

3-4CP

multistage centrifugal pumps

Economical, compact and particularly quiet, this range of domestic pumps offers high output with low consumption.



3CPm 80

PERFORMANCE RANGE

Flow rate up to 110 l/min (6.6 m³/h)
Dynamic head up to 50 m

OPERATING LIMITS

Suction lift up to 7 m
Fluid temperature up to + 40°C
Maximum ambient temperature + 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

PUMP INSTALLATION AND APPLICATIONS

These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components.

THEY ARE EXTREMELY RELIABLE, SIMPLE TO USE, QUIET AND VIRTUALLY MAINTENANCE-FREE, FINDING MANY USES IN DOMESTIC APPLICATIONS, IN PARTICULAR THE AUTOMATIC DISTRIBUTION OF WATER FROM SMALL AND MEDIUM-SIZED SURGE TANKS, FOR WATERING GARDENS, ETC.

These pumps should be installed in a covered area, protected against weather.

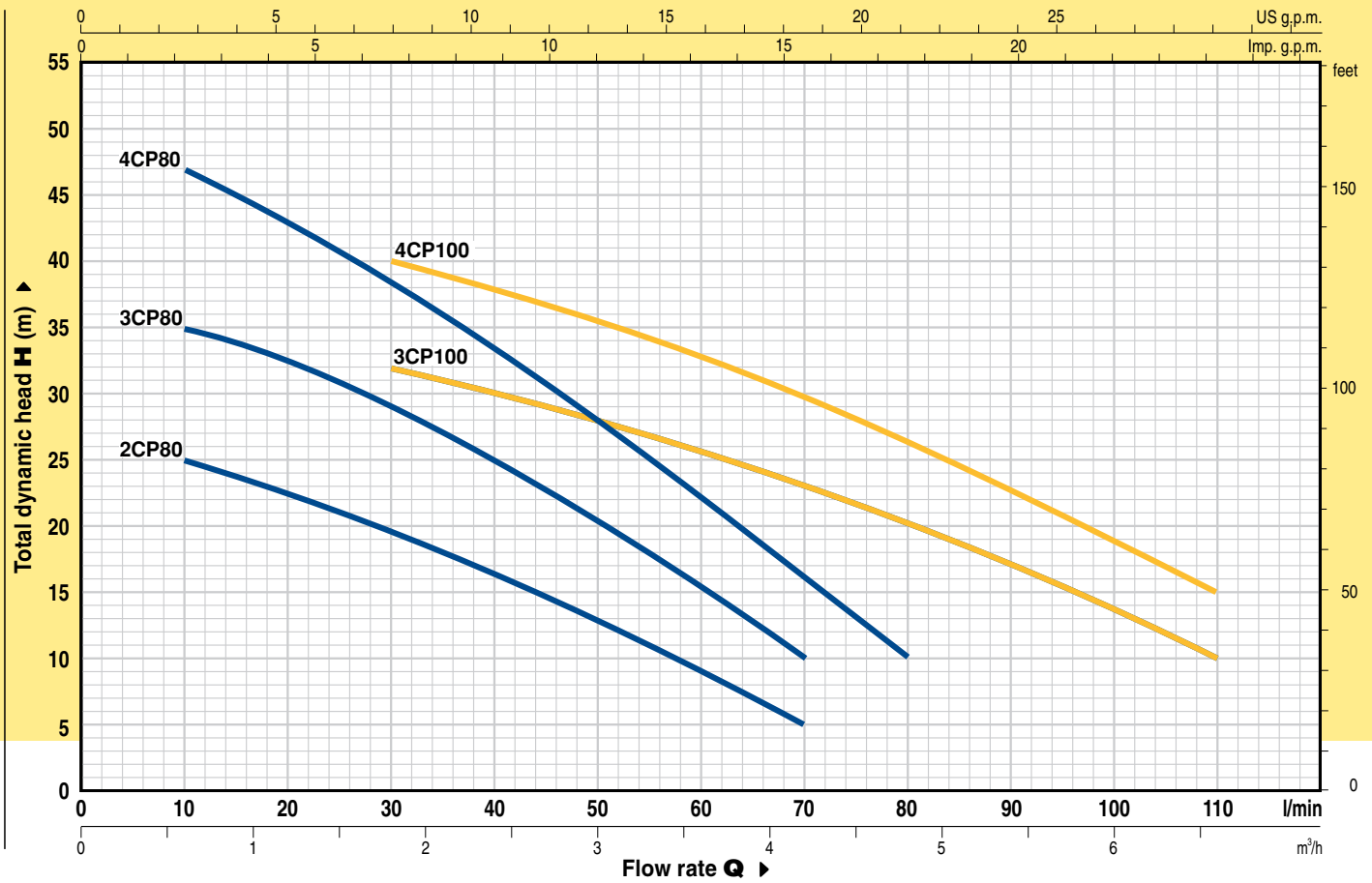
WARRANTY: 2 YEARS

(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **PUMP BODY:**
cast iron, with UNI ISO 228/1 gas threaded suction and delivery openings.
- **PUMP BODY COVER:**
AISI 304 stainless steel serving also as mechanical seal housing.
- **IMPELLERS:**
centrifugal radial flow type, made of "General Electric" Noryl® technopolymer (approved for drinking water).
- **MOTOR SHAFT:**
AISI 416 stainless steel (AISI 430F for 4CP100).
- **MECHANICAL SEAL:**
ceramic and graphite.
- **MOTOR:**
the pumps are coupled to an asynchronous, high efficiency PEDROLLO induction motor of suitable size, which is quiet, closed and externally ventilated, suitable for continuous duty. INSULATION class B.
The thermal cutout relay (motor protector) is incorporated in single phase motors.
Three phase motors require an adequate external motor protector, with connections according to current standards.
- **PROTECTION:**
IP 44.
- **REGISTERED MODEL n° VR9705.**

PERFORMANCE CHART AT n= 2900 1/min

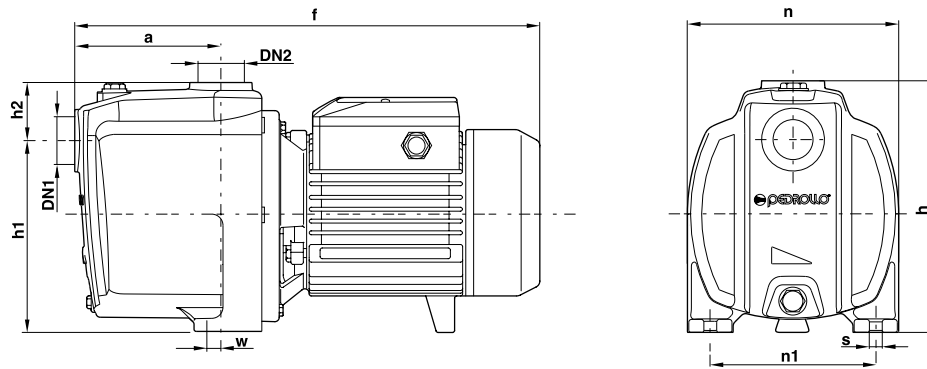


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q m³/h l/min	H (m)													
Single phase	Three phase	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
				0	5	10	15	20	25	30	40	50	60	70	80	90	100	110
2CPm 80	2CP 80	0.37	0.50	27	26	25	24	22.5	21	20	16.5	13	9	5				
3CPm 80	3CP 80	0.45	0.60	38	36	35	34	33.5	31	29	25	20	15.5	10				
4CPm 80	4CP 80	0.60	0.85	50	48	47	45	43	40.5	38.5	33.5	28	22.5	16	10			
3CPm 100	3CP 100	0.60	0.85	36	35.5	35	34	33.5	32.5	32	30	28	26	23	20	17	13.5	10
4CPm 100	4CP 100	0.75	1	46	45	44	43	42	41	40	38	35.5	33	30	26.5	22.5	19	15

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL		DN1	DN2	DIMENSIONS mm								
Single phase	Three phase			a	f	h	h1	h2	n	n1	w	s
2-3CPm 80	2-3CP 80	1"	1"	102	323	175	134	41	148	116	12	9
4CPm 80	—	1"	1"	127	331	175	134	41	148	116	12	9
—	4CP 80	1"	1"	127	323	175	134	41	148	116	12	9
3CPm 100	—	1"	1"	102	331	175	134	41	148	116	12	9
—	3CP 100	1"	1"	102	323	175	134	41	148	116	12	9
4CPm 100	4CP 100	1"	1"	127	370	190	134	41	148	116	12	9