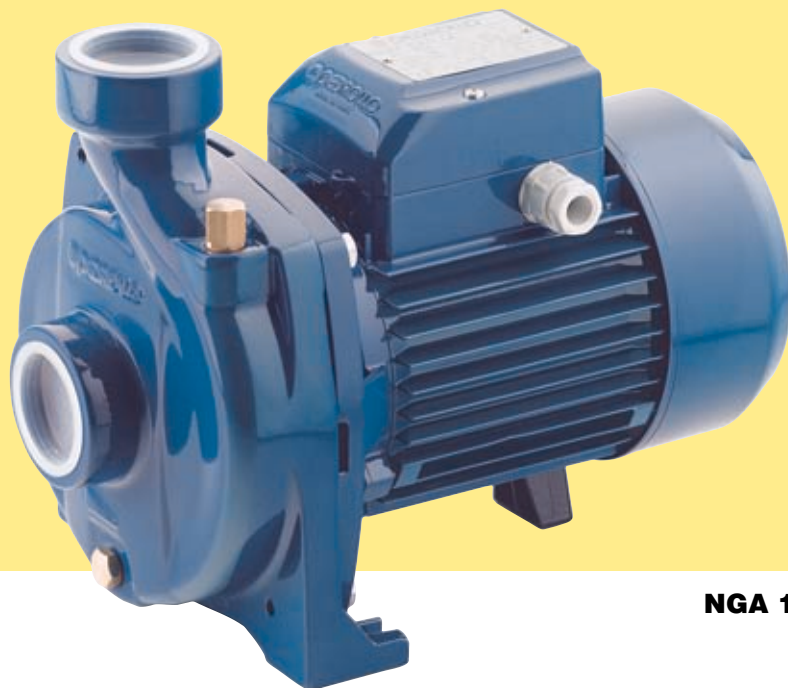


NGA

centrifugal pumps with open impeller

For handling water with impurities*



NGA 1

PERFORMANCE RANGE

Flow rate up to 350 l/min (21 m³/h)
Dynamic head up to 20 m

OPERATING LIMITS

Suction lift up to 7 m
Fluid temperature up to + 40°C
Maximum ambient temperature + 40°C
*Maximum passage for suspended solids Ø 10mm

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

NGA pumps are recommended for pumping water and fluids which are not chemically aggressive to the pump components. The open impeller design enables fairly large amounts of impurities to be pumped without danger of clogging.

NGA PUMPS ARE VERY DEPENDABLE, SIMPLE TO USE, AND VIRTUALLY MAINTENANCE-FREE. THEY SUIT A WIDE RANGE OF INDUSTRIAL APPLICATIONS, FOR WATERING GARDENS AND FOR TRANSFERRING WATER FROM CANALS, RIVERS, TANKS, TUBS, ETC. These pumps should be installed in a covered area, protected against weather.

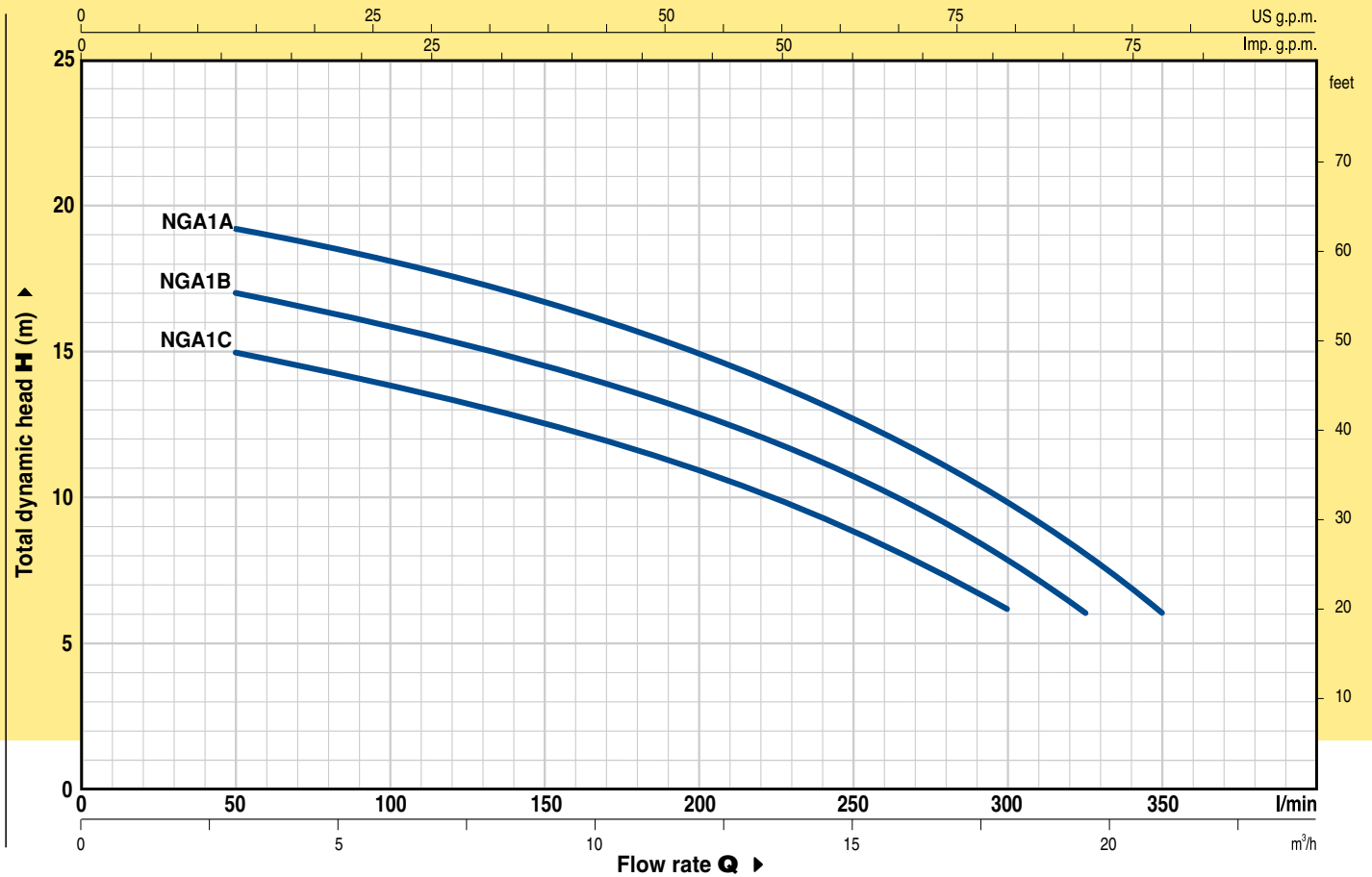
WARRANTY: 2 YEARS

(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.
- **IMPELLER:**
technopolymer Noryl®, open type.
- **MOTOR SHAFT:**
AISI 430F stainless steel.
- **MECHANICAL SEAL:**
ceramic, 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, and connections are to be according to current standards.
- **PROTECTION:** IP 44.

PERFORMANCE CHART AT n= 2900 1/min

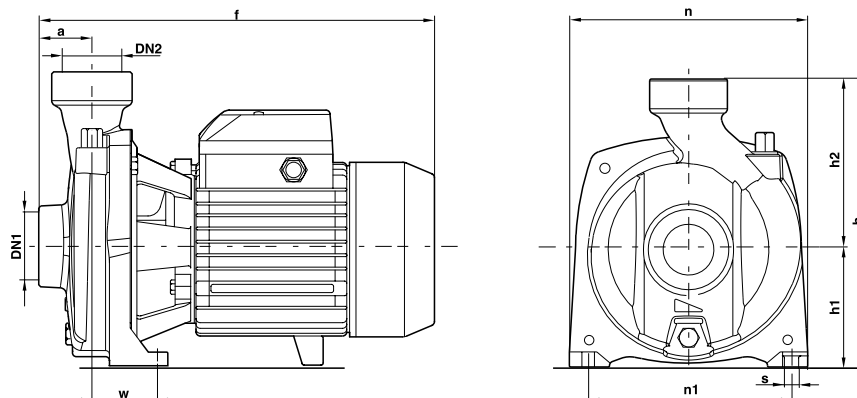


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q	0	3	6	9	12	15	18	19.5	21
Single phase	Three phase	kW	HP	m³/h	0	3	6	9	12	15	18	19.5	21
				l/min	0	50	100	150	200	250	300	325	350
NGAm 1C	NGA 1C	0.50	0.70	H (m)	16	15	14	12.5	11	8.5	6		
NGAm 1B	NGA 1B	0.60	0.85		18	17	16	14.5	13	10.5	8	6	
NGAm 1A	NGA 1A	0.75	1.00		20	19.5	18	16.5	15	12.5	10	8	6

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
NGAm 1C	NGA 1C	1 1/2"	1 1/2"	41	297	227	92	135	190	160	50	10
NGAm 1B	NGA 1B	1 1/2"	1 1/2"	41	297	227	92	135	190	160	50	10
NGAm 1A	NGA 1A	1 1/2"	1 1/2"	41	297	227	92	135	190	160	50	10