

# 3-4CR

**multistage centrifugal pumps**  
(stainless steel pump body)

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



**3CRm 80**

## PERFORMANCE RANGE

Flow rate up to 110 l/min (6.6 m<sup>3</sup>/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, LIGHT, 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.

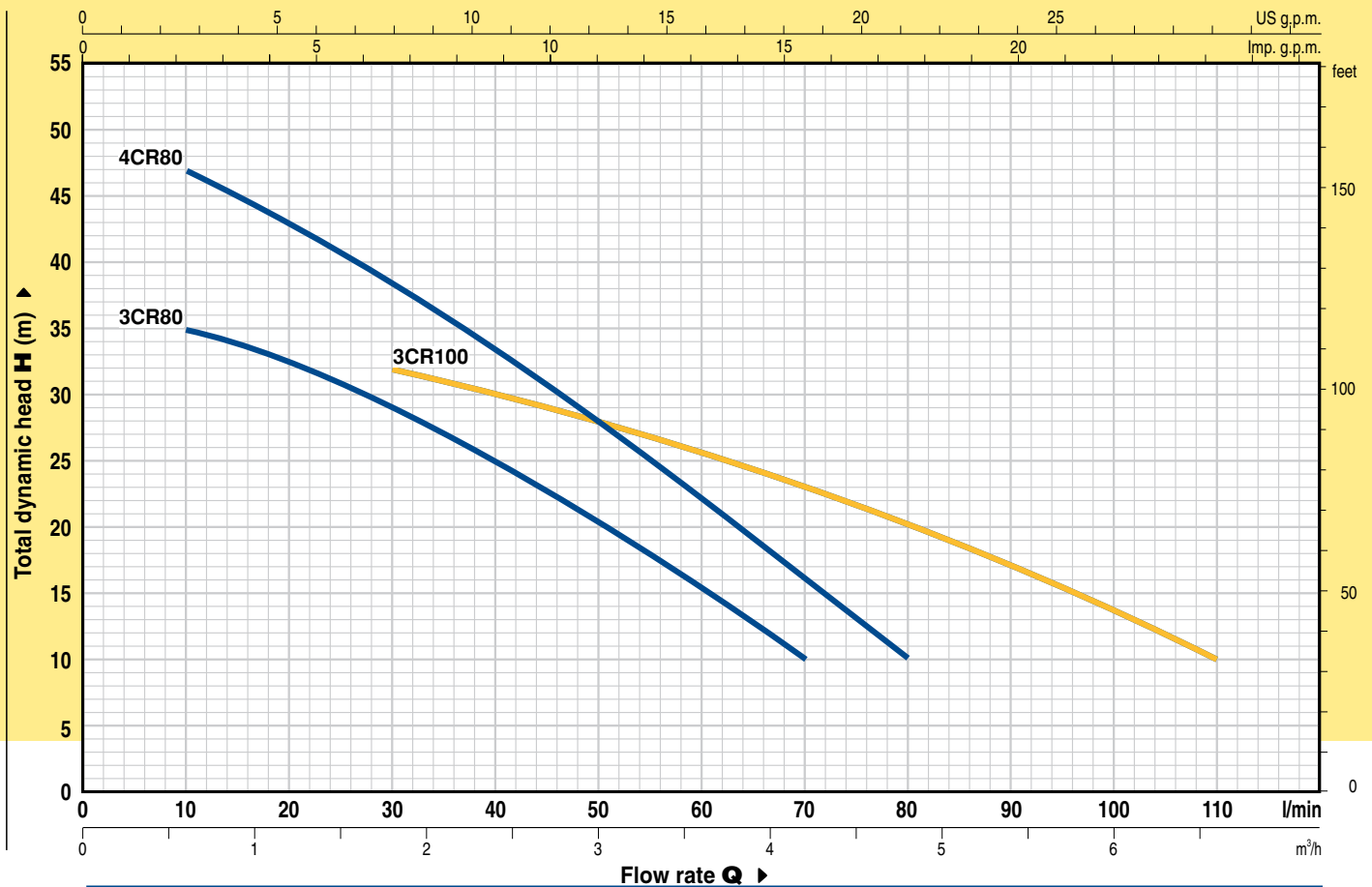
## WARRANTY: 2 YEARS

(according to our general sales conditions).

## STRUCTURAL CHARACTERISTICS

- **PUMP BODY:**  
AISI 304 stainless steel, 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.
- **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.

## PERFORMANCE CHART AT n= 2900 1/min

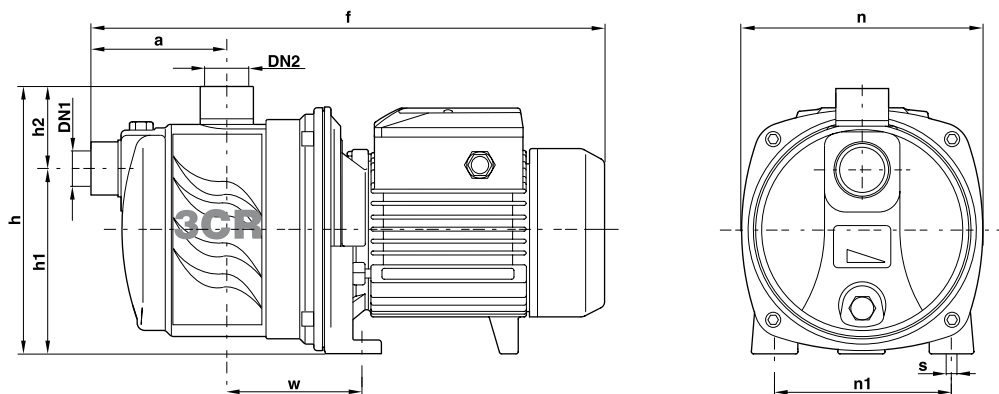


## PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q	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	6.6		
Single phase	Three phase	kW	HP	m³/h	0	5	10	15	20	25	30	40	50	60	70	80	90	100	110		
3CRm 80	3CR 80	0.45	0.60	H (m)	38	36	35	34	32.5	31	29	25	20	15.5	10						
4CRm 80	4CR 80	0.60	0.85		50	48	47	45	43	40.5	38.5	33.5	28	22.5	16	10					
3CRm 100	3CR 100	0.60	0.85		36	35.5	35	34	33.5	32.5	32	30	28	25.5	23	20	17	13.5	10		

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



## DIMENSIONS

PUMP MODEL		DIMENSIONS mm										
Single phase	Three phase	DN1	DN2	a	f	h	h1	h2	n	n1	w	s
3CRm 80	3CR 80	1"	1"	90	345	174	122	52	160	120	95	9
4CRm 80	—	1"	1"	90	353	174	122	52	160	120	95	9
—	4CR 80	1"	1"	90	345	174	122	52	160	120	95	9
3CRm 100	—	1"	1"	90	353	174	122	52	160	120	95	9
—	3CR 100	1"	1"	90	345	174	122	52	160	120	95	9