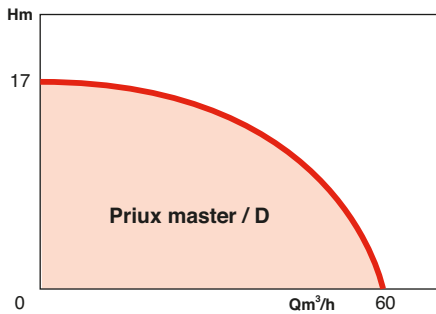


OPERATING LIMITS

Flows rates up to:	60 m ³ /h
Heads up to:	17 m CE
Max. operating pressure:	10 bar
Temperature range:	-20° to +110°C
Max. ambient temperature:	+40°C
ND of ports:	25 to 100
EEL single pump:	≤0,23
EEL double pump:	≤0,27

The benchmark for most efficient circulators is $EEL \leq 0,20$



ADVANTAGES

- Energy savings
- All-purpose
- Noise reduction
- Reliability
- Ergonomics

PRIUX MASTER

SINGLE AND DOUBLE HIGH EFFICIENCY CIRCULATORS STANDARD RANGE

Heating - Air-conditioning

APPLICATIONS

For accelerated water circulation for heating or cooling, with optimization of circulator operating point.

- Central heating,
- Urban heating,
- Commercial or industrial installations;
- Cooling circuits.

- Air-conditioning systems
- New, old (renovated) installations or extensions.

Circulating pumps recommended for facilities fitted with thermostatic valves.



Constant speed : feature available in the course of 2015, on the whole range.



PRIUX MASTER

DESIGN

• Hydraulic part

Single or double body with threaded or flanged. 3D impellers and spiral for maximum optimization of the hydraulic performances. An impeller seal between the pump body and the impeller improves performances further by limiting the internal recycling of the fluid. The pump body is fully cathaphoresis coated to ensure corrosion resistance.

• Motor

230 V – 50 - 60 Hz single-phase

Wet rotor motor; bearing bushes lubricated by the fluid pumped.

E.C.M. (Electronically Commutated Motor) synchronous motor, equipped with a permanent magnet rotor.

The stator's rotating magnetic field is generated by the electronic switching of the coils.

This rotating field creates a continuous torque through attraction between the rotor's opposite magnetic poles, controlling its position (synchronous motor). This ensures the optimum performance of the motor, whatever its speed.

The wet rotor and the windings are separated by a composite, and therefore completely amagnetic, sleeve, to reduce motor losses.

SXE with AC motor



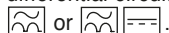
Priux with EC motor



Speed:	800 to 4800 rpm
Mains voltage:	1-ph. 230 V ± 10 %
Frequency:	50 Hz - 60 Hz
Insulation class:	F (155° C)
Protection index:	IPX4D
EMC compliance:	EN 61800-3
	emission EN 61000-6-3
	immunity EN 61000-6-2

• Protection differential (FI)

«All current» FI protection differentials compliant with EN 61008-1 are permitted. These differential circuit breakers are identified by



ADVANTAGES

• Energy savings

High efficiency circulators, with optimization of the operating point. Energy savings of up to 80% compared to a traditional circulator.

• All-purpose

These circulators are compatible with all types of heating, air-conditioning and refrigeration systems. The standard version covers a fluid temperature range from -20°C to +110°C.

• Noise control

Eliminating of whistling and hydraulic noises in the thermostatic valves. Automatic adaptation of speeds to the system's needs.

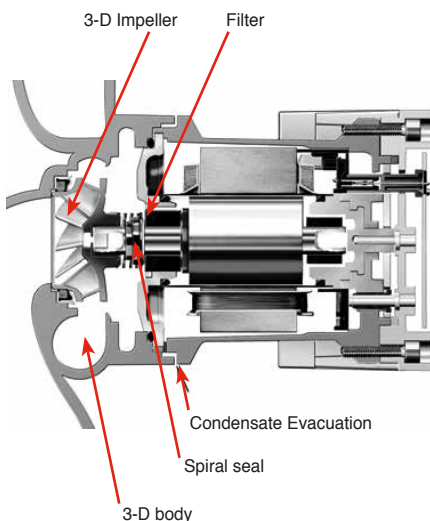
• Reliability

Fully automatic operation requiring neither venting nor servicing. A double filter system prevents solid particles from getting into the rotor chamber. A rotating seal between the impeller and the endshield limits water exchanges with the motor to the bare minimum.

• Ergonomics

The control module of the Priux master is freely accessible. One single button is used for the selection of the operating mode and the setting of the delivery head setpoint. A plug is used for the electrical connection. It is possible to remove the plug from the module and open it. Thus the electrical connection can be done in an easy and safe way.

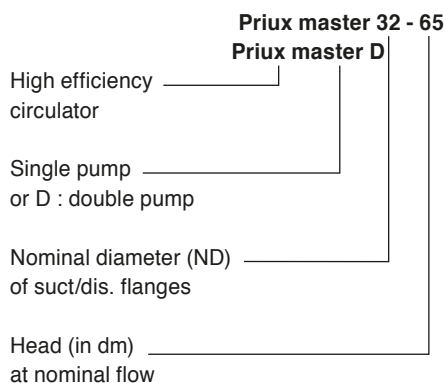
Pressure gauge tapings on the flanges.



STANDARD CONSTRUCTION

Main parts	Material
Pump casing	EN GJL 250 EN GJL 200 for ND 25-32
Impeller	Glass fibre reinforced PPS PPE for ND 25-32
Shaft	Chromium steel (X46 – Cr13)
Bearing bushes	Metal impregnated carbon

IDENTIFICATION

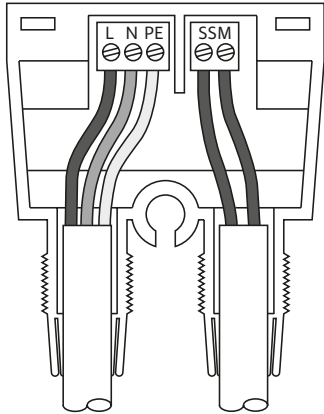


PRIUX MASTER

CONNECTIONS

The electrical connection is done in the connector which can be removed from the electronic module

• Connector



• terminal

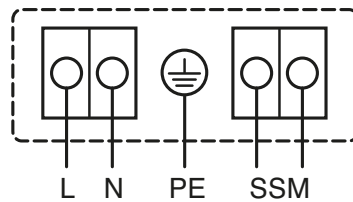
L – N: mains connection, 230 V – 50 Hz-60 Hz single-phase current

PE: earth

SSM: dry contact for fault indicator (normal closed, open by default). Max load: 1 A – 250 V – AC

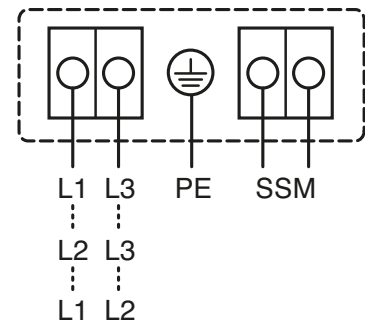
• Main connection

1~ 230 V, 50/60 Hz



Connection to a 1~230V network

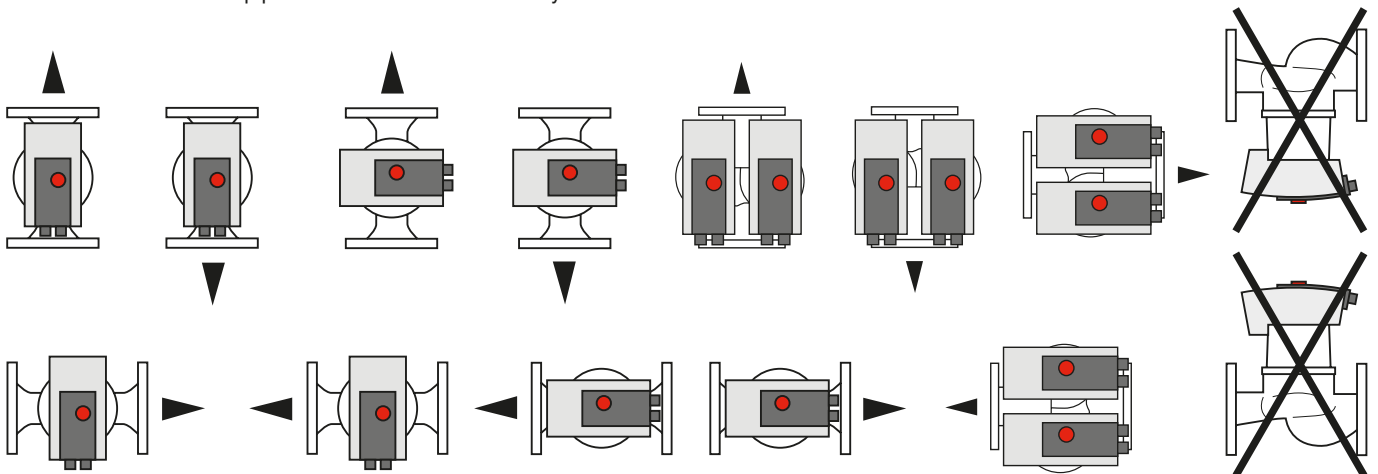
3~230 V, 50/60 Hz



Or between two phases of a 3~230V network

POSSIBLE ASSEMBLY

On vertical or horizontal pipes the motor shaft must always be horizontal.



PRIUX MASTER

OPERATING PRINCIPLE

The heating or air-conditioning needs of a building vary according to whether it is day or night, but also during the day according to changes in the outside temperature, etc., and even from one point of the building to another as the thermostatic valves or 2-way valves are closed. The self-regulated circulator automatically adjusts its rotation speed according to the mains network's friction losses, in order to maintain a minimum electricity consumption (ECM technology) and a low operating noise level. The circulator's properties are adjusted automatically according to the heating or cooling needs of the system.

• Manual adjustment

Parameterization of basic functions, i.e.:

- control mode ΔP constant ΔP variable
- pressure setpoint adjustment
- speed selection.

• Constant pressure

With this regulation mode, electronic control maintains the constant differential pressure of the circulating pump whatever the flow rate, depending on the predefined pressure value.

• Variable pressure

With this regulation mode, the electronic control allows reducing the differential pressure (manometric head) in case of flow reduction, depending on the predefined differential pressure value.

• Speed selection (rated power $P_2 \geq 600W$)

The rotation speed can be adjusted manually on 3 predefined constant values (depending on models).

• Remote monitoring (SSM)

In addition, a dry contact (open by default) allows the remote monitoring of any operating incident (e.g. through a building management system).

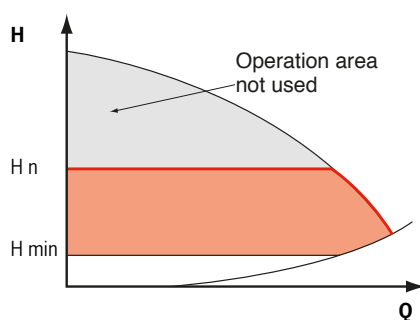
• Double circulators (or two single pumps installed in parallel)

The Duty/Stand-by operation mode is allowed.

For an automatic fault-actuated switchover, a switchgear using the collective fault signal available on the pump (SSM) is required on site. Parallel operation is not permissible, since the pumps can interfere with each other's operating behaviour.

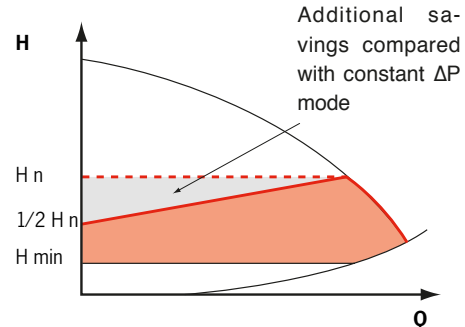
OPERATING PRINCIPLE

ΔP Constant Mode



Electronic module maintains constant the differential pressure produced by the pump at the differential pressure value of H_n instruction, up to the curve of operating data through the authorized flow rating.

ΔP Variable Mode



Electronic module modifies linearly the differential pressure value between H_n and 1/2 H_n instruction to be met by the pump. Differential pressure value of H instruction increases or decreases acc. to the requested flow rate.

TABLE OF FUNCTIONS

	Priux master	Priux master-D
Operating modes		
Speed selection (n = constant)	P2≥600W	P2≥600W
Δp-c for constant differential pressure	•	•
Δp-v for variable differential pressure	•	•
Manual functions		
Adjustment of operating mode	•	•
Adjustment of differential-pressure setpoint	•	•
Adjustment of speed (manual setting mode)	3 predefined values	3 predefined values
Automatic functions		
Smooth adjustment of power depending on the operating mode	•	•
Deblocking function	•	•
Soft start	•	•
Full motor protection with integrated trip electronics	•	•
Signal and display functions		
Collective fault signal (potential free NC contact)	•	•
Fault light	•	•
7 segments LED display for showing pressure setpoint and fault codes	•	•
Dual pump management (double pumps or 2 x single pumps)		
Main/standby pump operation	switchgear required on site	switchgear required on site
Parallel operation	—	—
Equipment / scope of delivery		
Wrench attachment point on pump body	Threaded types with P2 < 200 W	—
Double changeover valve in pump housing	—	•
Cable entry possible on both sides	—	—
Integrated air separator for automatic rapid ventilation Rp 3/8	—	—
Plug-in slot for optional extension with SALMSON IF modules	—	—
Blocking-current-proof motor	—	—
Incl. seals for threaded connection or flanges (loose)	•	•
Incl. installation and operating instructions	•	•
Heat insulation	accessory in option	—
Incl. washers and bolts for flanges (for DN 32 - DN 100 nominal connection diameters)	•	•
Particle filter	•	•

• = available ; — = not available

PRIUX MASTER

TECHNICAL DATA - PRIUX MASTER

	25-55	25-65	25-90	32-55	32-65	32-90	40-30	40-60	40-80	40-110	50-60	50-70	50-80	50-110	65-80	65-90	65-110	80-40	80-90	100-90	
Approved fluids (other fluids on request)																					
Heating water (as per VDI 2035)											•										
Water/glycol-mixtures (max. 50%; mixtures with more than 20 % glycol content require rechecking of the pumping data)											•										
Drinking water and water for food businesses in accordance with TrinkwV 2001											—										
Performance																					
Max. delivery head [m]	7	10	12	7	10	12	5	8	12	17	8	9	11	16	9	11	17	7	13	13	
Flow rate max. [m³/h]	7	8	11	7	8	11	11	14	19	29	14	24	28	44	28	40	56	45	63	63	
Permitted field of application																					
Temperature range when used in heating, ventilation & air conditioning systems - at max. ambient temperature +40 °C [°C]																					
Temperature range for use in drinking-water circulation systems - at max. ambient temperature +40 °C [°C]																					
- at max. ambient temperature +40 °C in short-term operation 2 h [°C]																					
Max. permissible total hardness in drinking watercirculation systems [°d]																					
Standard version with nominal pressure, p max [bar]																					
Pipe connections																					
Pipe connection Rp	1	1	1	1 1/4	1 1/4	1 1/4															
Nominal diameter DN							40	40	40	40	50	50	50	50	65	65	65	80	80	100	
Flange for mating flange PN 10, standard version	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	•	•	•	
Combination flange PN 6/10 for mating flanges PN 6 and PN 16, standard version	—	—	—	—	—	—	•	•	•	•	•	•	•	•	•	•	•	—	—	—	
Electrical connection																					
Mains supply connection 1~ [V], standard version																					
Mains supply connection 3~ [V], standard version																					
Mains supply connection 3~ [V], with optional switching plug																					
Mains frequency [Hz]																					
Motor/electronics																					
Electromagnetic compatibility																					
Emitted interference																					
Immunity to interference																					
Power electronics																					
Protection class																					
Insulation class																					

• = available ; — = not available

PRIUX MASTER

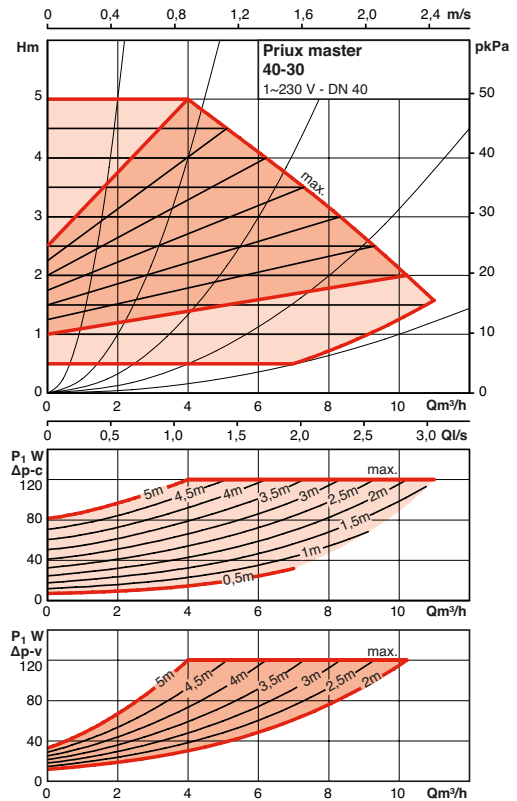
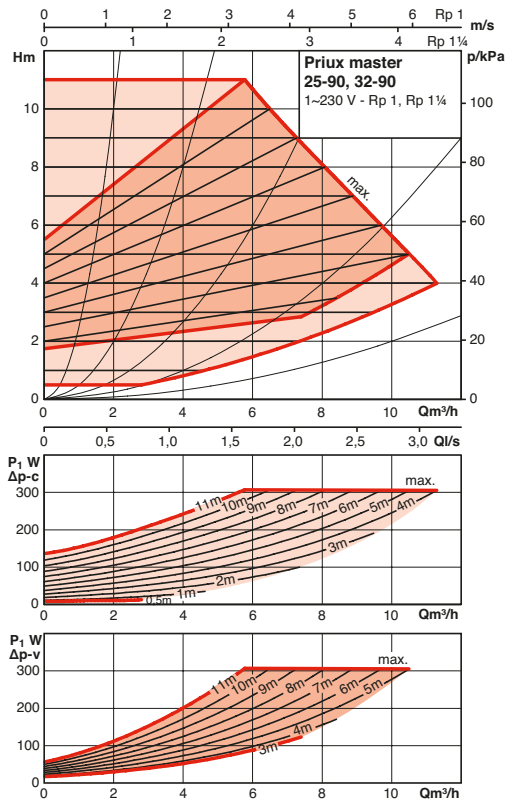
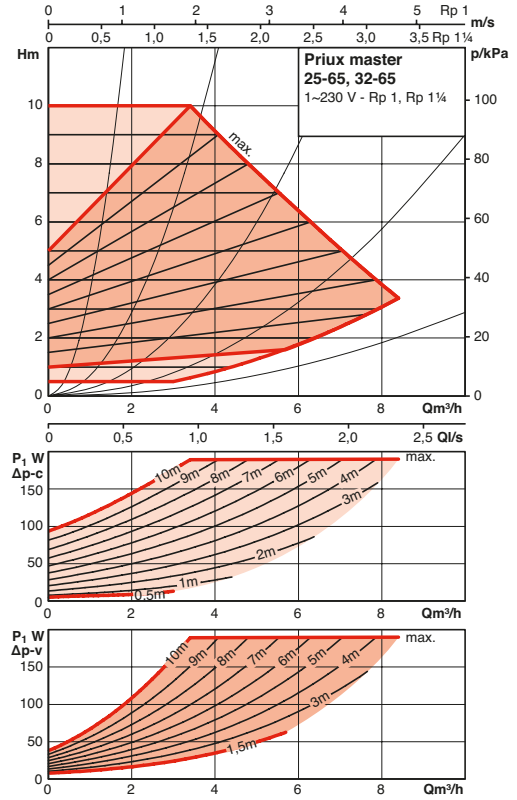
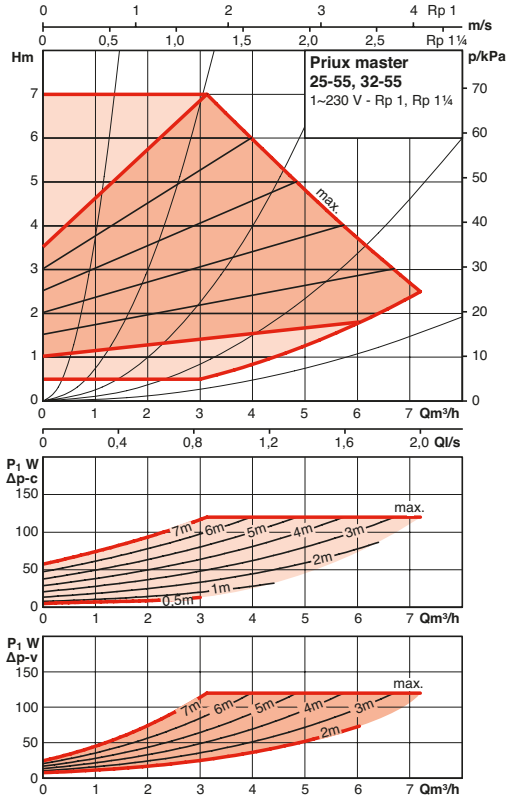
TECHNICAL DATA - PRIUX MASTER-D

	32-55	32-90	40-60	40-80	40-110	50-70	50-80	50-110	65-90	65-110	80-90	
Approved fluids (other fluids on request)												
Heating water (as per VDI 2035)												•
Water/glycol-mixtures (max. 50%; mixtures with more than 20 % glycol content require rechecking of the pumping data)												•
Drinking water and water for food businesses in accordance with TrinkwV 2001												—
Performance												
Max. delivery head [m]	7	9	8	12	17	9	11	16	11	17	13	
Flow rate max. [m ³ /h]	6,5	12	13,5	17	27	19	22	38	38	53	60	
Permitted field of application												
Temperature range when used in heating, ventilation & air conditioning systems - at max. ambient temperature +40 °C [°C]												-20 to +110
Temperature range for use in drinking-water circulation systems - at max. ambient temperature +40 °C [°C]												—
- at max. ambient temperature +40 °C in short-term operation 2 h [°C]												—
Max. permissible total hardness in drinking water circulation systems [°d]												—
Standard version with nominal pressure, p max [bar]												6/10
Pipe connections												
Pipe connection Rp												—
Nominal diameter DN	32	32	40	40	40	50	50	50	65	65	80	
Flange for mating flange PN 10, standard version	—	—	—	—	—	—	—	—	—	—	—	•
Combination flange PN 6/10 for mating flanges PN 6 and PN 16, standard version	•	•	•	•	•	•	•	•	•	•	•	—
Electrical connection												
Mains supply connection 1~ [V], standard version												230
Mains supply connection 3 ~ [V], standard version												230
Mains supply connection 3 ~ [V], with optional switching plug												—
Mains frequency [Hz]												50/60
Motor/electronics												
Electromagnetic compatibility												EN 61800-3
Emitted interference												EN 61000-6-3
Immunity to interference												EN 61000-6-2
Power electronics												Frequency converter
Protection class												IPX4D
Insulation class												F

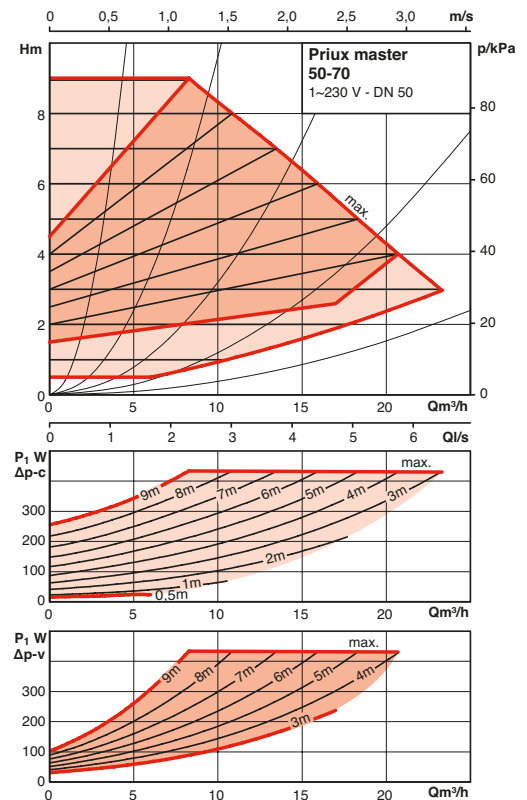
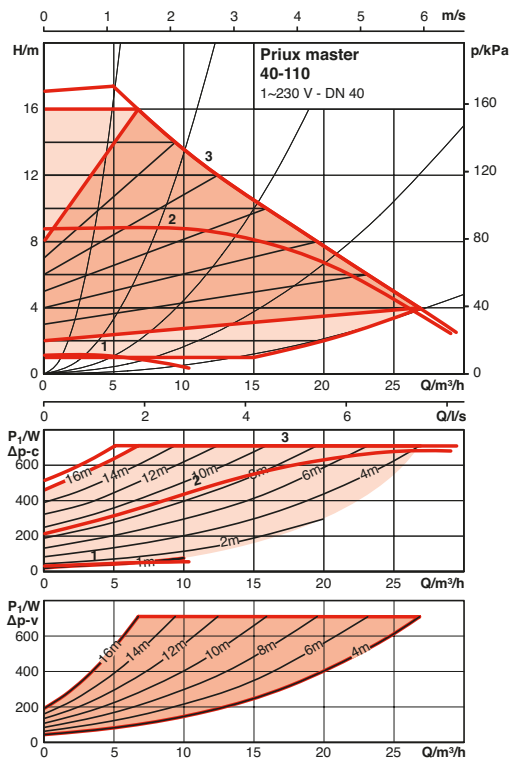
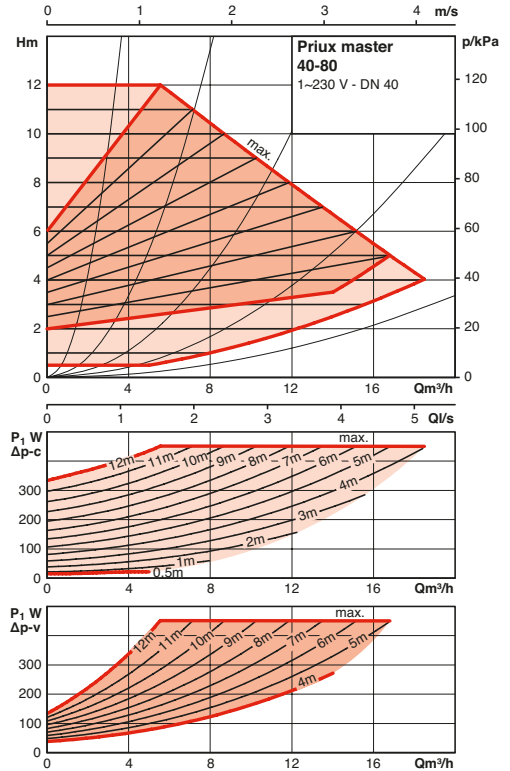
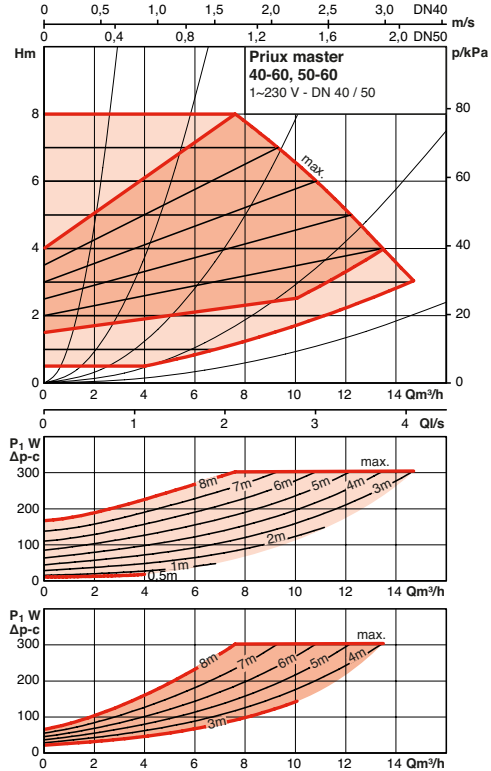
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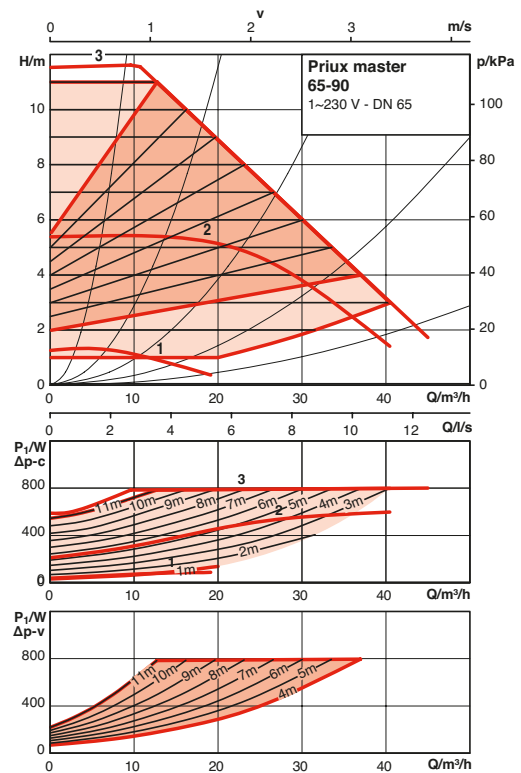
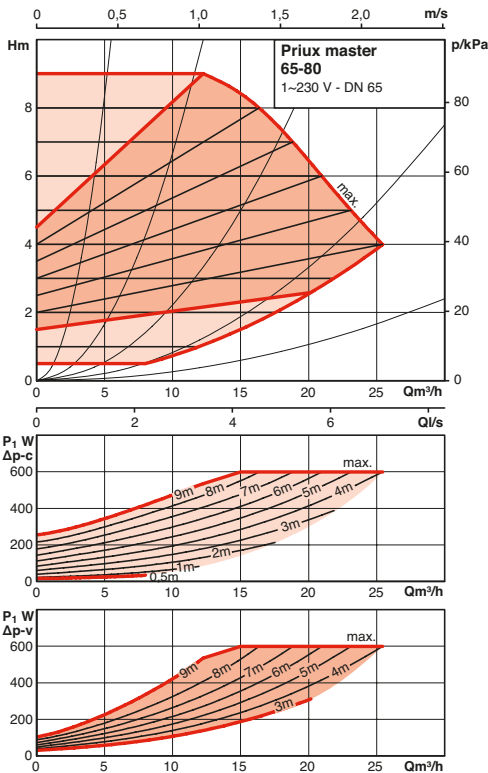
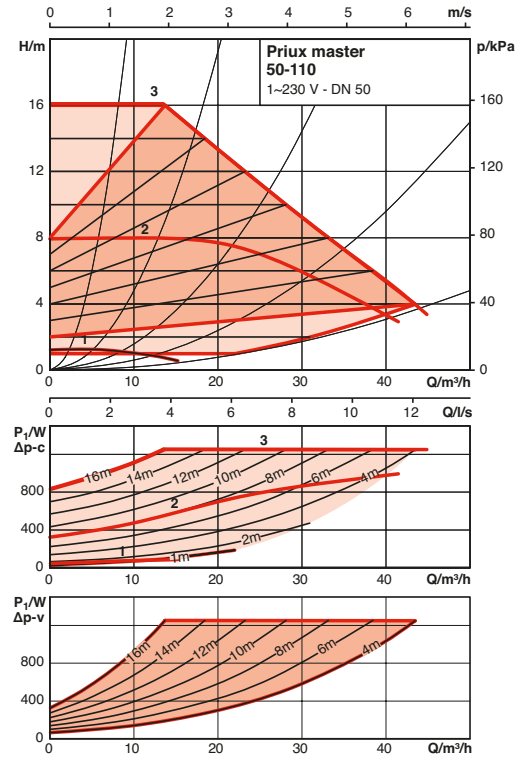
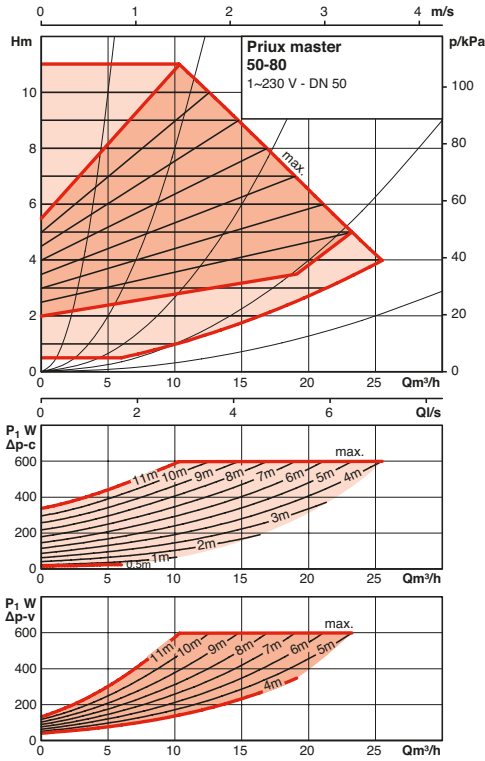


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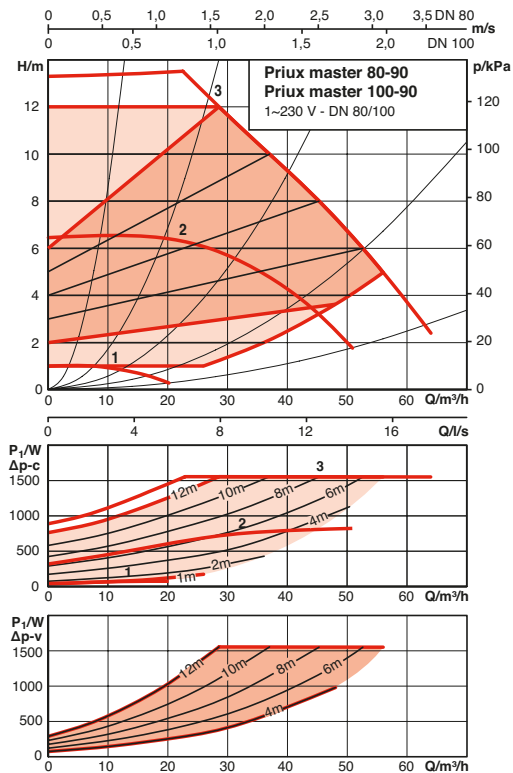
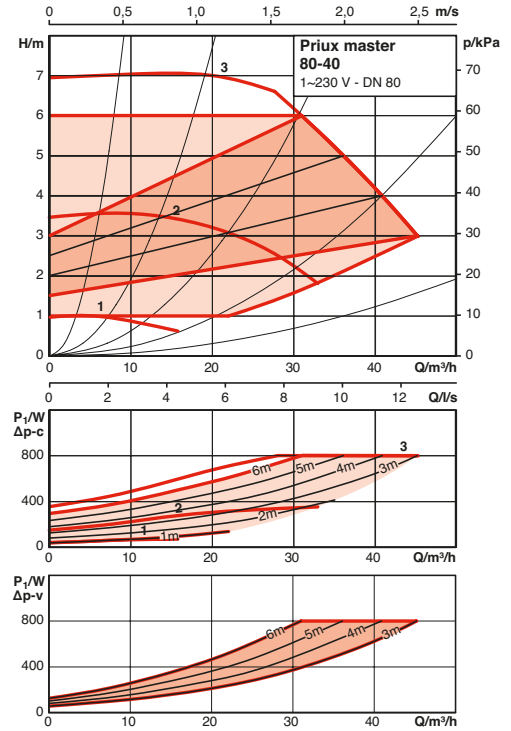
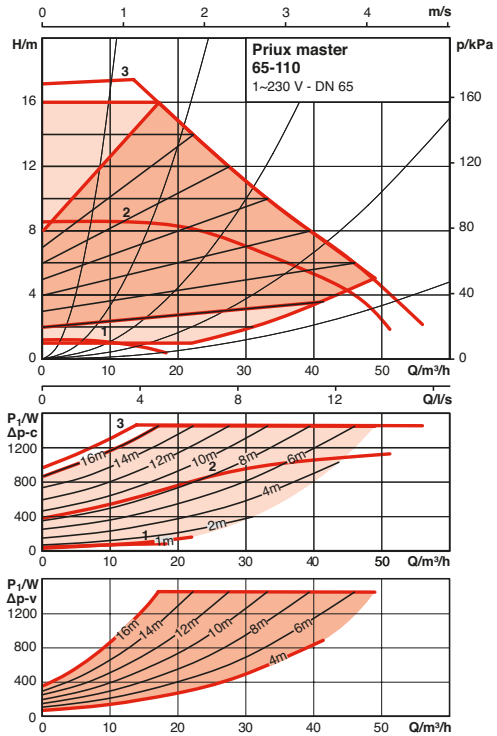


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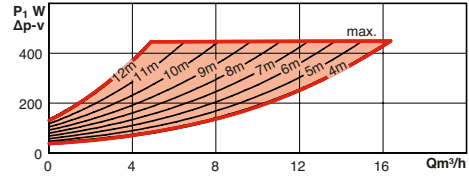
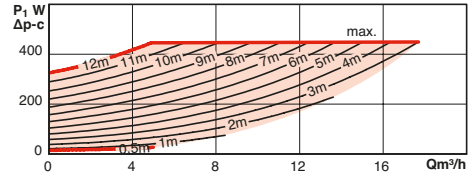
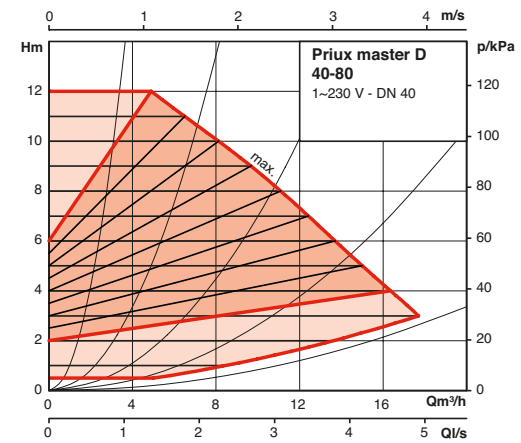
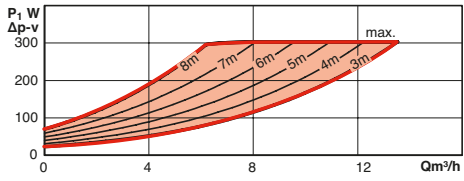
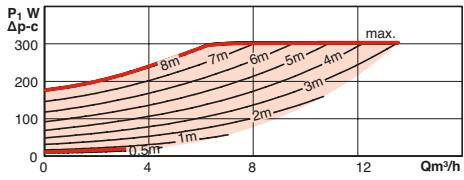
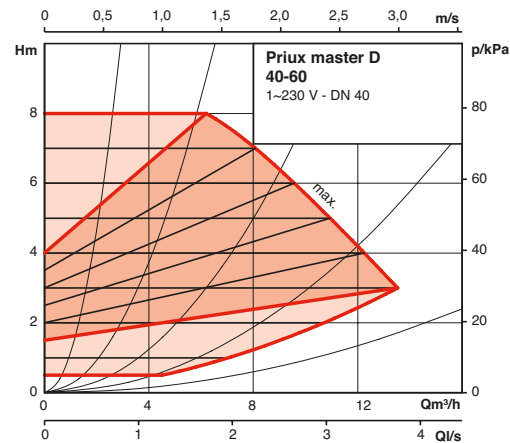
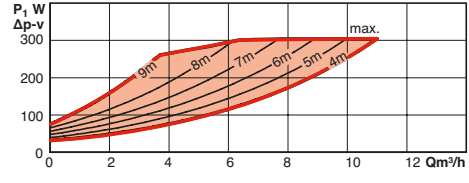
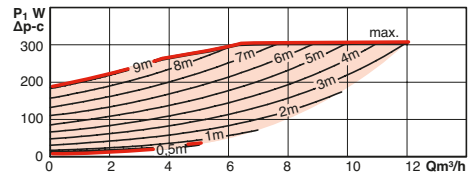
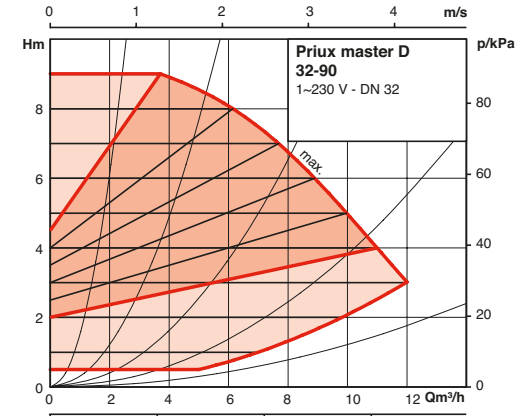
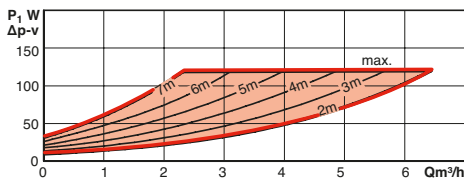
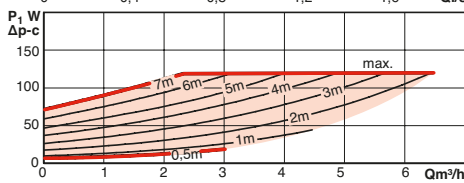
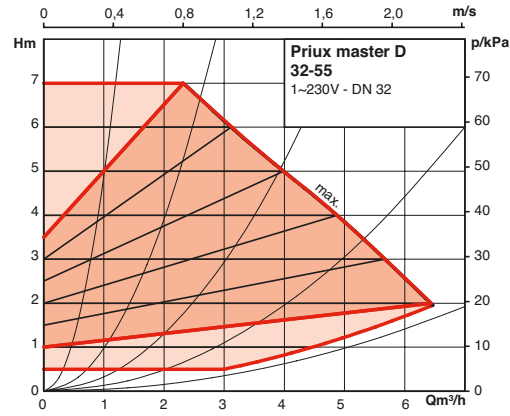


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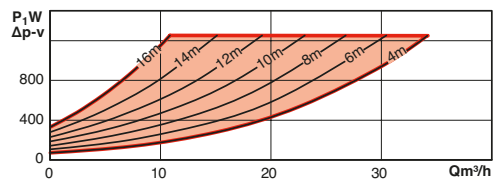
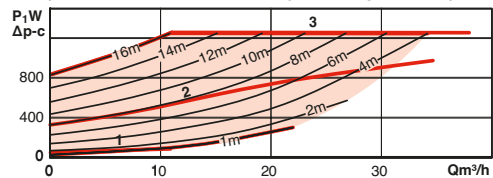
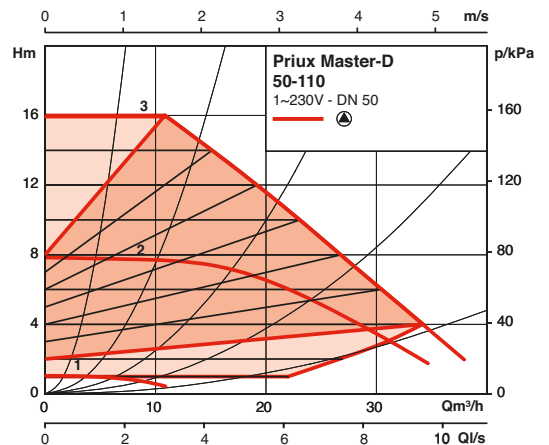
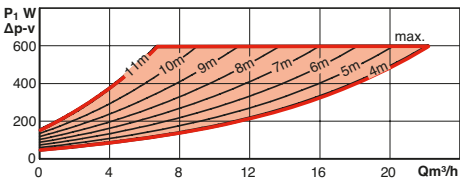
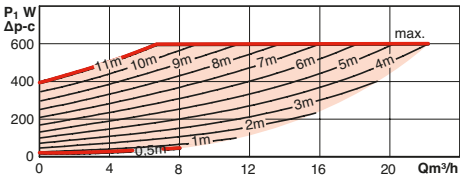
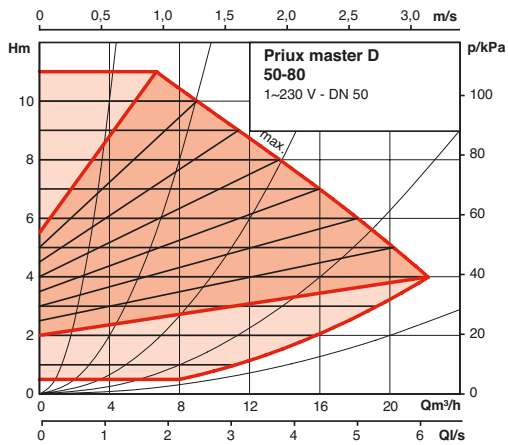
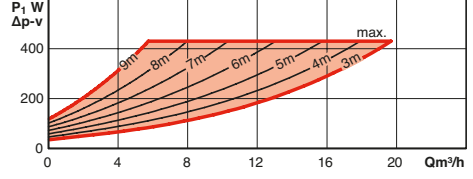
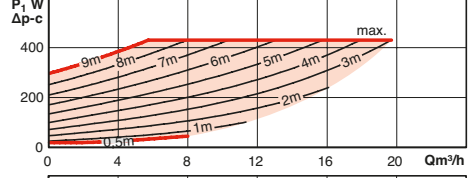
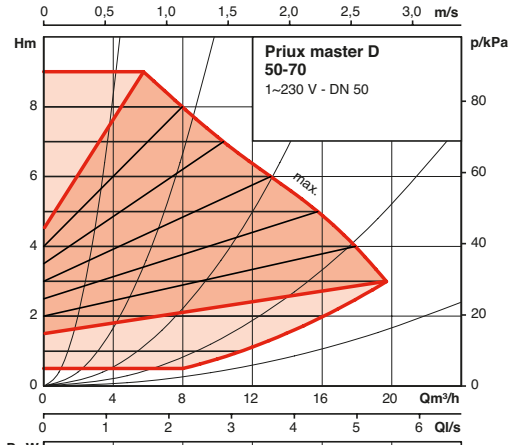
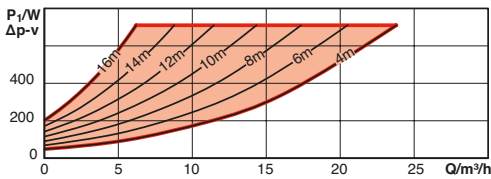
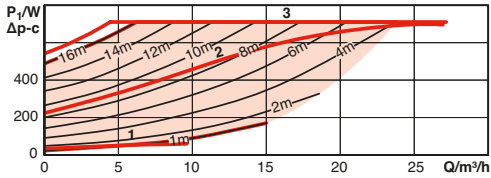
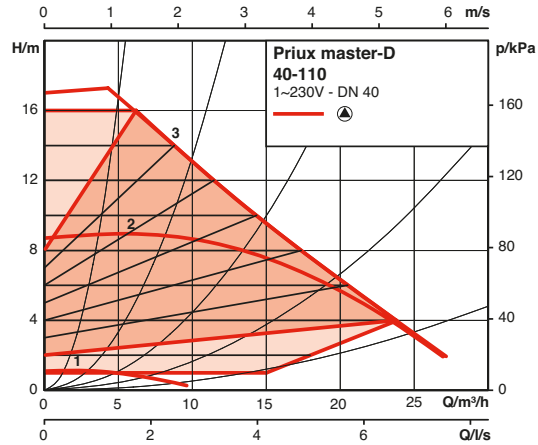


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HYDRAULIC PERFORMANCES - PRIUX MASTER-D

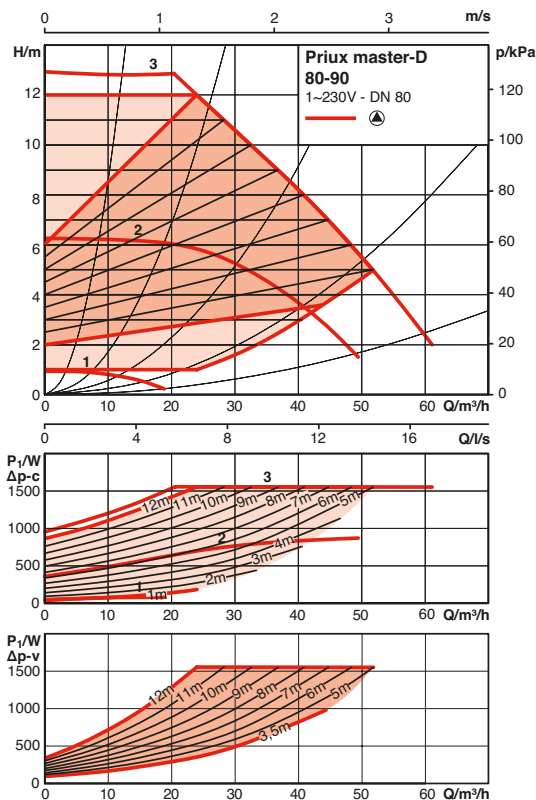
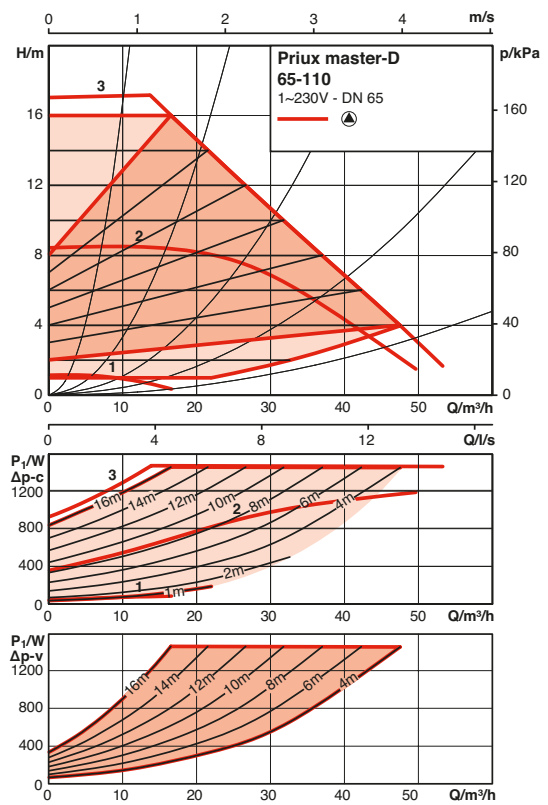
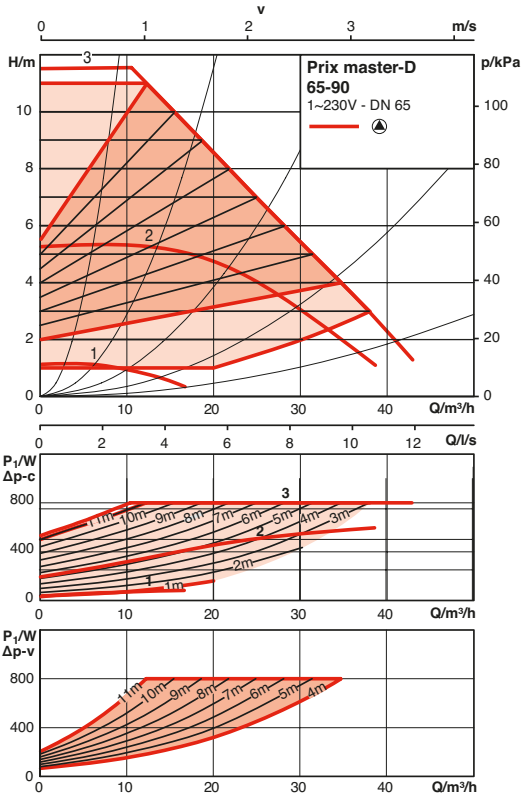


HYDRAULIC PERFORMANCES - PRIUX MASTER-D



PRIUX MASTER

HYDRAULIC PERFORMANCES - PRIUX MASTER-D



PRIUX MASTER

MOTOR DATA - PRIUX MASTER

	Rated power	Speed	Power consumption	Current at 1~230V	Current at 3~230V	Motor protection	Pg thread connection
	P2 [W]	n [1/min]	P1 [W]	I [A]			
25-55	90	1000-3700	5-120	0,08-0,9	0,08-0,9	integrated	2xM20
25-65	140	1000-4400	5-190	0,08-1,3	0,08-1,3	integrated	2xM20
25-90	200	1000-4800	10-305	0,15-1,33	0,15-1,33	integrated	2xM20
32-55	90	1000-3700	5-120	0,08-0,9	0,08-0,9	integrated	2xM20
32-65	140	1000-4400	5-190	0,08-1,3	0,08-1,3	integrated	2xM20
32-90	200	1000-4800	10-305	0,15-1,33	0,15-1,33	integrated	2xM20
40-30	90	1200-3700	7-120	0,09-0,9	0,09-0,9	integrated	2xM20
40-60	200	1200-4800	10-305	0,15-1,33	0,15-1,33	integrated	2xM20
40-80	350	950-4500	15-450	0,17-2,0	0,17-2,0	integrated	2xM20
40-110	600	800-3500	25-710	0,25-3,15	0,25-3,15	integrated	2xM20
50-60	200	1200-4800	10-305	0,15-1,33	0,15-1,33	integrated	2xM20
50-70	350	950-4000	15-430	0,17-1,88	0,17-1,88	integrated	2xM20
50-80	500	950-4400	15-600	0,17-2,65	0,17-2,65	integrated	2xM20
50-110	1050	800-3300	40-1250	0,30-5,50	0,30-5,50	integrated	2xM20
65-80	500	950-4000	15-600	0,17-2,65	0,17-2,65	integrated	2xM20
65-90	650	800-2800	40-800	0,30-3,50	0,30-3,50	integrated	2xM20
65-110	1200	800-3400	40-1450	0,30-6,40	0,30-6,40	integrated	2xM20
80-40	650	900-2400	40-800	0,30-3,50	0,30-3,50	integrated	2xM20
80-90	1300	930-300	40-1550	0,30-6,80	0,30-6,80	integrated	2xM20
100-90	1300	930-300	40-1550	0,30-6,80	0,30-6,80	integrated	2xM20

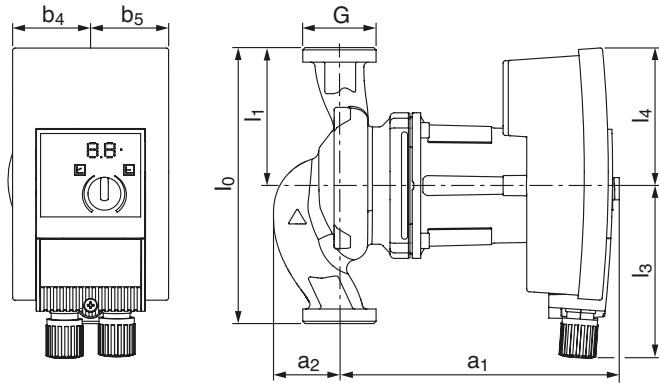
MOTOR DATA - PRIUX MASTER - D

	Rated power	Speed	Power consumption	Current at 1~230V	Current at 3~230V	Motor protection	Pg thread connection
	P2 [W]	n [1/min]	P1 [W]	I [A]			
32-55	90	1000-3700	5-120	0,08-0,9	0,08-0,9	integrated	2xM20
32-90	200	1000-4800	10-305	0,15-1,33	0,15-1,33	integrated	2xM20
40-60	200	1200-4800	10-305	0,15-1,33	0,15-1,33	integrated	2xM20
40-80	350	950-4500	15-450	0,17-2,00	0,17-2,00	integrated	2xM20
40-100	600	800-3500	25-710	0,25-3,15	0,25-3,15	integrated	2xM20
50-70	350	950-4000	15-430	0,17-1,88	0,17-1,88	integrated	2xM20
50-80	500	950-4400	15-600	0,17-2,65	0,17-2,65	integrated	2xM20
50-110	1050	800-3300	40-1250	0,30-5,50	0,30-5,50	integrated	2xM20
65-90	650	800-2800	40-800	0,30-3,50	0,30-3,50	integrated	2xM20
65-110	1200	800-3400	40-1450	0,30-6,40	0,30-6,40	integrated	2xM20
80-90	1300	930-300	40-1550	0,30-6,80	0,30-6,80	integrated	2xM20

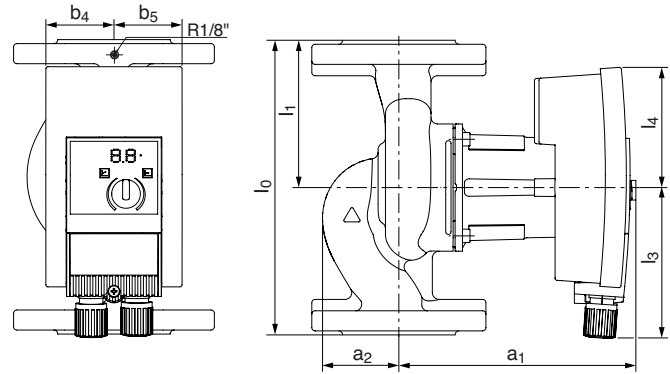
PRIUX MASTER

DIMENSIONS - PRIUX MASTER

Drawing A



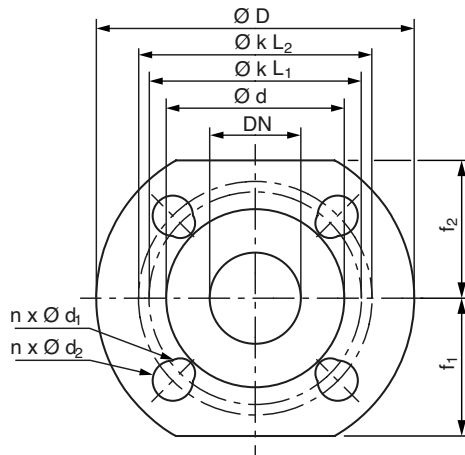
Drawing B



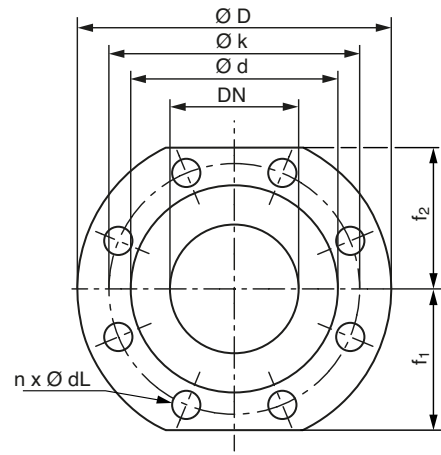
Nominal Diameter		Pipe diameter	Threaded	a1	a2	b4	b5	l0	l1	l3	l4	Weight	Drawing
DN		Rp	G	mm	mm	mm	mm	mm	mm	mm	mm	kg	-
25-55	—	1	1 1/2	183	44	51	51	180	90	113	90	4,5	A
25-65	—	1	1 1/2	183	44	51	51	180	90	113	90	4,5	A
25-90	—	1	1 1/2	248	47	64	64	180	90	135	98	5,3	A
32-55	—	1 1/4	2	183	44	51	51	180	90	113	90	4,6	A
32-65	—	1 1/4	2	183	44	51	51	180	90	113	90	4,6	A
32-90	—	1 1/4	2	248	47	64	64	180	90	135	98	5,4	A
40-30	40	—	—	178	57	51	51	220	110	113	90	8,6	B
40-60	40	—	—	253	48	64	64	220	110	135	98	9,2	B
40-80	40	—	—	318	64	71	71	250	125	152	109	13	B
40-110	40	—	—	323	62	87	87	250	125	160	169	21	B
50-60	50	—	—	356	46	64	64	240	120	135	98	10,5	B
50-70	50	—	—	321	53	71	71	280	140	152	109	14,2	B
50-80	50	—	—	321	53	71	71	280	140	152	109	14,2	B
50-110	50	—	—	325	66	87	87	340	170	160	169	25	B
65-80	65	—	—	330	57	71	71	280	140	152	109	16,1	B
65-90	65	—	—	337	70	87	87	340	170	160	169	25,8	B
65-110	65	—	—	332	66	87	87	340	170	160	169	27,5	B
80-40	80	—	—	333	84	87	87	360	180	160	169	29	B
80-90	80	—	—	333	84	87	87	360	180	160	169	30,4	B
100-90	100	—	—	345	85	87	87	360	180	160	169	33,4	B

FLANGES - PRIUX MASTER

Drawing C



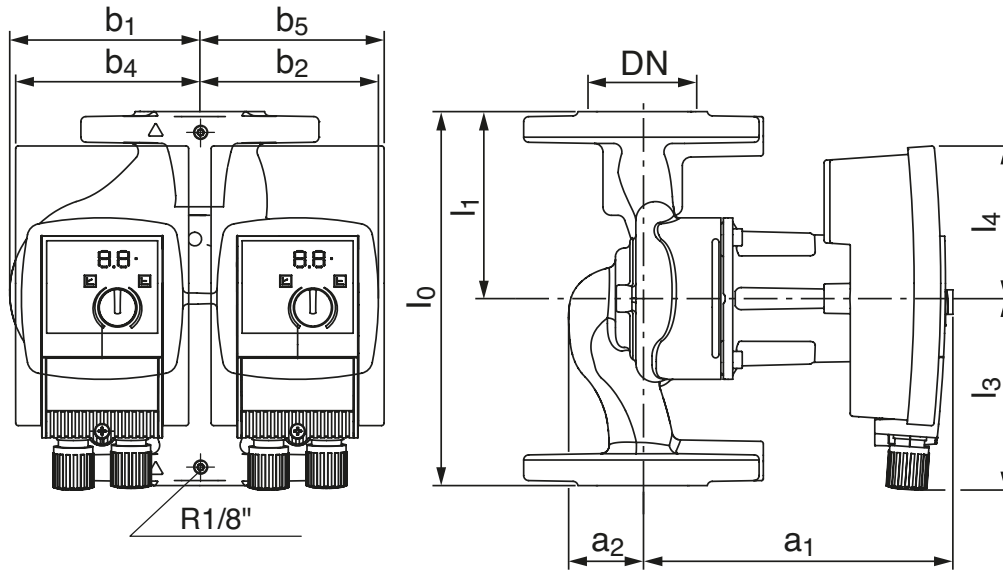
Drawing D



Flange	Nominal dia.	Pump flange dimensions								Drawing
		DN	D	d	KL1/KL2	Dia. k	n x d1/d2	n x dL	f1	
-	DN	D	d	KL1/KL2	Dia. k	n x d1/d2	n x dL	f1	f2	-
[-]	[-]	[mm]	[mm]	[mm]	[mm]	[pcs. x mm]	[mm]	[mm]	[mm]	[-]
40-30 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	40	150	84	100/110	-	4 x 14 / 19	-	65	65	C
40-60 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	40	150	84	100/110	-	4 x 14 / 19	-	65	65	C
40-80 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	40	150	84	100/110	-	4 x 14 / 19	-	65	65	C
40-110 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	40	150	84	100/110	-	4 x 14 / 19	-	65	65	C
50-60 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	50	165	99	110/125	-	4 x 14 / 19	-	70	70	C
50-70 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	50	165	99	110/125	-	4 x 14 / 19	-	70	70	C
50-80 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	50	165	99	110/125	-	4 x 14 / 19	-	70	70	C
50-110 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	50	165	99	110/125	-	4 x 14 / 19	-	70	70	C
65-80 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	65	185	118	130/145	-	4 x 14 / 19	-	80	80	C
65-90 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	65	185	118	130/145	-	4 x 14 / 19	-	80	80	C
65-110 Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	65	185	118	130/145	-	4 x 14 / 19	-	80	80	C
80-40 Flange PN10 (flange PN 16 according to EN 1092-2)	80	200	132	-	160	-	8 x 19	90	90	D
80-90 Flange PN10 (flange PN 16 according to EN 1092-2)	80	200	132	-	160	-	8 x 19	90	90	D
100-90 Flange PN10 (flange PN 16 according to EN 1092-2)	100	220	156	-	180	-	8 x 19	100	100	D

PRIUX MASTER

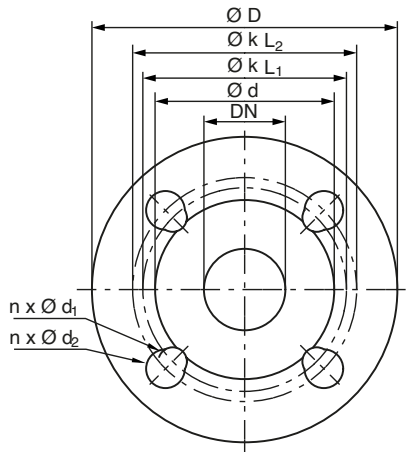
DIMENSIONS - PRIUX MASTER - D



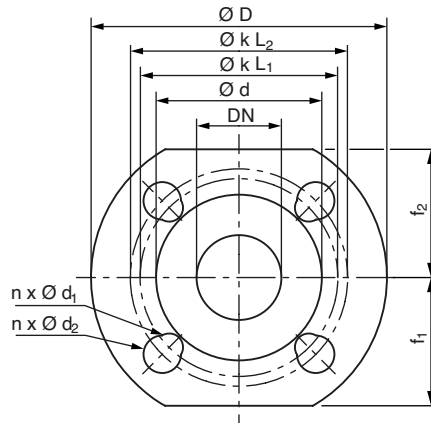
Nominal Diameter	Pipe diameter	Threaded	a1	a2	b1	b2	b4	b5	l0	l1	l3	l4	Weight
DN	—	—	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
32-55	32	—	183	47	112	106	109	109	220	110	113	90	10,4
32-90	32	—	267	57	112	105	119	139	220	110	135	98	17,1
40-60	40	—	269	64	125	138	124	144	220	110	135	98	17,5
40-80	40	—	329	62	151	144	151	151	250	125	152	109	24,0
40-110	40	—	323	65	192	192	197	197	250	125	160	169	42,8
50-70	50	—	333	62	159	148	151	151	280	140	152	109	26,4
50-80	50	—	333	62	159	148	151	151	280	140	152	109	26,0
50-110	50	—	318	70	201	192	197	197	340	170	160	169	47,2
65-90	65	—	337	88	209	196	197	197	340	170	160	169	50,7
65-110	65	—	323	80	209	196	197	197	340	170	160	169	50,2
80-90	80	—	342	100	235	221	212	212	360	180	160	169	56,6

FLANGES - PRIUX MASTER - D

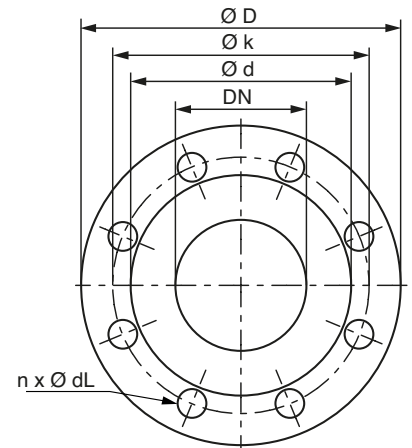
Drawing E



Drawing F



Drawing G



	Flange	Nominal dia.		Pump flange dimensions					Dimension drawing		
		DN	D	d	KL1/KL2	Dia. k	n x d1/d2	n x dL	f1	f2	-
	[-]	[-]		[mm]			[pcs. x mm]		[mm]		[-]
32-55	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	32	140	76	90/100	-	4 x 14 / 19	-	-	-	E
32-90	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	32	140	76	90/100	-	4 x 14 / 19	-	-	-	E
40-60	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	40	150	84	100/110	-	4 x 14 / 19	-	-	-	E
40-80	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	40	150	84	100/110	-	4 x 14 / 19	-	-	-	E
40-110	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	40	150	84	100/110	-	4 x 14 / 19	-	65	65	F
50-70	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	50	165	99	110/125	-	4 x 14 / 19	-	-	-	E
50-80	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	50	165	99	110/125	-	4 x 14 / 19	-	-	-	E
50-110	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	50	165	99	110/125	-	4 x 14 / 19	-	70	70	F
65-90	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	65	185	118	130/145	-	4 x 14 / 19	-	-	-	E
65-110	Combination flange PN6/10 (flange PN 16 according to EN 1092-2)	65	185	118	130/145	-	4 x 14 / 19	-	80	80	F
80-90	Flange PN 10 (flange PN 16 according to EN 1092-2)	80	200	132	-	160	-	8x19	-	-	G

PRIUX MASTER

MIN. SUCTION LOAD

• Priux master

Minimum suction head at suction port [m] for preventing cavitation at water pumping temperature

	25-55	25-65	25-90	32-55	32-65	32-90	40-30	40-60	40-80	40-110	50-60	50-70	50-80	50-110	65-80	65-90	65-110	80-40	80-90	100-90
50°C	3	3	3	3	3	3	5	5	5	7	5	5	5	7	5	7	7	7	7	7
95°C	10	10	10	10	10	10	12	12	12	15	12	12	12	15	12	15	15	15	15	15
110°C	16	16	16	16	16	16	18	18	18	23	18	18	18	23	18	23	23	23	23	23

• Priux master - D

Minimum suction head at suction port [m] for preventing cavitation at water pumping temperature

	32-55	32-90	40-60	40-80	40-110	50-70	50-80	50-110	65-90	65-110	80-90
50°C	3	3	5	5	7	5	5	7	7	7	7
95°C	10	10	12	12	15	12	12	15	15	15	15
110°C	16	16	18	18	23	18	18	23	23	23	23

FEATURES

a) Packaging

Threaded models: supplied with gaskets without unions.

Flanged models: supplied with flange seals and bolts, without counterflanges (optional).

b) Maintenance

Replacing of motor unit.

RECOMMENDED ACCESSORIES

- Unions and PN 10/16 weldable round counterflanges
- Insulation shell (heating application)
- Adaptation fittings.
- Isolation valves
- Kit press 6.
- MGP / YN 1200 control box.