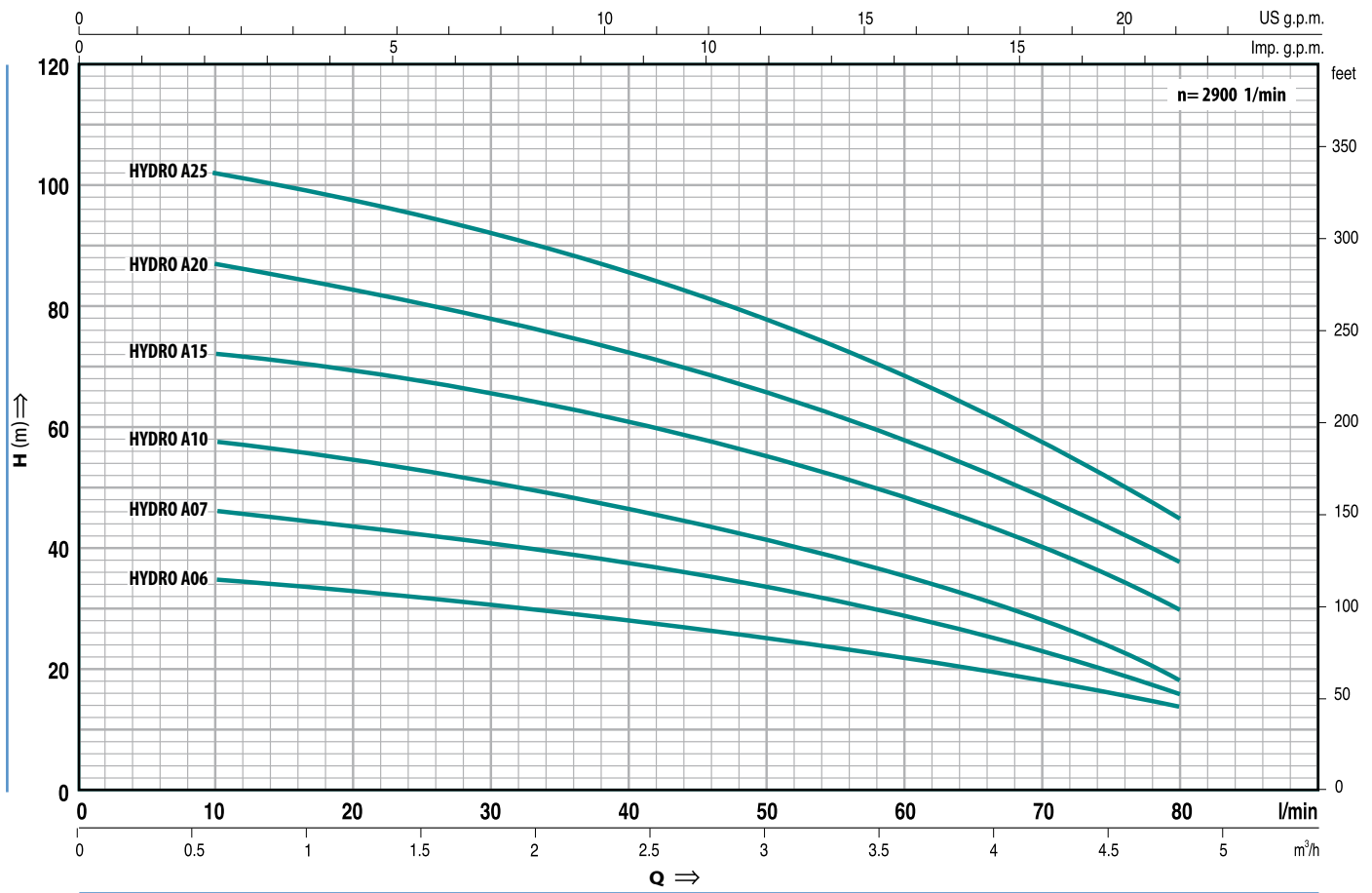


# HYDRO A

multi-stage submerged pumps



$Q$  = Flow rate  $H$  = Total manometric head

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

TYPE		POWER		m <sup>3</sup> /h l/min	0	0.6	1.2	1.8	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
Single-phase	Three-phase	kW	HP		0	10	20	30	40	45	50	55	60	65	70	75	80
HYDRO A 06M	---	0.45	0.6	H metres	36	35	33	31	28	26	25	23	22	20	18	16	14
HYDRO A 07M	---	0.55	0.75		48	46	44	41	37.5	35	34	31	29	26	23	19.5	16
HYDRO A 10M	HYDRO A 10	0.75	1		60	58	55	51	47	44	42	38	36	32	28	23	18
HYDRO A 15M	HYDRO A 15	1.1	1.5		75	72	70	66	61	58	55	52	48	44	40	35	30
HYDRO A 20M	HYDRO A 20	1.5	2		90	87	83	78	73	70	66	62	58	53	48	44	38
HYDRO A 25M	HYDRO A 25	1.8	2.5		105	102	98	92	85	82	78	73	68	63	57	50	45

## DIMENSIONS AND WEIGHT

TYPE		PORT DN	N° stages	DIMENSIONS mm					kg	
Single-phase	Three-phase			$\emptyset$	h	a	b	c	1~	3~
HYDRO A 06M	---	1"	3	135	384	81	200	66	11.9	-
HYDRO A 07M	---		4		458				-	
HYDRO A 10M	HYDRO A 10		5		482				15.8	
HYDRO A 15M	HYDRO A 15	1 1/4"	6	153	543	81	200	66	24.5	22.8
HYDRO A 20M	HYDRO A 20				573				23.8	
HYDRO A 25M	HYDRO A 25				648				27.1	



### RANGE OF PERFORMANCE

Flow rate up to 80 l/min (4.8 m<sup>3</sup>/h)

Head up to 105 m

### LIMITS OF USE

Liquid temperature up to +40°C

Maximum sand content 50 g/m<sup>3</sup>

Submersion depth up to 20 m

### INSTALLATION AND USE

THEIR HIGH EFFICIENCY AND RELIABILITY MAKE THEM SUITABLE FOR PUMPING CLEAN WATER IN DOMESTIC, CIVIL AND AGRICULTURAL APPLICATIONS, FOR DISTRIBUTING WATER IN COMBINATION WITH PRESSURE SETS, FOR IRRIGATING GARDENS, BOOSTING PRESSURE, ETC.

**GUARANTEE 2 YEARS** subject to our general terms of sale.

### CONSTRUCTION CHARACTERISTICS

- **OUTER CASE AND MOTOR SUPPORT:** stainless steel AISI 304
- **IMPELLERS AND DIFFUSERS:** technopolymer.
- **DIAPHRAGMS:** stainless steel AISI 304, complete with anti-wear rings.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.

### DOUBLE SEAL:

mechanical seal **silicon carbide-ceramic-NBR**, with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.

### SCREWS AND FILTER:

**stainless steel AISI 304.**

### MOTOR:

asynchronous for continuous duty.

**HYDRO A M:** single-phase 220÷240 V - 50 Hz with thermal overload protector built into windings below 1.5 kW. The 1.8 kW motor has an external overload protector (with manual reset) incorporated into the control box.

**HYDRO A:** three-phase 380÷415 V - 50 Hz.

### INSULATION:

class F.

### PROTECTION:

IP 68.

### STANDARD FEATURES:

**HYDRO A M** (single-phase)

- control box with capacitor
- 20 m power cable type "H07 RN-F" with removable connector and Schuko plug.

**HYDRO A:** (three-phase)

- 20 m power cable type "H07 RN-F" with removable connector.

### OPTIONS ON REQUEST

⇒ **economy version** 10 m power cable and capacitor, (without control box)

⇒ single-phase pumps with external float switch (HYDRO A M...+ float)

⇒ other voltages or frequency 60 Hz



### CONSTRUCTION AND SAFETY STANDARDS

EN 60 335-1

EN 60034-1

IEC 335-1

IEC 34-1

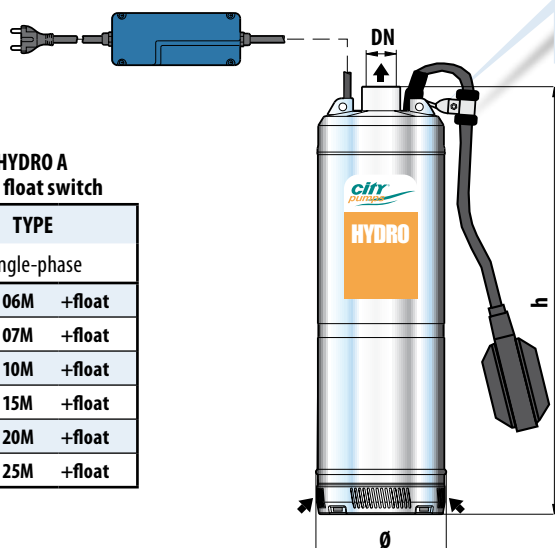
CEI 61-150

CEI 2-3



## DIMENSIONS

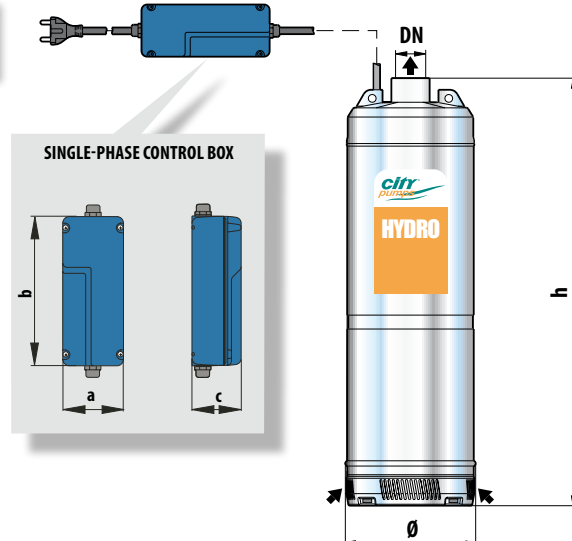
### Single-phase with float switch



HYDRO A  
with float switch

TYPE	
Single-phase	
HYDRO A 06M	+float
HYDRO A 07M	+float
HYDRO A 10M	+float
HYDRO A 15M	+float
HYDRO A 20M	+float
HYDRO A 25M	+float

### Single-phase with control box



SINGLE-PHASE CONTROL BOX