure tanks;
- Ball valves with union on suction and discharge ports of each pump;
- Check valves with union on suction ports of each pump;
- 1/4" air supply connectors in suction of each pump;
- 2 INOX female plugs for closing manifolds;
- Axial pressure gauge with isolator valve;
- Galvanized steel column for mounting of control cabinet.

Electrical section

1KVC PUMP SETS

Single-phase version. 1 two-pole pressure switch connected to electric pump, complete with power plug.
Three-phase version. Remote motor protector panel with reset pushbutton, 1 two-pole pressure switch connected to electric pump.

2KVC PUMP SETS

Control panel in impact-resistant self-extinguishing plastic with IP 55 protection rating. The control panel protects the electric pumps and starts them in sequence, keeping the system at a factory-set average pressure value.
The average pressure value can be adjusted by means of a trimmer located inside the panel.
At each operating cycle the pumps starting sequence is inverted.
Pressure detection is performed by a pressure transmitter installed on the discharge manifold.

Front panel components:
- main disconnect switch with padlockable doorlock
- AUT -- MAN operating mode selection buttons
- alarms RESET button
- run, trip and alarm indicator lights

Components inside the control panel enclosure
- control circuit board, fuses, contactors
- power input terminals (single phase or three-phase)
- terminals to connect dry-run or overpressure protection pressure switches (optional)
- N.O. alarm signalling contacts
- function selection mini dipswitches (pressure transmitter or pressure switches, standard or supplementary tanks).

3KVC PUMP SETS

Control panel in impact-resistant self-extinguishing plastic with IP 55 protection rating. The control panel enclosure houses the main power switch, thermal magnetic cut-outs to protect the electric pumps, electric pump starting sequence changeover system, low voltage 24V control circuit, MAN-0-AUT selectors. (start pushbuttons for single-phase version panel), indicator lights on front panel. Installed on specifically designed column mounted on pumps skid.
3 preset pressure switches for pumps starting / stopping.

The control panel of 2KVC and 3KVC pump sets is prearrange for connection of:
Pressure switch or float switch kit to protect against dry running (*)
Overpressure cut-out pressure switch kit (*)

(*) to be ordered separately as an optional

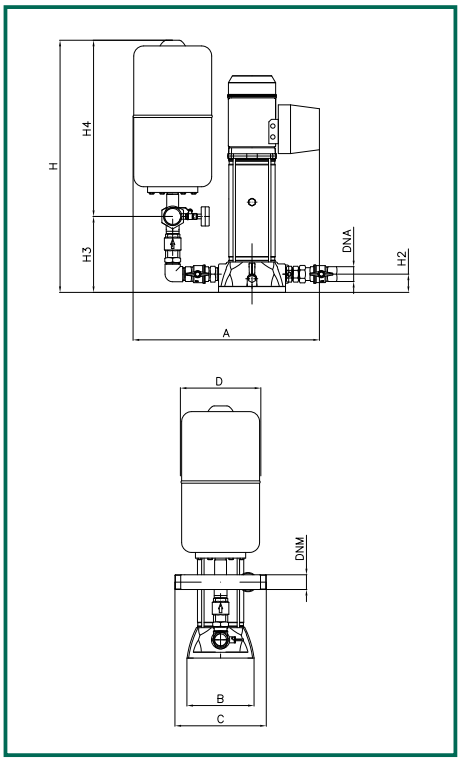
The pump sets are supplied in a strong carton on a wooden pallet complete with installation / maintenance instructions and wiring diagram.

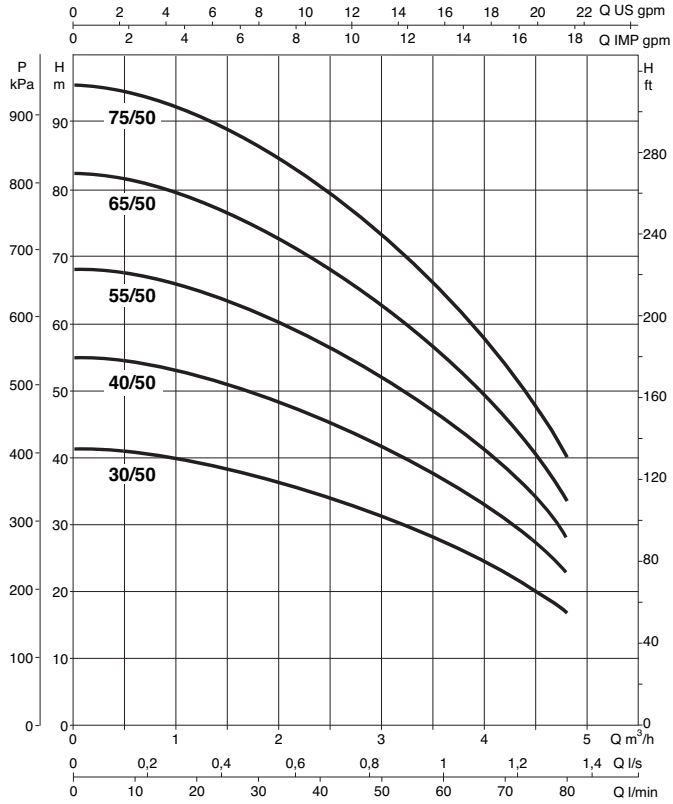
DAB PUMPS reserves the right to make modifications without notice.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

1 KVC 50 PUMP SETS

Liquid temperature range: from -10°C to +50°C
Maximum ambient temperature: +40°C





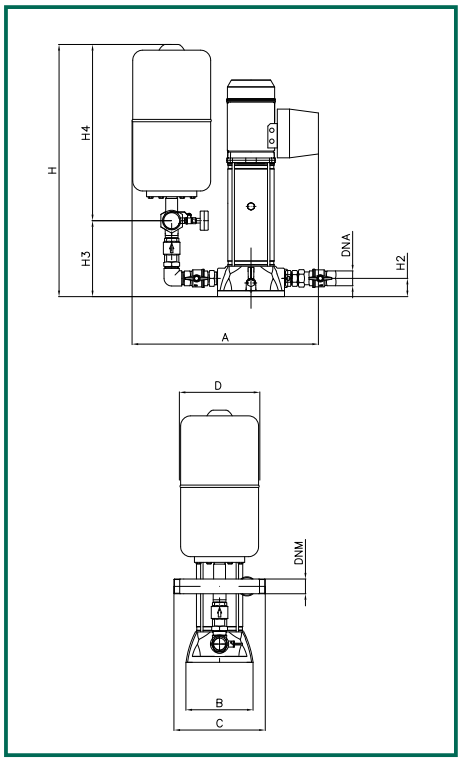
MODEL	A	B	C	D	H	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
									DNA (suction)	DNM (discharge)	Monophase	Three-phase
GRUPPI 1KVC 30/50	630	300	300	260	730	60	290	450	1" 1/4	1" 1/2	26	26
GRUPPI 1KVC 40/50	630	300	300	260	730	60	290	450	1" 1/4	1" 1/2	28	28
GRUPPI 1KVC 55/50	630	300	300	260	730	60	290	450	1" 1/4	1" 1/2	29	29
GRUPPI 1KVC 65/50	630	300	300	260	730	60	290	450	1" 1/4	1" 1/2	32	32
GRUPPI 1KVC 75/50	630	300	300	260	730	60	290	450	1" 1/4	1" 1/2	33	32

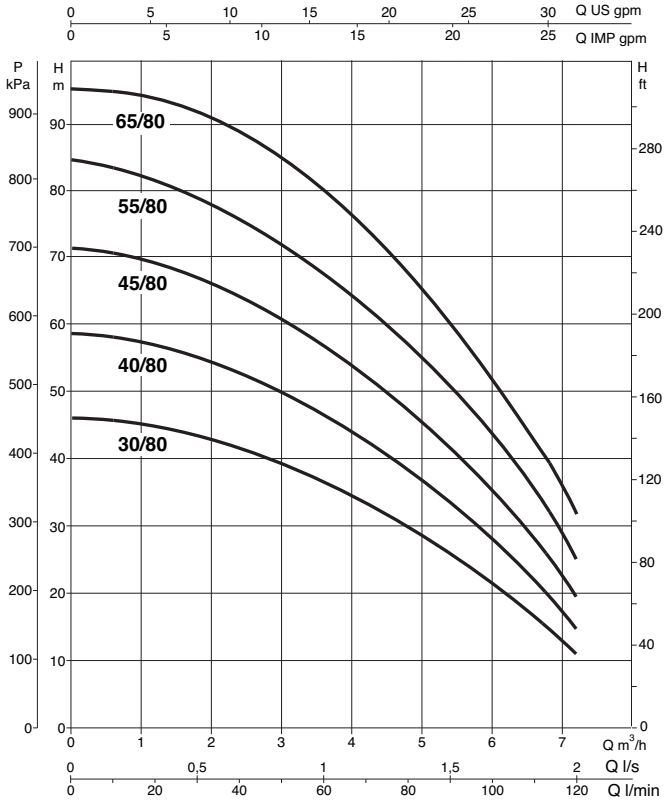
MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH
	50 Hz	kW	HP	A	m³/h	BAR	BAR
1KVC 30/50 M	1x 220-240 v	0,55	0,75	4	4,5 - 1	4	2,5 – 3,5
1KVC 30/50 T	3x 400 v	0,55	0,75	1,4	4,5 - 1	4	2,5 – 3,5
1KVC 40/50 M	1x 220-240 v	0,8	1,1	5,6	4,5 – 1	5,2	4 – 5
1KVC 40/50 T	3x 400 v	0,8	1,1	2,2	4,5 – 1	5,2	4 – 5
1KVC 55/50 M	1x 220-240 v	1	1,36	6,4	4,5 – 1	6,5	5 – 6
1KVC 55/50 T	3x 400 v	1	1,36	2,6	4,5 – 1	6,5	5 – 6
1KVC 65/50 M	1x 220-240 v	1,1	1,5	7,4	4,5 – 1	8	6,5 – 7,5
1KVC 65/50 T	3x 400 v	1,1	1,5	3,1	4,5 – 1	8	6,5 – 7,5
1KVC 75/50 M	1x 220-240 v	1,5	2	9	4,5 – 1	9	7,5 – 8,5
1KVC 75/50 T	3x 400 v	1,5	2	3,6	4,5 – 1	9	7,5 – 8,5

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

1 KVC 80 PUMP SETS

Liquid temperature range: from -10°C to +50°C
Maximum ambient temperature: +40°C





MODEL	A	B	C	D	H	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
									DNA (suction)	DNM (discharge)	Monophase	Three-phase
GRUPPI 1KVC 30/80	620	300	300	260	730	60	290	450	1" 1/4	1" 1/2	28	27
GRUPPI 1KVC 40/80	620	300	300	260	730	60	290	450	1" 1/4	1" 1/2	29	29
GRUPPI 1KVC 45/80	620	300	300	260	730	60	290	450	1" 1/4	1" 1/2	32	32
GRUPPI 1KVC 55/80	620	300	300	260	730	60	290	450	1" 1/4	1" 1/2	33	32
GRUPPI 1KVC 65/80	620	300	300	260	730	60	290	450	1" 1/4	1" 1/2	-	34

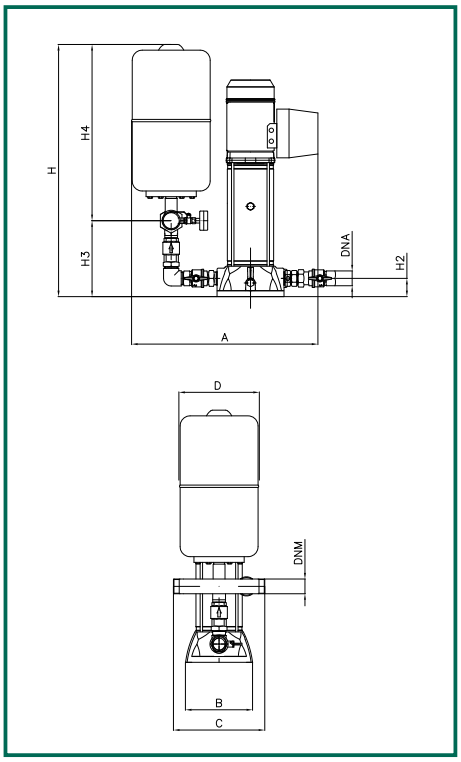
MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH CALIBRATION
	50 Hz	kW	HP	A	m³/h	BAR	BAR
1KVC 30/80 M	1x 220-240 v	0,8	1,1	5,6	7 - 2	4,5	3 – 4
1KVC 30/80 T	3x 400 v	0,8	1,1	2,2	7 - 2	4,5	3 – 4
1KVC 40/80 M	1x 220-240 v	1	1,36	6,5	7 – 2	5,5	4 – 5
1KVC 40/80 T	3x 400 v	1	1,36	2,6	7 – 2	5,5	4 – 5
1KVC 45/80 M	1x 220-240 v	1,1	1,5	7,4	7 – 2	6,8	5 – 6
1KVC 45/80 T	3x 400 v	1,1	1,5	3,1	7 – 2	6,8	5 – 6
1KVC 55/80 M	1x 220-240 v	1,5	2	9	7 – 2	8	6 – 7
1KVC 55/80 T	3x 400 v	1,5	2	3,6	7 – 2	8	6 – 7
1KVC 65/80 T	3x 400 v	2,2	3	4	7 - 2	9,2	7 – 8

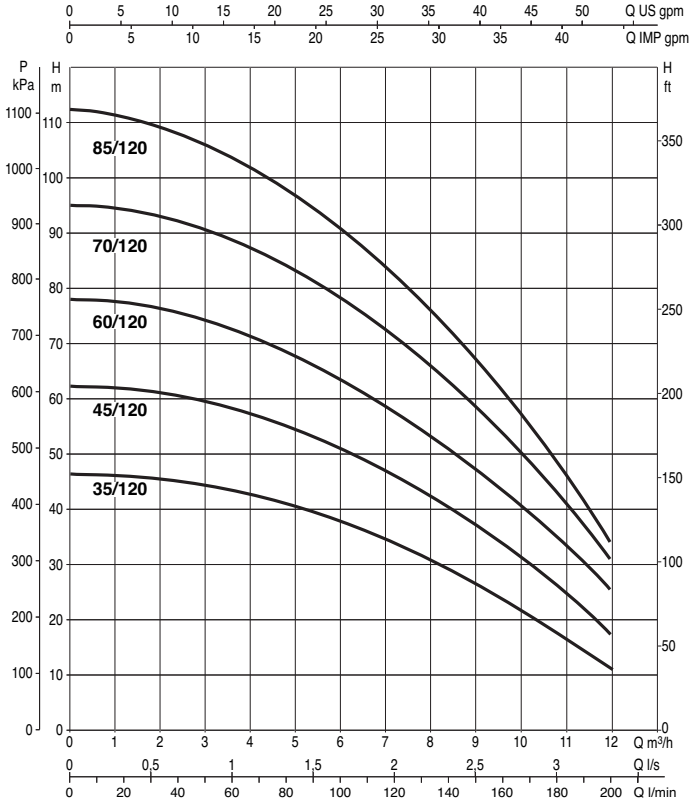
DAB PUMPS reserves the right to make modifications without notice.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

1 KVC 120 PUMP SETS

Liquid temperature range: from -10°C to +50°C
Maximum ambient temperature: +40°C





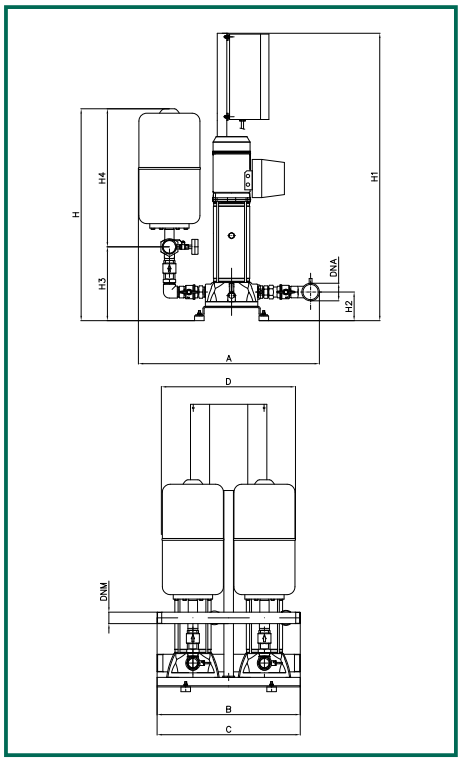
MODEL	A	B	C	D	H	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
									DNA (suction)	DNM (discharge)	Monophase	Three-phase
GRUPPI 1KVC 35/120	620	300	300	260	730	260	290	450	1" 1/4	1" 1/2	32	32
GRUPPI 1KVC 45/120	620	300	300	260	730	260	290	450	1" 1/4	1" 1/2	44	34
GRUPPI 1KVC 60/120	620	300	300	260	730	260	290	450	1" 1/4	1" 1/2	-	36
GRUPPI 1KVC 70/120	620	300	300	260	730	260	290	450	1" 1/4	1" 1/2	-	38
GRUPPI 1KVC 85/120	620	300	300	260	730	260	290	450	1" 1/4	1" 1/2	-	39

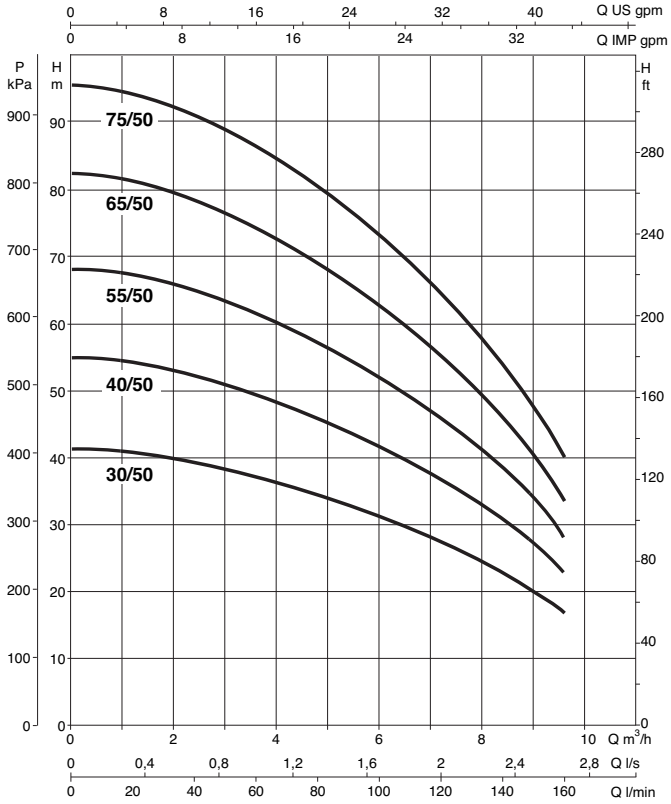
MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH CALIBRATION
	50 Hz	kW	HP	A	m³/h	BAR	BAR
1KVC 35/120 M	1x 220-240 v	1,1	1,5	7,4	11 – 2	4,5	3 – 4
1KVC 35/120 T	3x 400 v	1,1	1,5	3,5	11 – 2	4,5	3 – 4
1KVC 45/120 M	1x 220-240 v	1,85	2,5	12	11 – 2	6	4,5 – 5,5
1KVC 45/120 T	3x 400 v	1,85	2,5	4,6	11 – 2	6	4,5 – 5,5
1KVC 60/120 T	3x 400 v	2,2	3	5,4	11 – 2	7,5	5,5 – 6,5
1KVC 70/120 T	3x 400 v	3	4	6,8	11 – 2	9	7 – 8
1KVC 85/120 T	3x 400 v	3	4	7,8	11 – 2	10,5	9 – 10

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

2 KVC 50 PUMP SETS

Liquid temperature range: from -10°C to +50°C
Maximum ambient temperature: +40°C





MODEL	A	B	C	D	H	H1	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
										DNA (suction)	DNM (discharge)	Monophase	Three-phase
2KVC 30/50	760	550	500	560	800	920	95	260	610	2"	2"	70	70
2KVC 40/50	760	550	500	560	800	920	95	260	610	2"	2"	74	74
2KVC 55/50	760	550	500	560	800	920	95	260	610	2"	2"	76	76
2KVC 65/50	760	550	500	560	800	920	95	260	610	2"	2"	82	81
2KVC 75/50	760	550	500	560	800	920	95	260	610	2"	2"	84	83

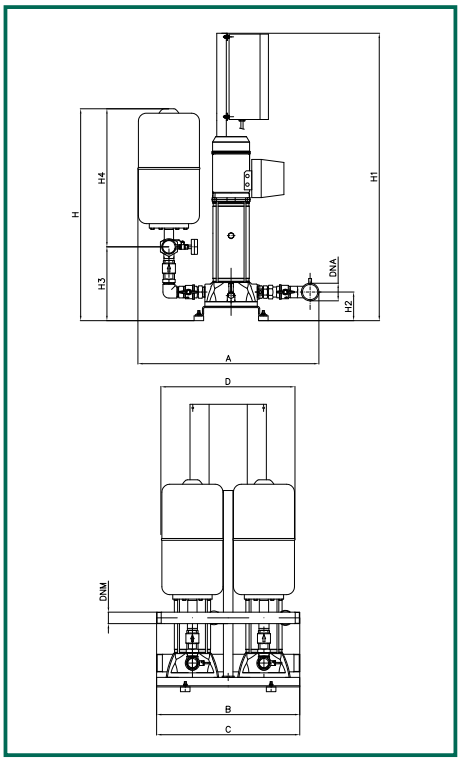
MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH CALIBRATION
	50 Hz	kW	HP	A	m³/h	BAR	BAR
2KVC 30/50 M	1x 220-240 v	2x 0,55	2x 0,75	2x 4	9 - 1	4	2,5
2KVC 30/50 T	3x 400 v	2x 0,55	2x 0,75	2x 1,4	9 – 1	4	2,5
2KVC 40/50 M	1x 220-240 v	2x 0,8	2x 1,1	2x 5,6	9 – 1	5,2	3,5
2KVC 40/50 T	3x 400 v	2x 0,8	2x 1,1	2x 2,2	9 – 1	5,2	3,5
2KVC 55/50 M	1x 220-240 v	2x 1	2x 1,36	2x 6,4	9 – 1	6,5	4,5
2KVC 55/50 T	3x 400 v	2x 1	2x 1,36	2x 2,6	9 – 1	6,5	4,5
2KVC 65/50 M	1x 220-240 v	2x 1,1	2x 1,5	2x 7,4	9 – 1	8	5,5
2KVC 65/50 T	3x 400 v	2x 1,1	2x 1,5	2x 3,1	9 – 1	8	5,5
2KVC 75/50 M	1x 220-240 v	2x 1,5	2x 2	2x 9	9 – 1	9	6,5
2KVC 75/50 T	3x 400 v	2x 1,5	2x 2	2x 3,6	9 – 1	9	6,5

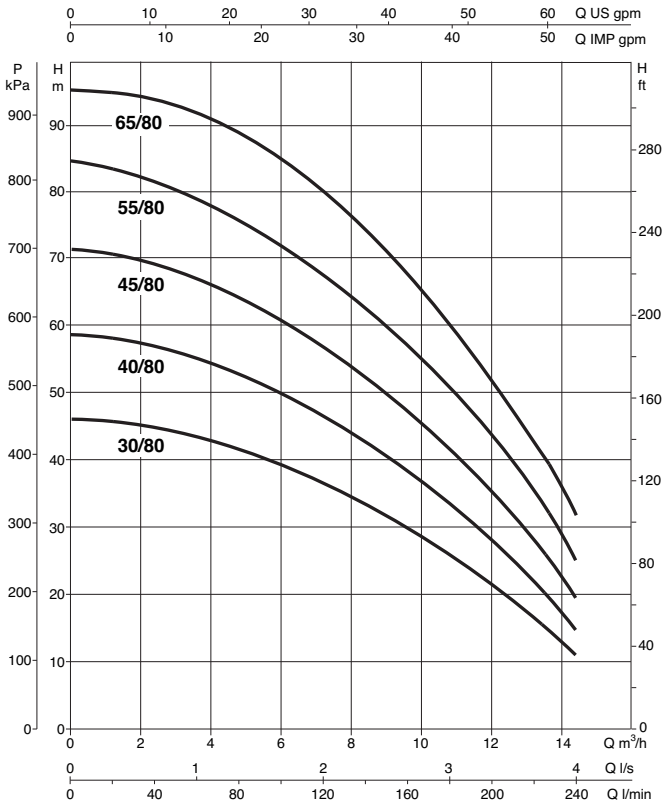
DAB PUMPS reserves the right to make modifications without notice.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

2 KVC 80 PUMP SETS

Liquid temperature range: from -10°C to +50°C
Maximum ambient temperature: +40°C





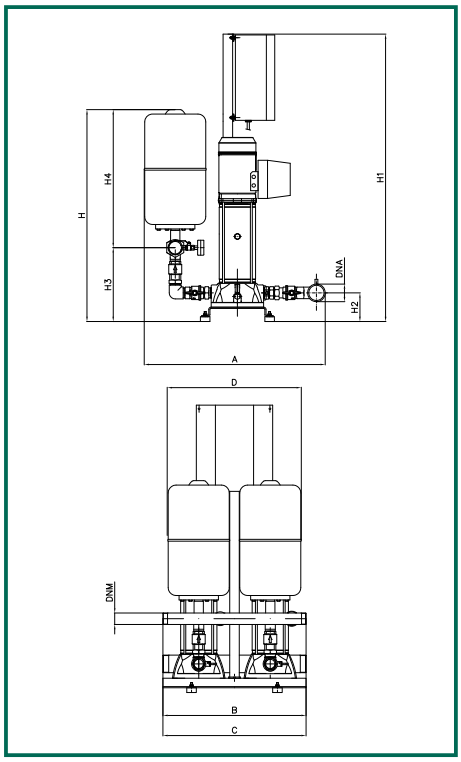
MODEL	A	B	C	D	H	H1	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
										DNA (suction)	DNM (discharge)	Monophase	Three-phase
2KVC 30/80	760	550	500	560	800	920	95	260	610	2"	2"	73	73
2KVC 40/80	760	550	500	560	800	920	95	260	610	2"	2"	76	76
2KVC 45/80	760	550	500	560	800	920	95	260	610	2"	2"	82	82
2KVC 55/80	760	550	500	560	800	920	95	260	610	2"	2"	84	82
2KVC 65/80	760	550	500	560	800	920	95	260	610	2"	2"	-	85

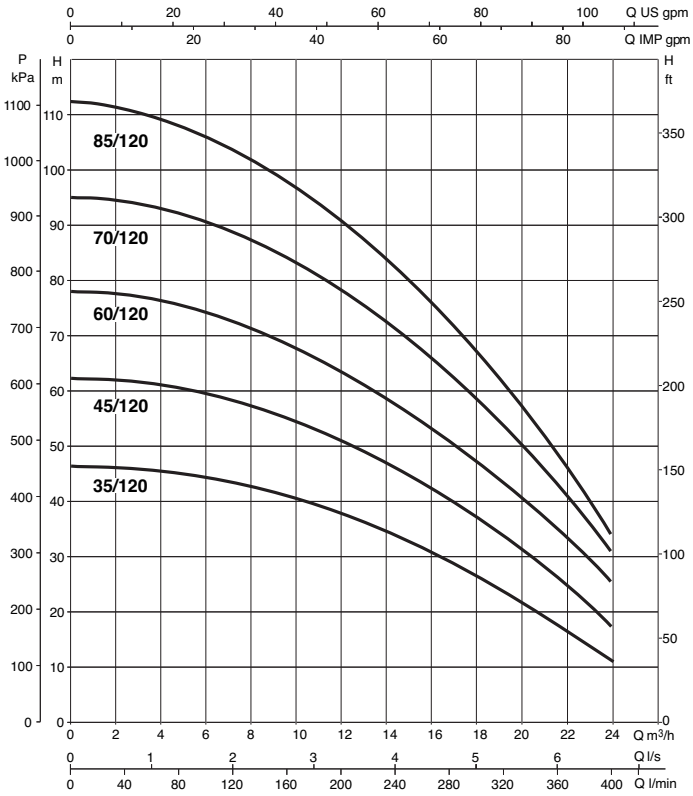
MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH CALIBRATION
	50 Hz	kW	HP	A	m³/h	BAR	BAR
2KVC 30/80 M	1x 220-240 v	2x 0,8	2x 1,1	2x 5,6	14 - 2	4,5	3
2KVC 30/80 T	3x 400 v	2x 0,8	2x 1,1	2x 2,2	14 – 2	4,5	3
2KVC 40/80 M	1x 220-240 v	2x 1	2x 1,36	2x 6,5	14 – 2	5,5	4
2KVC 40/80 T	3x 400 v	2x 1	2x 1,36	2x 2,6	14 – 2	5,5	4
2KVC 45/80 M	1x 220-240 v	2x 1,1	2x 1,5	2x 7,4	14 – 2	6,8	5
2KVC 45/80 T	3x 400 v	2x 1,1	2x 1,5	2x 3,1	14 – 2	6,8	5
2KVC 55/80 M	1x 220-240 v	2x 1,5	2x 2	2x 9	14 – 2	8	6
2KVC 55/80 T	3x 400 v	2x 1,5	2x 2	2x 3,6	14 – 2	8	6
2KVC 65/80 T	3x 400 v	2x 2,2	2x 3	2x 4	14 – 2	9,2	7

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

2 KVC 120 PUMP SETS

Liquid temperature range: from -10°C to +50°
Maximum ambient temperature: +40°C





MODEL	A	B	C	D	H	H1	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
										DNA (suction)	DNM (discharge)	Monophase	Three-phase
2KVC 35/120	760	550	500	560	800	920	95	260	610	2"	2"	82	82
2KVC 45/120	760	550	500	560	800	920	95	260	610	2"	2"	86	86
2KVC 60/120	760	550	500	560	800	920	95	260	610	2"	2"	-	90
2KVC 70/120	760	550	500	560	800	920	95	260	610	2"	2"	-	94
2KVC 85/120	760	550	500	560	800	920	95	260	610	2"	2"	-	95

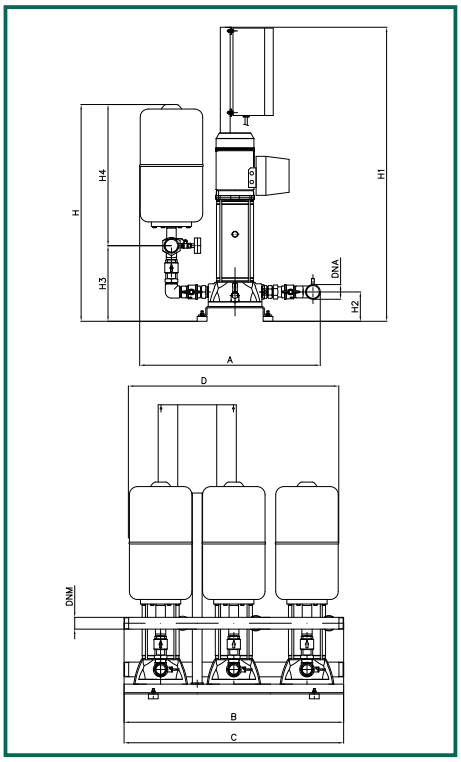
MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH CALIBRATION
	50 Hz	kW	HP	A	m³/h	BAR	BAR
2KVC 35/120 M	1x 220-240 v	2x 1,1	2x 1,5	2x 7,4	22 – 2	4,5	3
2KVC 35/120 T	3x 400 v	2x 1,1	2x 1,5	2x 3,5	22 – 2	4,5	3
2KVC 45/120 M	1x 220-240 v	2x 1,85	2x 2,5	2x 12	22 – 2	6	4
2KVC 45/120 T	3x 400 v	2x 1,85	2x 2,5	2x 4,6	22 – 2	6	4
2KVC 60/120 T	3x 400 v	2x 2,2	2x 3	2x 5,4	22 – 2	7,5	5
2KVC 70/120 T	3x 400 v	2x 3	2x 4	2x 6,8	22 – 2	9	6
2KVC 85/120 T	3x 400 v	2x 3	2x 4	2x 7,8	22 – 2	10,5	7

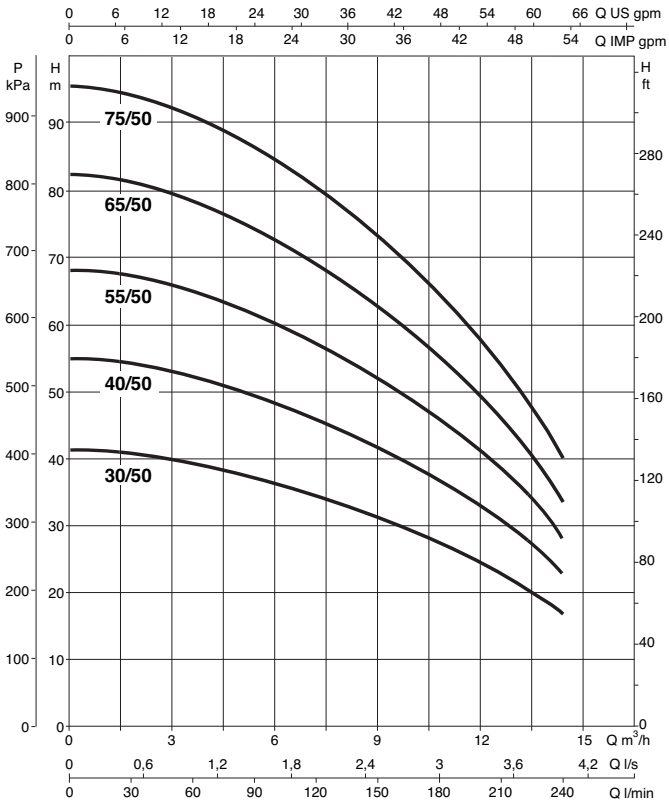
DAB PUMPS reserves the right to make modifications without notice.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

3 KVC 50 PUMP SETS

Liquid temperature range: from -10°C to +50°C
Maximum ambient temperature: +40°C





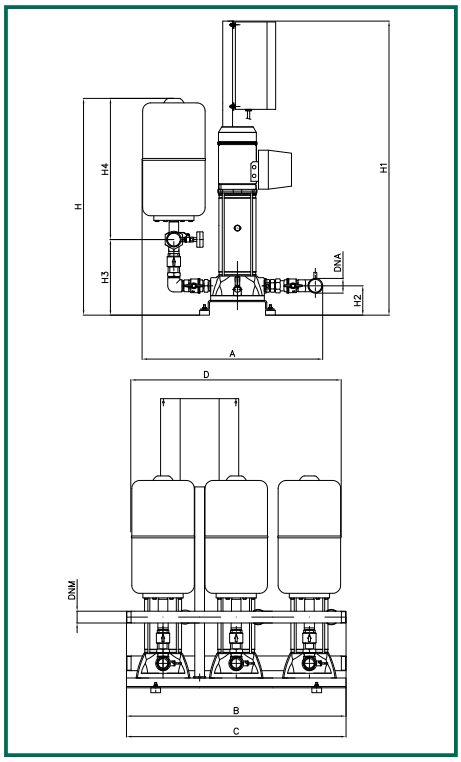
MODEL	A	B	C	D	H	H1	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
										DNA (suction)	DNM (discharge)	Monophase	Three-phase
3KVC 30/50	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	109	109
3KVC 40/50	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	115	115
3KVC 55/50	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	119	119
3KVC 65/50	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	128	127
3KVC 75/50	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	132	130

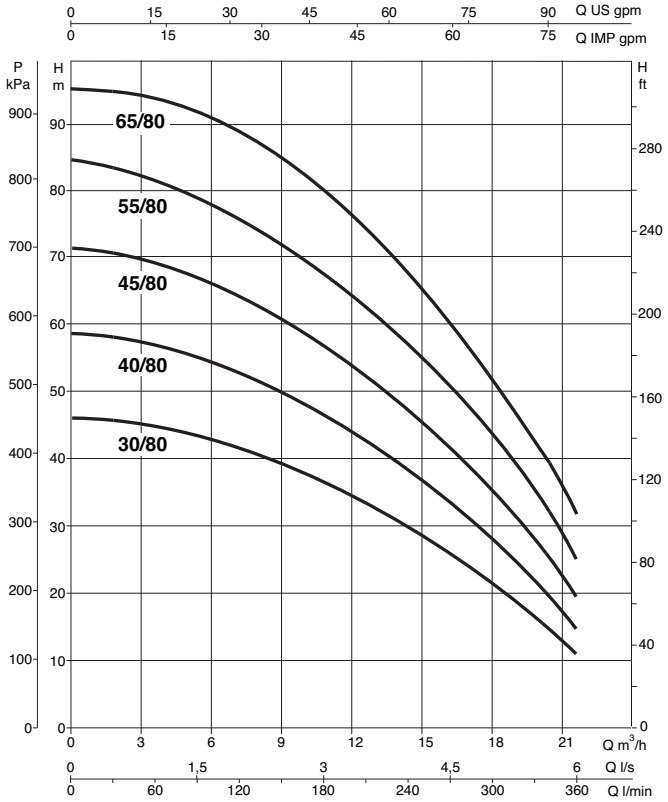
MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH CALIBRATION
	50 Hz	kW	HP	A	m³/h	BAR	BAR
3KVC 30/50 M	1x 220-240 v	3x 0,55	3x 0,75	3x 4	13,5 - 1	4	1,5 – 3,5
3KVC 30/50 T	3x 400 v	3x 0,55	3x 0,75	3x 1,4	13,5 - 1	4	1,5 – 3,5
3KVC 40/50 M	1x 220-240 v	3x 0,8	3x 1,1	3x 5,6	13,5 – 1	5,2	3 – 5
3KVC 40/50 T	3x 400 v	3x 0,8	3x 1,1	3x 2,2	13,5 – 1	5,2	3 – 5
3KVC 55/50 M	1x 220-240 v	3x 1	3x 1,36	3x 6,4	13,5 – 1	6,5	4 – 6
3KVC 55/50 T	3x 400 v	3x 1	3x 1,36	3x 2,6	13,5 – 1	6,5	4 – 6
3KVC 65/50 M	1x 220-240 v	3x 1,1	3x 1,5	3x 7,4	13,5 – 1	8	5,5 – 7,5
3KVC 65/50 T	3x 400 v	3x 1,1	3x 1,5	3x 3,1	13,5 – 1	8	5,5 – 7,5
3KVC 75/50 M	1x 220-240 v	3x 1,5	3x 2	3x 9	13,5 – 1	9	6,5 – 8,5
3KVC 75/50 T	3x 400 v	3x 1,5	3x 2	3x 3,6	13,5 – 1	9	6,5 – 8,5

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

3 KVC 50 PUMP SETS

Liquid temperature range: from -10°C to +50°C
Maximum ambient temperature: +40°C





MODEL	A	B	C	D	H	H1	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
										DNA (suction)	DNM (discharge)	Monophase	Three-phase
3KVC 30/80	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	115	114
3KVC 40/80	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	119	119
3KVC 45/80	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	128	128
3KVC 55/80	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	131	128
3KVC 65/80	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	-	133

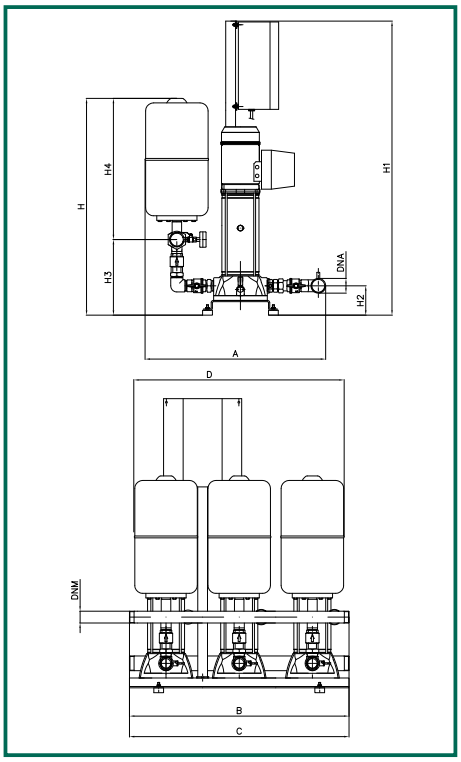
MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH CALIBRATION
	50 Hz	kW	HP	A	m³/h	BAR	BAR
3KVC 30/80 M	1x 220-240 v	3x 0,8	3x 1,1	3x 5,6	21 - 2	4,5	2 – 4
3KVC 30/80 T	3x 400 v	3x 0,8	3x 1,1	3x 2,2	21 - 2	4,5	2 – 4
3KVC 40/80 M	1x 220-240 v	3x 1	3x 1,36	3x 6,5	21 – 2	5,5	3 – 5
3KVC 40/80 T	3x 400 v	3x 1	3x 1,36	3x 2,6	21 – 2	5,5	3 – 5
3KVC 45/80 M	1x 220-240 v	3x 1,1	3x 1,5	3x 7,4	21 – 2	6,8	4 – 6
3KVC 45/80 T	3x 400 v	3x 1,1	3x 1,5	3x 3,1	21 – 2	6,8	4 – 6
3KVC 55/80 M	1x 220-240 v	3x 1,5	3x 2	3x 9	21 – 2	8	5 – 7
3KVC 55/80 T	3x 400 v	3x 1,5	3x 2	3x 3,6	21 – 2	8	5 – 7
3KVC 65/80 T	3x 400 v	3x 2,2	3x 3	3x 4	21 - 2	9,2	6 – 8

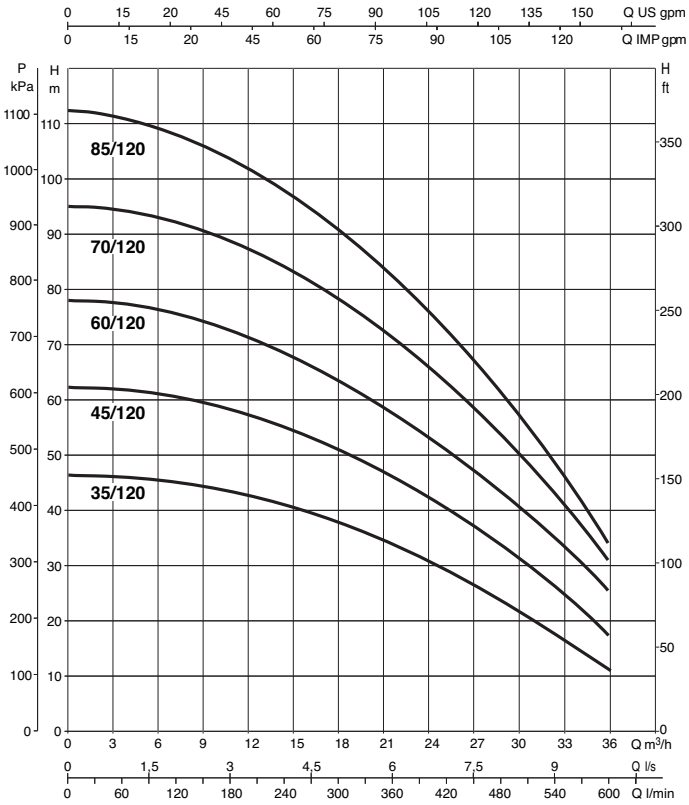
DAB PUMPS reserves the right to make modifications without notice.

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

3 KVC 120 PUMP SETS

Liquid temperature range: from -10°C to +50°C
Maximum ambient temperature: +40°C





MODEL	A	B	C	D	H	H1	H2	H3	H4	Ø MANIFOLDS		WEIGHT Kg	
										DNA (suction)	DNM (discharge)	Monophase	Three-phase
3KVC 35/120	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	128	128
3KVC 45/120	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	134	134
3KVC 60/120	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	-	140
3KVC 70/120	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	-	146
3KVC 85/120	650	900	810	850	950	1100	100	410	610	2" 1/2	2" 1/2	-	148

MODEL	SUPPLY VOLTAGE	P2 NOMINAL		In	FLOW RATE	PRESSURE MAX AVAILABLE	PRESSURE SWITCH CALIBRATION
	50 Hz	kW	HP	A	m³/h	BAR	BAR
3KVC 35/120 M	1x 220-240 v	3x 1,1	3x 1,5	3x 7,4	33 – 2	4,5	2 – 4
3KVC 35/120 T	3x 400 v	3x 1,1	3x 1,5	3x 3,5	33 – 2	4,5	2 – 4
3KVC 45/120 M	1x 220-240 v	3x 1,85	3x 2,5	3x 12	33 – 2	6	3,5 – 5,5
3KVC 45/120 T	3x 400 v	3x 1,85	3x 2,5	3x 4,6	33 – 2	6	3,5 – 5,5
3KVC 60/120 T	3x 400 v	3x 2,2	3x 3	3x 5,4	33 – 2	7,5	4,5 – 6,5
3KVC 70/120 T	3x 400 v	3x 3	3x 4	3x 6,8	33 – 2	9	6 – 8
3KVC 85/120 T	3x 400 v	3x 3	3x 4	3x 7,8	33 – 2	10,5	8 – 10

2 EURO PUMP SETS
WITH 2 EURO MULTISTAGE CENTRIFUGAL PUMPS

CE

GENERAL DATA

Applications

Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses These sets are acclaimed for their supreme reliability, simplicity of operation and absence of maintenance requirements. The sets are supplied as standard with tanks and with air supply connector.

Construction features

HYDRAULIC SECTION

- 2 EURO multistage centrifugal pumps
- Base in tropicalized galvanized sheet steel complete with 4 rubber antivibration feet;
- Threaded suction and discharge manifolds in tropicalized galvanized steel;
- 2 membrane pressure tanks;
- Ball valves with union on suction and discharge ports of each pump;
- Check valve on suction port of each pump;
- 1/4" air supply connectors in suction of each pump;
- 2 Tropicalized galvanized cast iron female plugs for closing manifolds;
- Radial pressure gauge with isolator valve;
- 1 pressure transmitter on discharge manifold (pressure detection).

ELECTRICAL SECTION

Control panel made of impact-resistant self-extinguishing plastic with IP55 protection rating installed on the discharge manifold of the set. The control panel protects the electric pumps and starts them in sequence, keeping the system at a factory-set average pressure value.
The average pressure value can be adjusted by means of a trimmer located inside the panel.
At each operating cycle the pumps starting sequence is inverted.

Front panel components:

- main disconnect switch with padlockable doorlock
- AUT -- MAN operating mode selection buttons
- alarms RESET button
- run, trip and alarm indicator lights

Components inside the control panel enclosure:

- control circuit board, fuses, and contactors
- power input terminals (single phase or three-phase)
- terminals to connect dry-run or overpressure protection pressure switches (optional)
- N.O. alarm signalling contacts
- function selection mini dipswitches (pressure transmitter or pressure switches, standard or supplementary tanks)

The control panel is prearranged for the connection of:
• Pressure switch or float switch kit to protect against dry running (*)
• Overpressure cut-out pressure switch kit (*)
(*) **to be ordered separately as an optional**

The pump sets are supplied in a strong carton on a wooden pallet complete with installation / maintenance instructions and wiring diagram.

DAB PUMPS reserves the right to make modifications without notice.

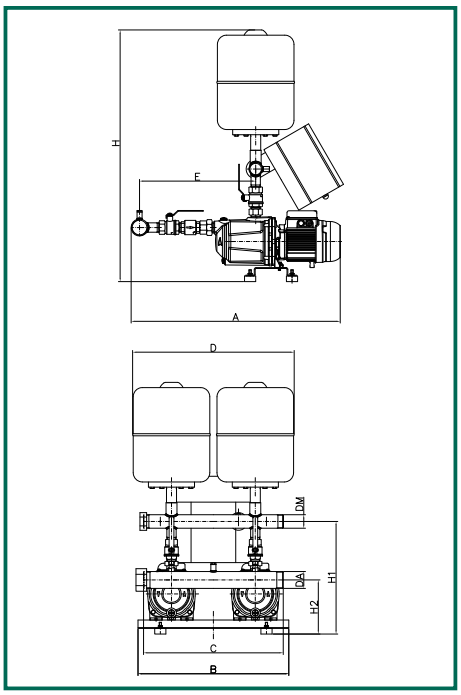
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

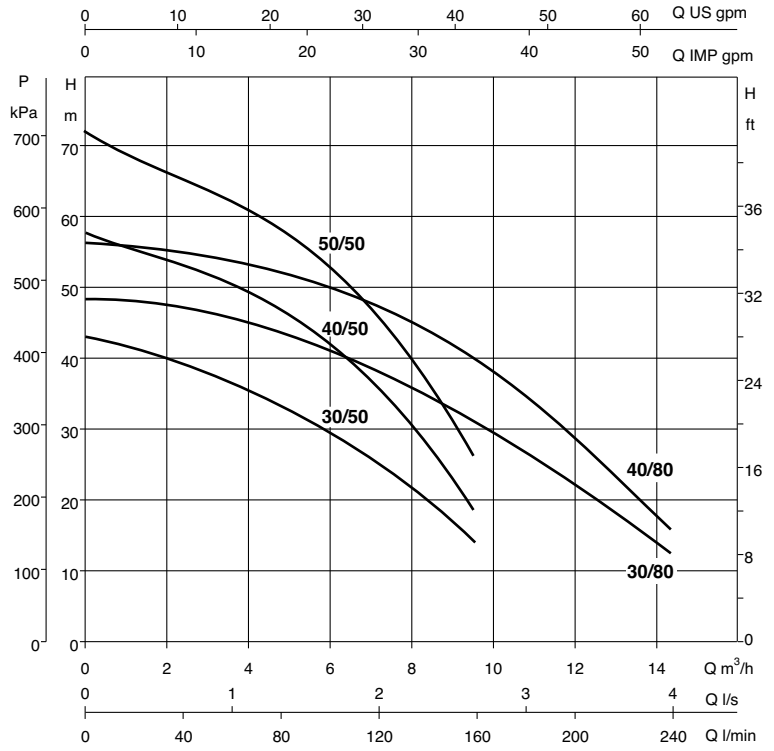
2 EURO PUMP SETS

Liquid temperature range: from 0°C to +35°C (for domestic use)
from 0°C to +40°C (for other uses)

Maximum flow rate: 14,5 m³/h

Maximum ambient temperature: +40°C





MODEL	A	B	C	D	E	H	H1	H2	Ø MANIFOLDS DNA (suction)	Ø MANIFOLDS DNM (discharge)	WEIGHT Kg
2 EURO 30/50 M	755	540	500	578	415	830	402	194	2"	1 1/2"	57
2 EURO 40/50 M	755	540	500	578	415	830	402	194	2"	1 1/2"	57
2 EURO 50/50 M	755	540	500	578	415	830	402	194	2"	1 1/2"	56
2 EURO 30/80 M	755	540	500	578	415	830	402	194	2"	1 1/2"	57
2 EURO 40/80 M	755	540	500	578	415	830	402	194	2"	1 1/2"	56
2 EURO 30/50 T	755	540	500	578	415	830	402	194	2"	1 1/2"	57
2 EURO 40/50 T	755	540	500	578	415	830	402	194	2"	1 1/2"	57
2 EURO 50/50 T	755	540	500	578	415	830	402	194	2"	1 1/2"	58
2 EURO 30/80 T	755	540	500	578	415	830	402	194	2"	1 1/2"	57
2 EURO 40/80 T	755	540	500	578	415	830	402	194	2"	1 1/2"	58

MODEL	SUPPLY VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	FLOW RATE m³/h	PRESSURE MAX AVAILABLE BAR	STANDARD PRESSURE (bar)
2 EURO 30/50 M	1x220-240 V~	2x0,55	2x0,75	2x3,9	8,0-4,4	3,8	2,5
2 EURO 40/50 M	1x220-240 V~	2x0,75	2x1	2x5,3	8,0-5,2	5,3	3,5
2 EURO 50/50 M	1x220-240 V~	2x1	2x1,36	2x6,3	7,6-5,2	6,5	4,5
2 EURO 30/80 M	1x220-240 V~	2x0,8	2x1,1	2x5,3	11,0-7,0	4,3	3
2 EURO 40/80 M	1x220-240 V~	2x1	2x1,36	2x6,3	10,0-6,0	5,5	4
2 EURO 30/50 T	3x400 V~	2x0,55	2x0,75	2x1,6	8,0-4,4	3,8	2,5
2 EURO 40/50 T	3x400 V~	2x0,75	2x1	2x2,2	8,0-5,2	5,3	3,5
2 EURO 50/50 T	3x400 V~	2x1	2x1,36	2x2,5	7,6-5,2	6,5	4,5
2 EURO 30/80 T	3x400 V~	2x0,8	2x1,1	2x2,2	11,0-7,0	4,3	3
2 EURO 40/80 T	3x400 V~	2x1	2x1,36	2x2,5	10,0-6,0	5,5	4

DAB PUMPS reserves the right to make modifications without notice.

DAB WATER•TECHNOLOGY

2 EUROINOX PUMP SETS
WITH 2 EUROINOX MULTISTAGE CENTRIFUGAL SELF-PRIMING PUMPS

CE

GENERAL DATA

Applications

Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses
The electric pumps employed, EUROINOX multistage centrifugal models, offer the ability to function also in the presence of air, gas or small amounts of sand in the water.
These pumps are invaluable when drawing water from artesian wells and in the presence of suction difficulties.
These sets are acclaimed for their supreme reliability, simplicity of operation and absence of maintenance requirements.
The sets are supplied as standard with tanks and with air supply connector.

Construction features

HYDRAULIC SECTION

- 2 EUROINOX multistage centrifugal electric pumps;
- Base in tropicalized galvanized sheet steel complete with 4 rubber antivibration feet;
- Threaded suction and discharge manifolds in AISI 304 stainless steel;
- 2 membrane pressure tanks;
- Ball valves with union on suction and discharge ports of each pump;
- Check valve on suction port of each pump;
- 1/4” air supply connectors in suction of each pump;
- 2 Stainless steel female plugs for closing manifolds;
- Radial pressure gauge with isolator valve;
- 1 pressure transmitter on discharge manifold (pressure detection).

ELECTRICAL SECTION

Control panel made of impact-resistant self-extinguishing plastic with IP55 protection rating installed on the discharge manifold of the set.
The control panel protects the electric pumps and starts them in sequence, keeping the system at a factory-set average pressure value.
The average pressure value can be adjusted by means of a trimmer located inside the panel.
At each operating cycle the pumps starting sequence is inverted.

Front panel components:

- main disconnect switch with padlockable doorlock
- AUT -- MAN operating mode selection buttons
- alarms RESET button
- run, trip and alarm indicator lights

Components inside the control panel enclosure

- control circuit board, fuses, and contactors
- power input terminals (single phase or three-phase)
- terminals to connect dry-run or overpressure protection pressure switches (optional)
- N.O. alarm signalling contacts
- function selection mini dipswitches (pressure transmitter or pressure switches, standard or supplementary tanks).

The control panel is prearranged for the connection of:

- Pressure switch or float switch kit to protect against dry running (*)
- Overpressure cut-out pressure switch kit (*)

(*) **to be ordered separately as an optional**

The pump sets are supplied in a strong carton on a wooden pallet complete with installation / maintenance instructions and wiring diagram.

DAB PUMPS reserves the right to make modifications without notice.

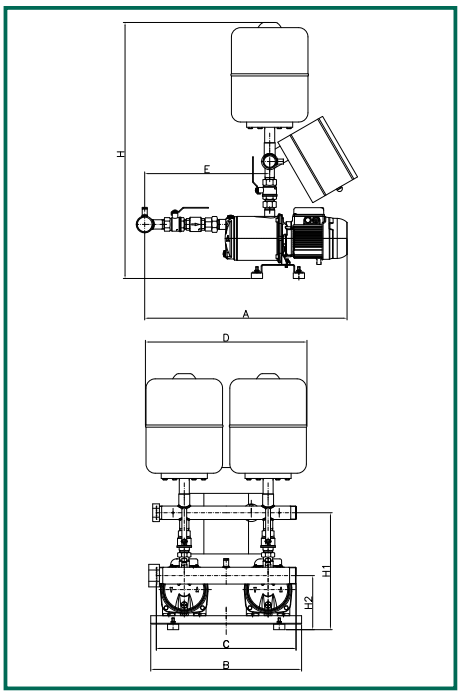
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

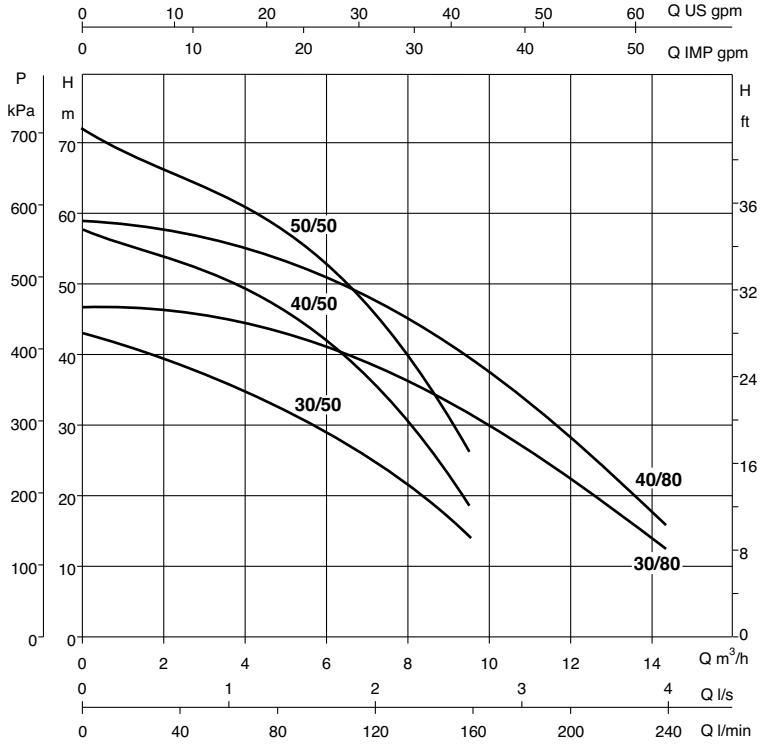
2 EUROINOX PUMP SETS

Liquid temperature range: from 0°C to +35°C (for domestic use)
from 0°C to +40°C (for other uses)

Maximum flow rate: 14,5 m³/h

Maximum ambient temperature: +40°C





MODEL	A	B	C	D	E	H	H1	H2	Ø MANIFOLDS DNA (suction)	Ø MANIFOLDS DNM (discharge)	WEIGHT Kg
2 EUROINOX 30/50 M	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 40/50 M	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 50/50 M	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 30/80 M	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 40/80 M	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 30/50 T	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 40/50 T	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 50/50 T	760	540	500	578	450	830	420	194	2"	1 1/2"	58
2 EUROINOX 30/80 T	760	540	500	578	450	830	420	194	2"	1 1/2"	57
2 EUROINOX 40/80 T	760	540	500	578	450	830	420	194	2"	1 1/2"	58

MODEL	SUPPLY VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	FLOW RATE m³/h	PRESSURE MAX AVAILABLE BAR	STANDARD PRESSURE (bar)
2 EUROINOX 30/50 M	1x220-240 V~	2x0,55	2x0,75	2x3,9	8,0-4,4	3,8	2,5
2 EUROINOX 40/50 M	1x220-240 V~	2x0,75	2x1	2x5,3	8,0-5,2	5,3	3,5
2 EUROINOX 50/50 M	1x220-240 V~	2x1	2x1,36	2x6,3	7,6-5,2	6,5	4,5
2 EUROINOX 30/80 M	1x220-240 V~	2x0,8	2x1,1	2x5,3	11,0-7,0	4,3	3
2 EUROINOX 40/80 M	1x220-240 V~	2x1	2x1,36	2x6,3	10,0-6,0	5,5	4
2 EUROINOX 30/50 T	3x400 V~	2x0,55	2x0,75	2x1,6	8,0-4,4	3,8	2,5
2 EUROINOX 40/50 T	3x400 V~	2x0,75	2x1	2x2,2	8,0-5,2	5,3	3,5
2 EUROINOX 50/50 T	3x400 V~	2x1	2x1,36	2x2,5	7,6-5,2	6,5	4,5
2 EUROINOX 30/80 T	3x400 V~	2x0,8	2x1,1	2x2,2	11,0-7,0	4,3	3
2 EUROINOX 40/80 T	3x400 V~	2x1	2x1,36	2x2,5	10,0-6,0	5,5	4

2 PULSAR DRY PUMP SETS
WITH 2 PULSAR DRY 5” BOREHOLE PUMPS

CE

GENERAL DATA

Applications

Water lifting sets specifically suitable for domestic applications and small systems for civil, agricultural or industrial uses
These sets are acclaimed for their supreme reliability, simplicity of operation and absence of maintenance requirements.
The sets are supplied as standard with tanks and with air supply connector.

Construction features

HYDRAULIC SECTION

- 2 PULSAR DRY centrifugal electric pumps;
- Base in tropicalized galvanized sheet steel complete with 4 rubber antivibration feet;
- Threaded suction and discharge manifolds in AISI 304 stainless steel;
- 2 membrane pressure tanks;
- Ball valves with union on suction and discharge ports of each pump;
- Check valve on suction port of each pump;
- 1/4” air supply connectors in suction of each pump;
- 2 Stainless steel female plugs for closing manifolds;
- Radial pressure gauge with isolator valve;
- 1 pressure transmitter on discharge manifold (pressure detection).

ELECTRICAL SECTION

Control panel made of impact-resistant self-extinguishing plastic with IP55 protection rating installed on the discharge manifold of the set.
The control panel protects the electric pumps and starts them in sequence, keeping the system at a factory-set average pressure value.
The average pressure value can be adjusted by means of a trimmer located inside the panel.
At each operating cycle the pumps starting sequence is inverted.

Front panel components:

- main disconnect switch with padlockable doorlock
- AUT -- MAN operating mode selection buttons
- alarms RESET button
- run, trip and alarm indicator lights

Components inside the control panel enclosure

- control circuit board, fuses, and contactors
- power input terminals (single phase or three-phase)
- terminals to connect dry-run or overpressure protection pressure switches (optional)
- N.O. alarm signalling contacts
- function selection mini dipswitches (pressure transmitter or pressure switches, standard or supplementary tanks).

The control panel is prearranged for the connection of:

- Pressure switch or float switch kit to protect against dry running (*)
- Overpressure cut-out pressure switch kit (*)

(*) **to be ordered separately as an optional**

The pump sets are supplied in a strong carton on a wooden pallet complete with installation / maintenance instructions and wiring diagram.

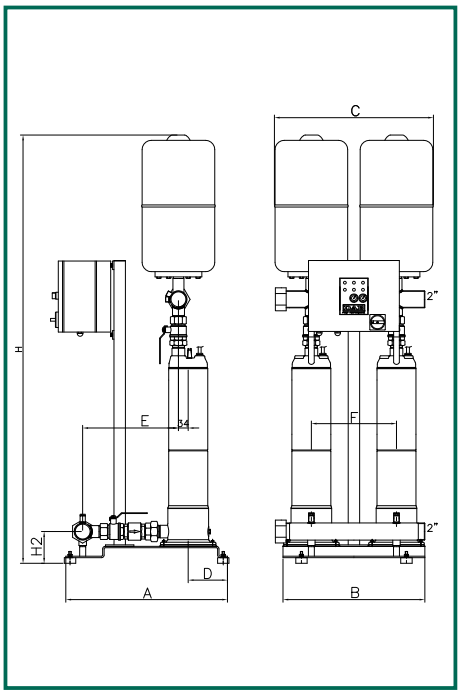
DAB PUMPS reserves the right to make modifications without notice.

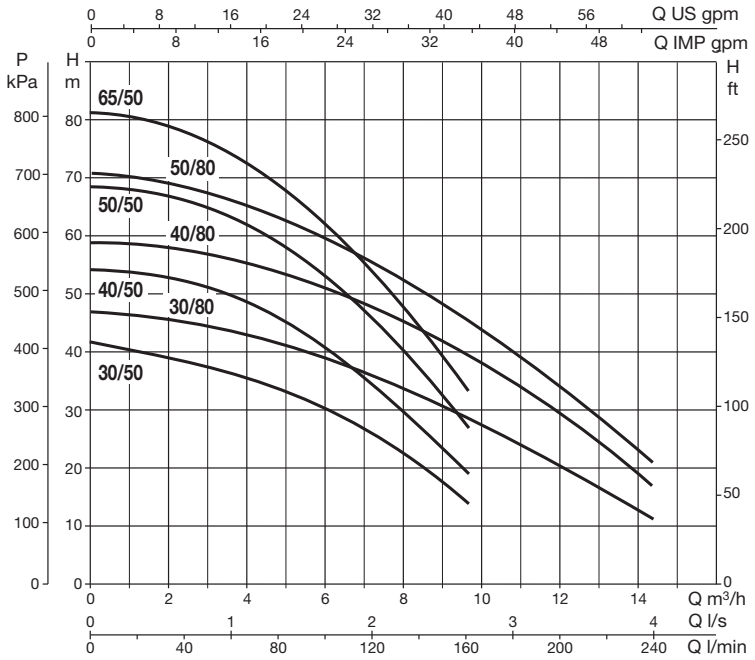
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

2 PULSAR DRY PUMP SETS

Liquid temperature range: from 0°C to +40°C (for domestic use)
Maximum ambient temperature: +40°C

Maximum flow rate: 14,5 m³/h





MODEL	A	B	D	E	F	C	H	H2	Ø MANIFOLDS DNA (suction)	Ø MANIFOLDS DNM (discharge)	WEIGHT Kg
2 PULSAR DRY 30/50 M	560	500	139	338	300	560	1415	112	2"	2"	67
2 PULSAR DRY 40/50 M	560	500	139	338	300	560	1415	112	2"	2"	67
2 PULSAR DRY 50/50 M	560	500	139	338	300	560	1482	112	2"	2"	66
2 PULSAR DRY 65/50 M	560	500	139	338	300	560	1509	112	2"	2"	66
2 PULSAR DRY 30/80 M	560	500	139	338	300	560	1415	112	2"	2"	67
2 PULSAR DRY 40/80 M	560	500	139	338	300	560	1482	112	2"	2"	67
2 PULSAR DRY 50/80 M	560	500	139	338	300	560	1509	112	2"	2"	66
2 PULSAR DRY 30/50 T	560	500	139	338	300	560	1415	112	2"	2"	67
2 PULSAR DRY 40/50 T	560	500	139	338	300	560	1415	112	2"	2"	67
2 PULSAR DRY 50/50 T	560	500	139	338	300	560	1415	112	2"	2"	66
2 PULSAR DRY 65/50 T	560	500	139	338	300	560	1509	112	2"	2"	66
2 PULSAR DRY 30/80 T	560	500	139	338	300	560	1415	112	2"	2"	67
2 PULSAR DRY 40/80 T	560	500	139	338	300	560	1482	112	2"	2"	67
2 PULSAR DRY 50/80 T	560	500	139	338	300	560	1509	112	2"	2"	66

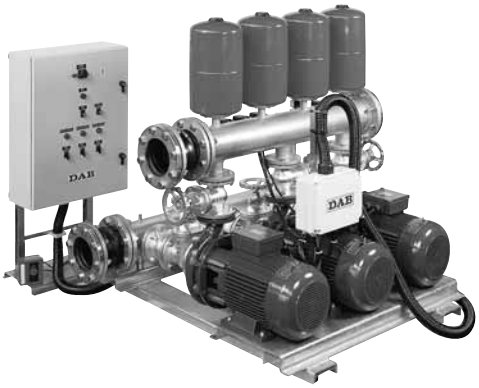
MODEL	SUPPLY VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	FLOW RATE m³/h	PRESSURE MAX AVAILABLE BAR	STANDARD PRESSURE (bar)
2 PULSAR DRY 30/50 M	1x220-240 V~	2x0,55	2x0,75	2x4,5	8,2-4,4	3,8	2,5
2 PULSAR DRY 40/50 M	1x220-240 V~	2x0,75	2x1	2x5,5	8,0-4,4	5	3,5
2 PULSAR DRY 50/50 M	1x220-240 V~	2x1	2x1,36	2x7	7,6-5,0	6,5	4
2 PULSAR DRY 65/50 M	1x220-240 V~	2x1,2	2x1,6	2x8	7,6-5,0	8	5
2 PULSAR DRY 30/80 M	1x220-240 V~	2x0,75	2x1	2x5,4	11,0-7,0	4,5	3
2 PULSAR DRY 40/80 M	1x220-240 V~	2x1	2x1,36	2x7	11,0-7,1	5,8	4
2 PULSAR DRY 50/80 M	1x220-240 V~	2x1,2	2x1,6	2x8,2	11,2-8,0	7,2	5
2 PULSAR DRY 30/50 T	3x400 V~	2x0,55	2x0,75	2x1,8	8,2-4,4	3,8	2,5
2 PULSAR DRY 40/50 T	3x400 V~	2x0,75	2x1	2x2	8,0-4,4	5	3,5
2 PULSAR DRY 50/50 T	3x400 V~	2x1	2x1,36	2x2,6	7,6-5,0	6,5	4
2 PULSAR DRY 65/50 T	3x400 V~	2x1,2	2x1,6	2x3,1	7,6-5,5	8	5
2 PULSAR DRY 30/80 T	3x400 V~	2x0,75	2x1	2x2	11,0-7,0	4,5	3
2 PULSAR DRY 40/80 T	3x400 V~	2x1	2x1,36	2x2,5	11,0-7,1	5,8	4
2 PULSAR DRY 50/80 T	3x400 V~	2x1,2	2x1,6	2x3	11,2-8,0	7,0	5

1K – 2K – 3K PUMP SETS
K TYPE SINGLE IMPELLER CENTRIFUGAL PUMPS

1-2-3 PUMPS

1 K pump sets

2 K pump sets



3 K pump sets

CE

GENERAL DATA

Applications

Pump sets offered for water lifting and transfer systems and for water pipelines in special industrial and agricultural processes.
Built with advanced characteristics, these pump sets are distinguished by their high technology aimed at achieving the maximum efficiency.
The use of "K" type single impeller high flow rate electric pumps makes for simplicity of construction, extreme reliability and rugged construction.
The requirement of significant hydraulic performance levels and absolute reliability finds a perfect response with the impeccable features of these pump sets.

Construction features

SETS WITH 1-2-3 PUMPS

HYDRAULIC SECTION
- 1-2-3 K type single impeller vertical axis centrifugal pumps;
- Skid in galvanised steel complete with 4 rubber antivibration feet;
- Flanged gate valve, flanged anti water hammer check valve, flexible coupling flanged on the suction port;
- Flanged galvanised discharge manifold complete with galvanized blank flange and flanged gate valve;
- Antivibration flexible coupling for connection to discharge pipe;
- Radial pressure gauge with isolator valve;
- Galvanized steel column for adjustable mounting of the control panel;
- Membrane pressure tanks.

ELECTRICAL SECTION
CONTROL PANEL
Direct Starting for unit power ratings up to 11 kW inclusive.
Cabinet in sheet steel with IP 55 protection rating and lever handle with lock. Door lock switch, remote motor protectors with thermal relays and electric pump fuses, low voltage control circuit (24 Volt) feeding remote motor protectors, adjustable delayed pumps stop time (supplementary run), system to change starting sequence for sets of 2-3 electric pumps. Selectors for Automatic (by means of pressure switches installed on discharge manifold) or Manual operation of electric pumps. Terminal board for connection of minimum pressure switch for pump stopping, float switch to protect against dry running, remote pump start command.

CONTROL PRESSURE SWITCHES
Electric pump control pressure switches precalibrated and installed on the discharge manifold. The pressure switches operate the remote motor protectors to invert the electric pumps in cascade mode.

JOCKEY PUMP – COMPENSATION FUNCTION (cuts in to compensate for small quantity water demand to avoid wasteful starts of the main electric pumps).
The sets are available also with the KV 3 jockey pump complete with valves and connected to the suction and discharge manifolds. Electric control and protection circuit for jockey pump in main electric pump control cabinet for 1-2 K sets. Separate control cabinet for 3 K pump sets.

WEEKLY TEST RUN (must be requested at time of order - cannot be retrofitted)
The pump sets are available also with a weekly test run system, composed of a programmable weekly timer, an audible-illuminated alarm, a drain solenoid valve on the discharge manifold, an automatic reset emergency stop pushbutton, and a minimum pressure switch.
With the weekly test run the electric pumps are started periodically for a few minutes to prevent mechanical seizure during prolonged periods of disuse.

At the end of the test any faults are signalled by the alarm function.

The pump sets are supplied in a strong carton on a wooden pallet complete with instruction leaflet and wiring diagram.
1K - 2K - 3K pump sets are also available in the "Economic" version;
- control cabinet without supplementary timer, mounted on the pumps skid
- flexible hose or antivibration coupling to connect to the installation as optional equipment.

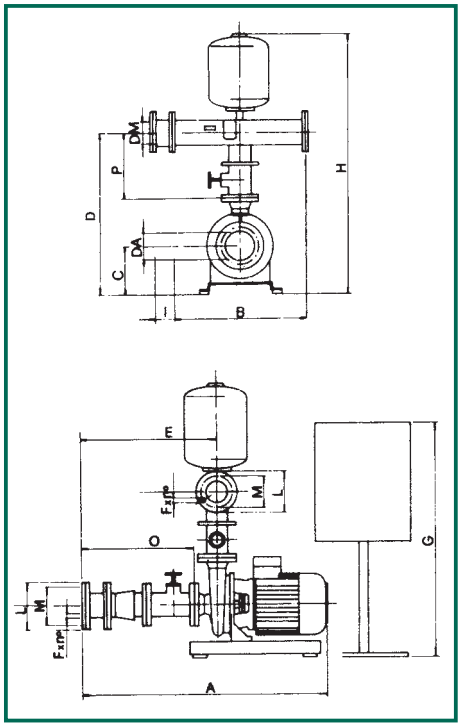
DAB PUMPS reserves the right to make modifications without notice.

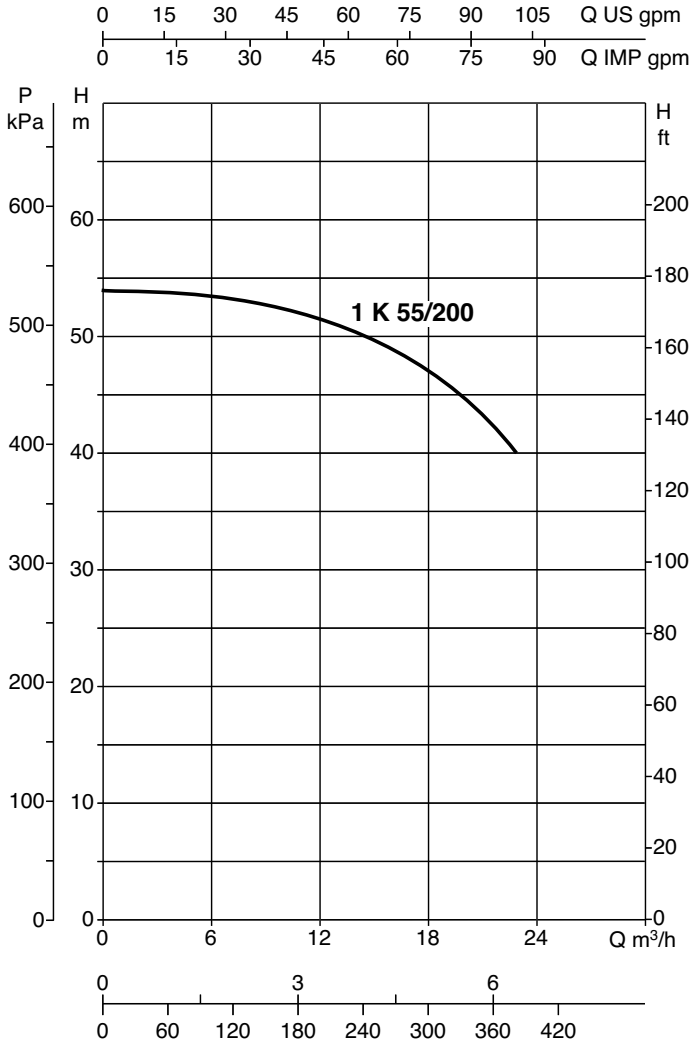
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

1 K PUMP SETS

Liquid temperature range: from 15°C to +70°C
Maximum ambient temperature: +40°C

Maximum flow rate: 20 m³/h





MODEL	A	B	C	D	E	G	H	O	P	MANIFOLD DIMENSIONS										WEIGHT Kg
										DNA (suction)					DNM (discharge)					
										Ø DA	I	L	M	Fxn°	Ø DM	I	L	M	Fxn°	
1 K 55/200 T	750	450	210	600	360	1005	1165	290	200	2"	–	–	–	–	2 1/2"	–	–	–	–	130

MODEL	POWER SUPPLY	P2 NOMINAL		In	FLOW RATE	PRESSURE SWITCH CALIBRATION	MAX AVAILABLE PRESSURE	JOCKEY PUMP *		
								TYPE	P2	
	50 Hz	kW	HP	A	m³/h(1)	(bar)	(bar)		kW	HP
1 K 55/200 T	3x400 V ~	4	5,5	16,3-9,4	17,0-8,0	4,3÷5,1	5,2	KV 6/7 T	1,1	1,5

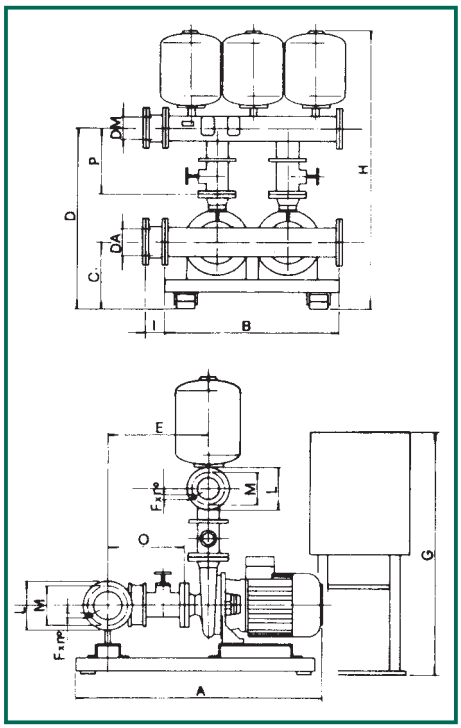
(1) Data referred to service pumps
* Jockey pump available on request

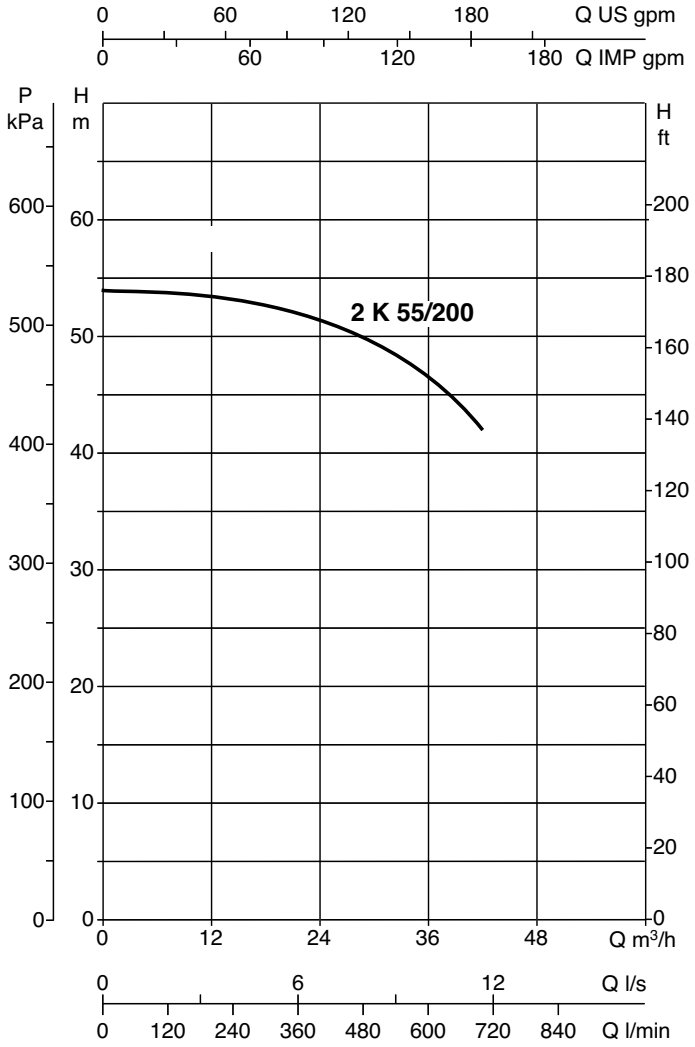
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

2 K PUMP SETS

Liquid temperature range: from 15°C to +70°C
Maximum ambient temperature: +40°C

Maximum flow rate: 40 m³/h





MODEL	A	B	C	D	E	G	H	O	P	MANIFOLD DIMENSIONS DNA (suction) Ø DA	I	L	M	Fxn°	DNM (discharge) Ø DM	I	L	M	Fxn°	WEIGHT Kg
2 K 55/200 T	850	720	200	585	425	1005	1165	380	260	DN 80	130	200	160	18x4	DN 80	130	200	160	18x4	242

MODEL	POWER SUPPLY 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	FLOW RATE m³/h(1)	PRESSURE SWITCH CALIBRATION (bar)	MAX AVAILABLE PRESSURE (bar)	JOCKEY PUMP * TYPE	JOCKEY PUMP * P2 kW	JOCKEY PUMP * P2 HP
2 K 55/200 T	3x400 V ~	2x4	2x5,5	2x16,3-9,4	34,0-16,0	4,3÷5,1	5,2	KV 6/7 T	1,1	1,5

(1) Data referred to service pumps
* Jockey pump available on request

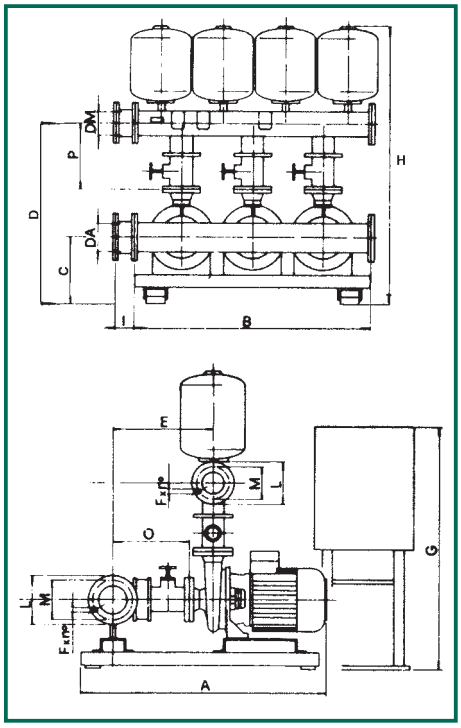
DAB WATER•TECHNOLOGY
DAB PUMPS reserves the right to make modifications without notice.

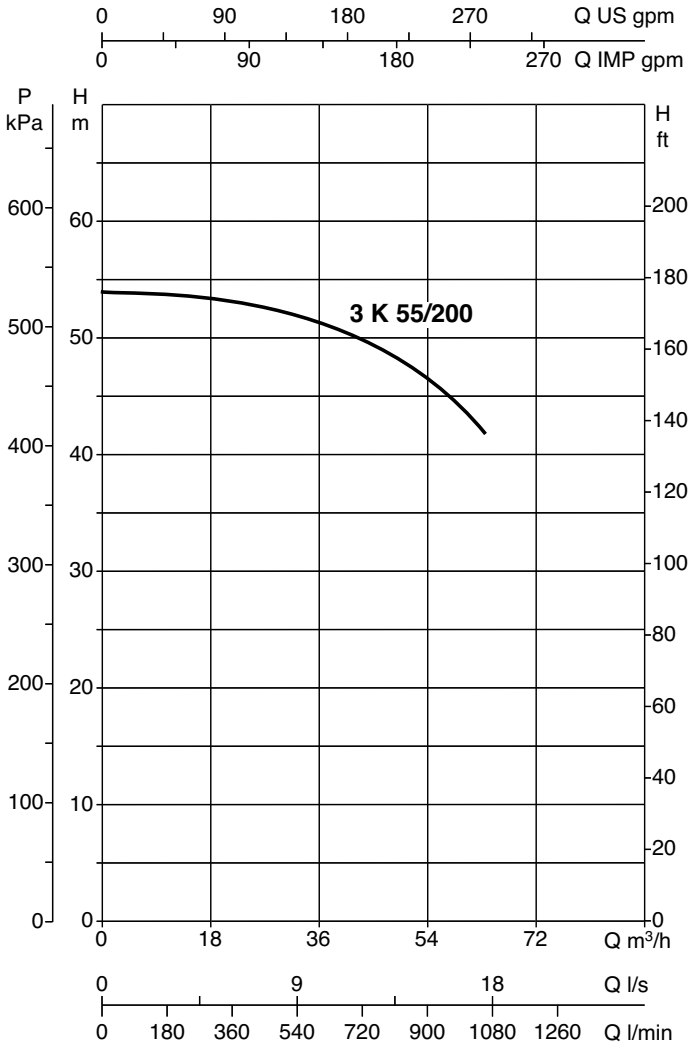
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

3 K PUMP SETS

Liquid temperature range: from 15°C to +70°C
Maximum ambient temperature: +40°C

Maximum flow rate: 108 m³/h





MODEL	A	B	C	D	E	G	H	O	P	MANIFOLD DIMENSIONS DNA (suction) Ø DA	I	L	M	Fxn°	DNM (discharge) Ø DM	I	L	M	Fxn°	WEIGHT Kg
3 K 55/200 T	900	1100	200	595	435	1005	1185	390	260	DN 100	135	220	180	18x8	DN 100	135	220	180	18x8	365

MODEL	POWER SUPPLY 50 Hz	P2 NOMINAL kW	HP	In A	FLOW RATE m³/h(1)	PRESSURE SWITCH CALIBRATION (bar)	MAX AVAILABLE PRESSURE (bar)	JOCKEY PUMP * TYPE	P2 kW	HP
3 K 55/200 T	3x400 V ~	3x4	3x5,5	3x16,3-9,4	51,0-24,0	4,3÷5,1	5,2	KV 6/7 T	1,1	1,5

(1) Dati riferiti alle pompe di servizio
* Pompa pilota fornibile su richiesta