

BETTY

portable self-priming pumps



RANGE OF PERFORMANCE

Flow range up to 50 l/min (3 m³/h)
Head up to 70 m

LIMITS OF USE

Manometric suction lift up to 9 m
Liquid temperature up to + 40°C
Environment temperature up to + 40°C

CONSTRUCTION AND SAFETY STANDARDS

EN 60 335-1	EN 60034-1
IEC 335-1	IEC 34-1
CEI 61-150	CEI 2-3



INSTALLATION AND USE

PORTABLE SELF-PRIMING PUMPS CAPABLE OF CLEARING ENTRAINED AIR FROM THE SUCTION PIPE. RECOMMENDED FOR GARDENING, VEGETABLE GARDENS, WASHING AND HOBBY APPLICATIONS THEY ARE SUITABLE FOR USE WITH ANY LIQUIDS COMPATIBLE WITH THE MATERIALS OF CONSTRUCTION.

GUARANTEE 2 YEARS subject to our general terms of sale.

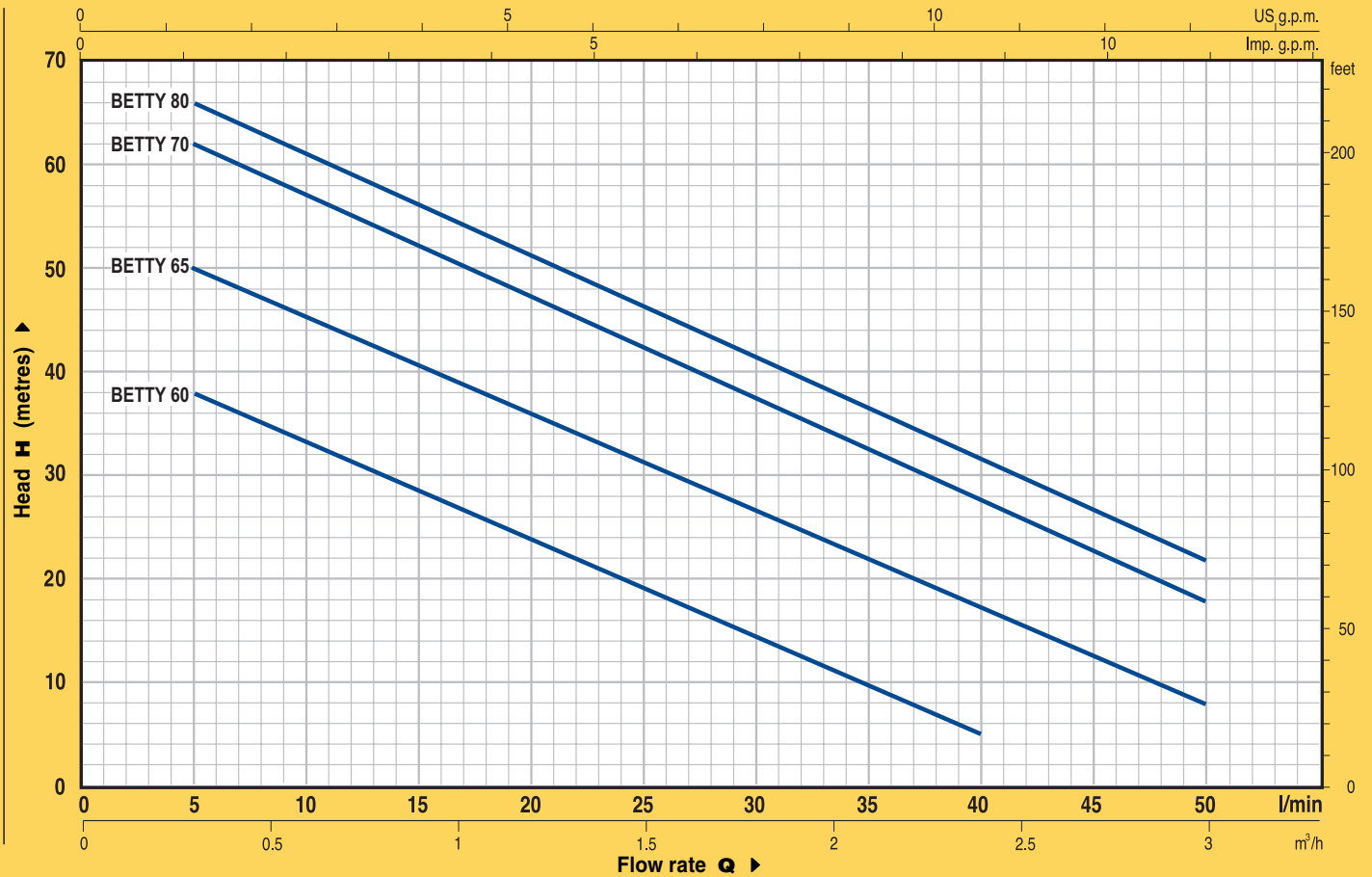
CONSTRUCTION CHARACTERISTICS

- PUMP BODY: BETTY: cast iron;
BETTINOX: stainless steel AISI 304.
- BETTY 60, 65, 70, 80: CHECK FLAP VALVE built into the suction port.
- IMPELLER:
BETTY 60, 65, 70, 80: brass, type with radial peripheral vanes;
BETTY 1, 2, 3
BETTINOX: technopolymer, centrifugal type.
- MOTOR SHAFT: stainless steel EN 10088-3 - 1.4104.
- MECHANICAL SEAL: ceramic - graphite - NBR.
- ELECTRIC MOTOR: induction motor, for continuous duty.
Single-phase: 230 V - 50 Hz with capacitor and thermal overload protector.
- INSULATION: class F. ● PROTECTION: IP 44.

STANDARD FEATURES:

- BETTY** Carrying handle.
Hosetails Ø 20 mm.
1.5 m power cable with Schuko plug.

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

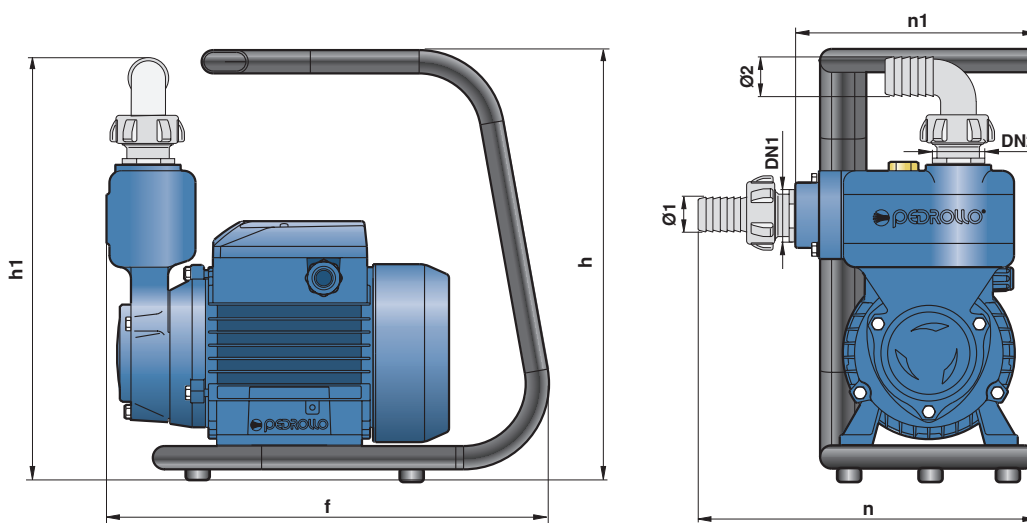


TYPE Single-phase	POWER		Q l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
	kW	HP		0	5	10	15	20	25	30	35	40	45	50
BETTY 60	0.37	0.50	H metres	40	38	33.5	29	24	19.5	15	10	5		
BETTY 65	0.50	0.70		55	50	45.5	40.5	36	31	27	22	17	12.5	8
BETTY 70	0.60	0.85		65	62	57	52	47	42	37	32	27	22	18
BETTY 80	0.75	1		70	66	61	56	51	46	41	36.5	31	27	22

Q = Flow rate H = Total manometric head

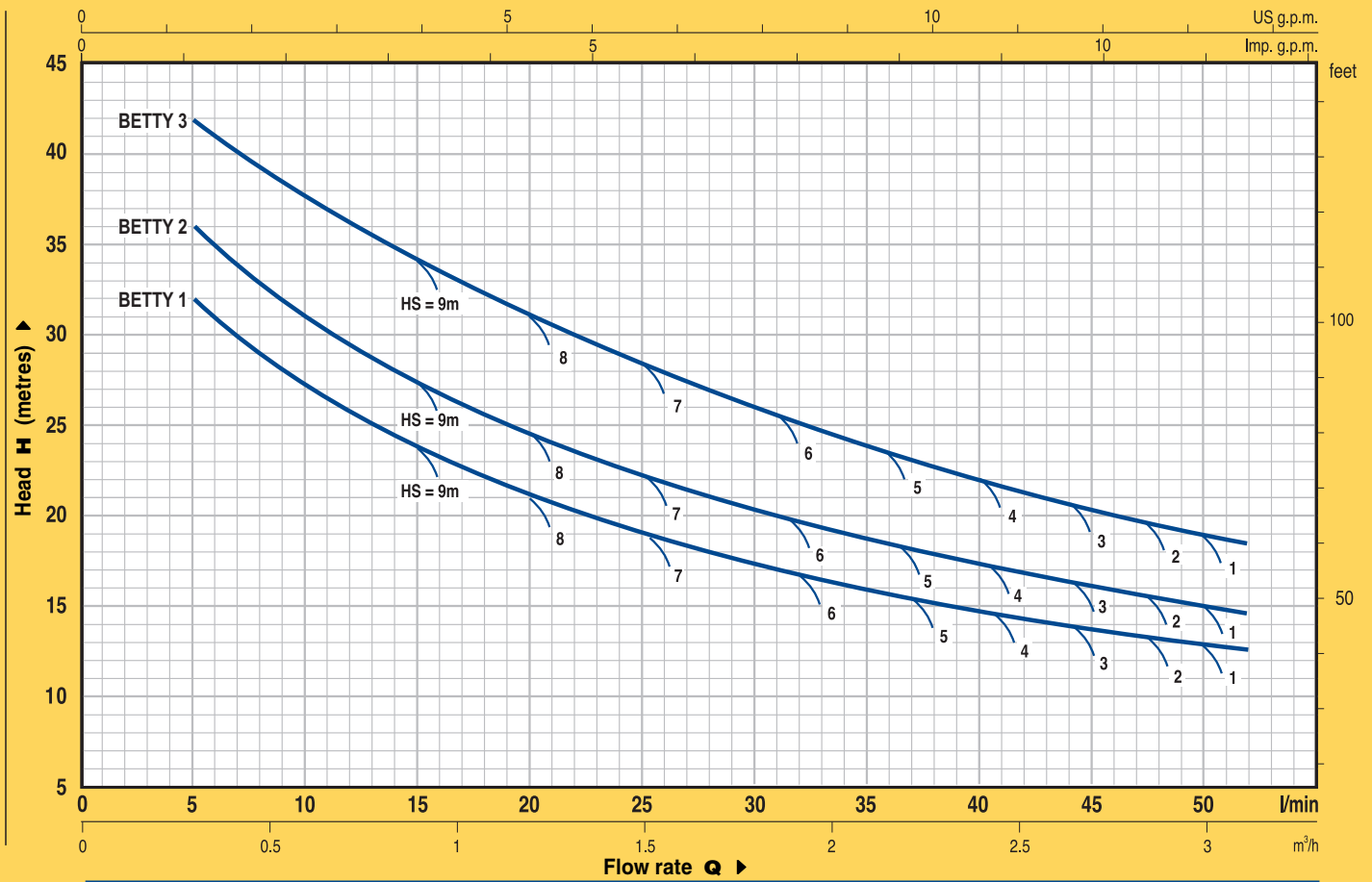
Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



TYPE Single-phase	PORTS		DIMENSIONS mm							kg
	DN1	DN2	Ø1	Ø2	f	h	h1	n	n1	
BETTY 60	1"	1"	20	20	270	273	267	220	160	7.9
BETTY 65					277					9.5
BETTY 70					12.6					
BETTY 80					12.8					

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

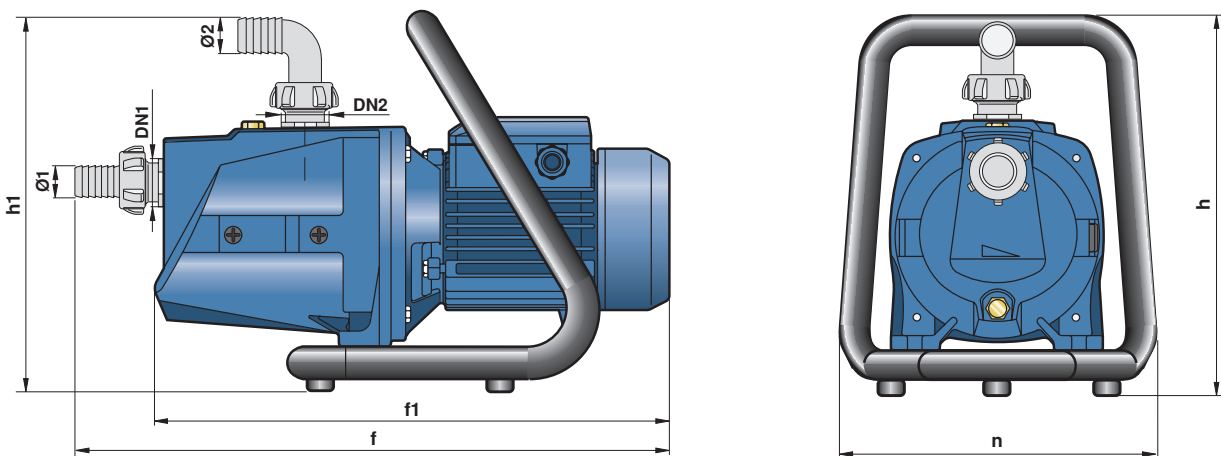


TYPE	POWER		Q	Flow rate											
	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	
Single-phase				0	5	10	15	20	25	30	35	40	45	50	
BETTY 1	0.37	0.50	H metres	35	32	27	24	21	19	17	16	15	14	13	
BETTY 2	0.50	0.70		41	36	31	27	24	22	20	19	17	16	15	
BETTY 3	0.60	0.85		47	42	38	34	31	28.5	26	24	22	21.5	19	

Q = Flow rate H = Total manometric head Hs = Suction height

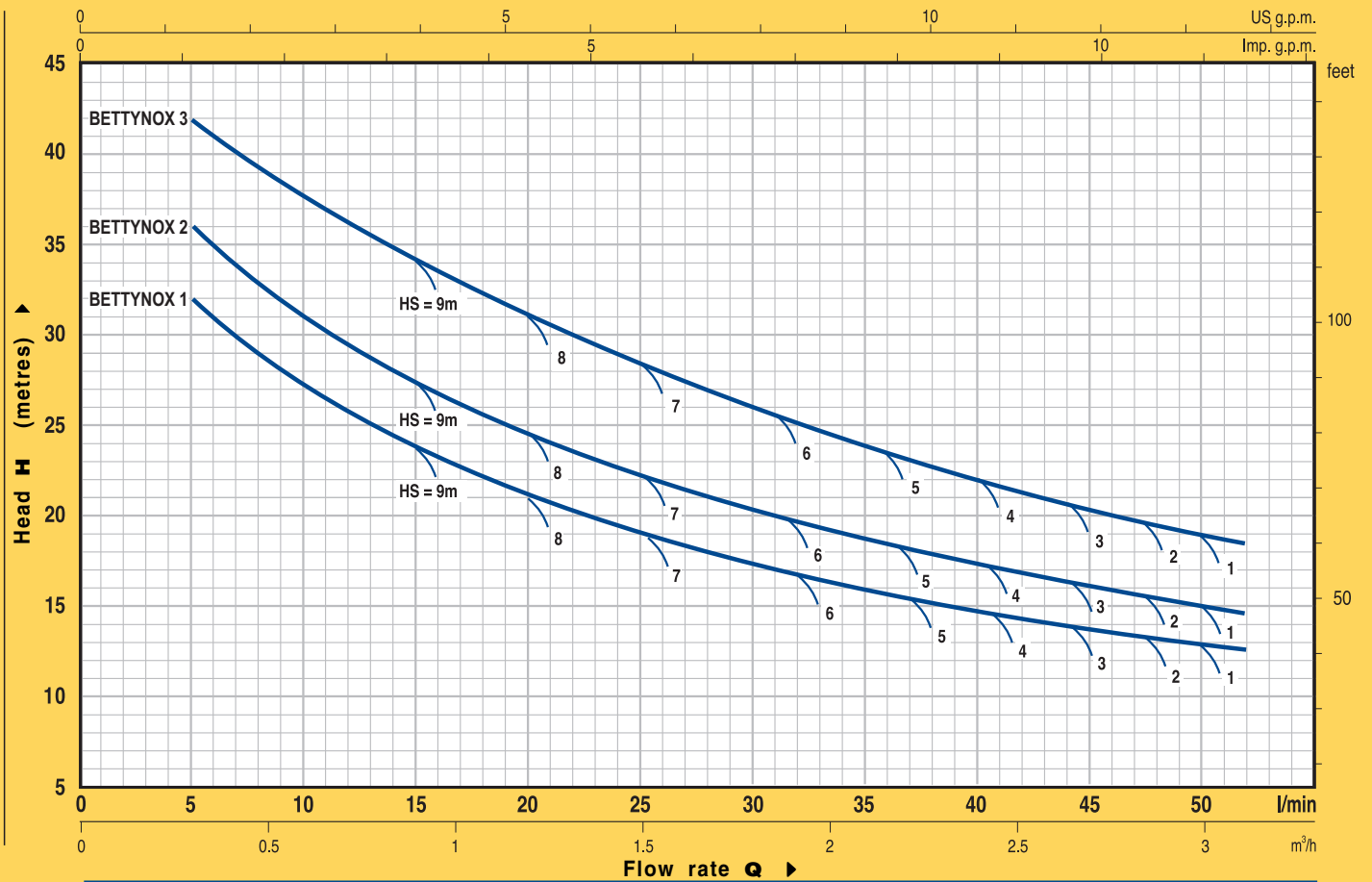
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DIMENSIONS AND WEIGHTS



TYPE	PORTS		DIMENSIONS mm						kg	
	DN1	DN2	Ø1	Ø2	f	f1	h	h1		n
BETTY 1	1"	1"	20	20	439	379	260	255	230	10.0
BETTY 2					447	387				10.7
BETTY 3										10.9

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

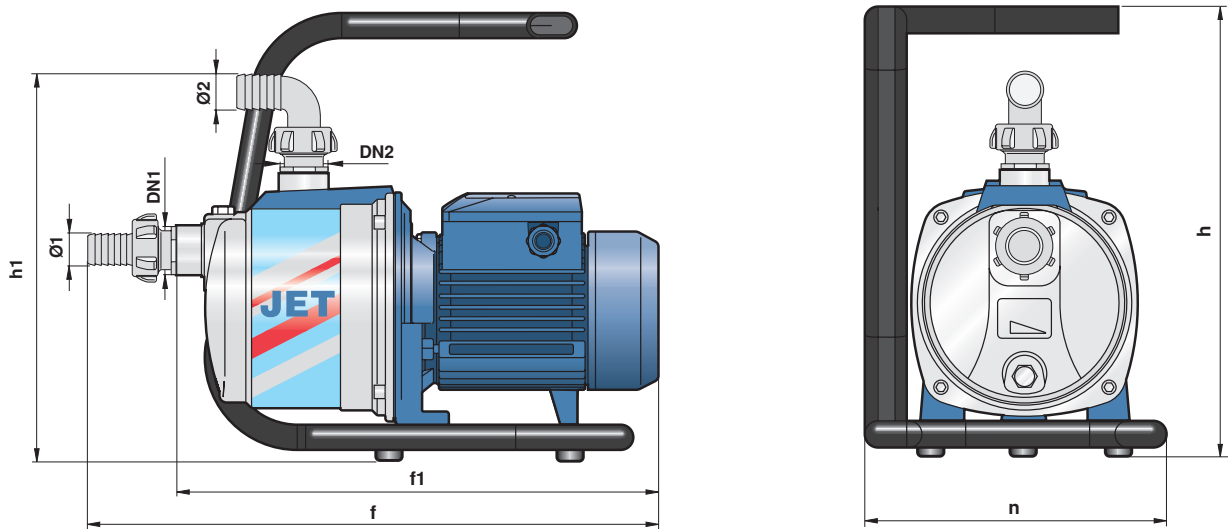


TYPE	POWER		Q	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
	kW	HP		0	5	10	15	20	25	30	35	40	45	50
Single-phase			m³/h											
BETTYNOX 1	0.37	0.50	l/min	35	32	27	24	21	19	17	16	15	14	13
BETTYNOX 2	0.50	0.70	H metres	41	36	31	27	24	22	20	19	17	16	15
BETTYNOX 3	0.60	0.85		47	42	38	34	31	28.5	26	24	22	21.5	19

Q = Flow rate H = Total manometric head Hs = Suction height

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



TYPE	PORTS		DIMENSIONS mm							kg
	DN1	DN2	Ø1	Ø2	f	f1	h	h1	n	
Single-phase										
BETTYNOX 1	1"	1"	20	20	405	345	270	260	198	7.9
BETTYNOX 2										8.0
BETTYNOX 3					413	353				9.2