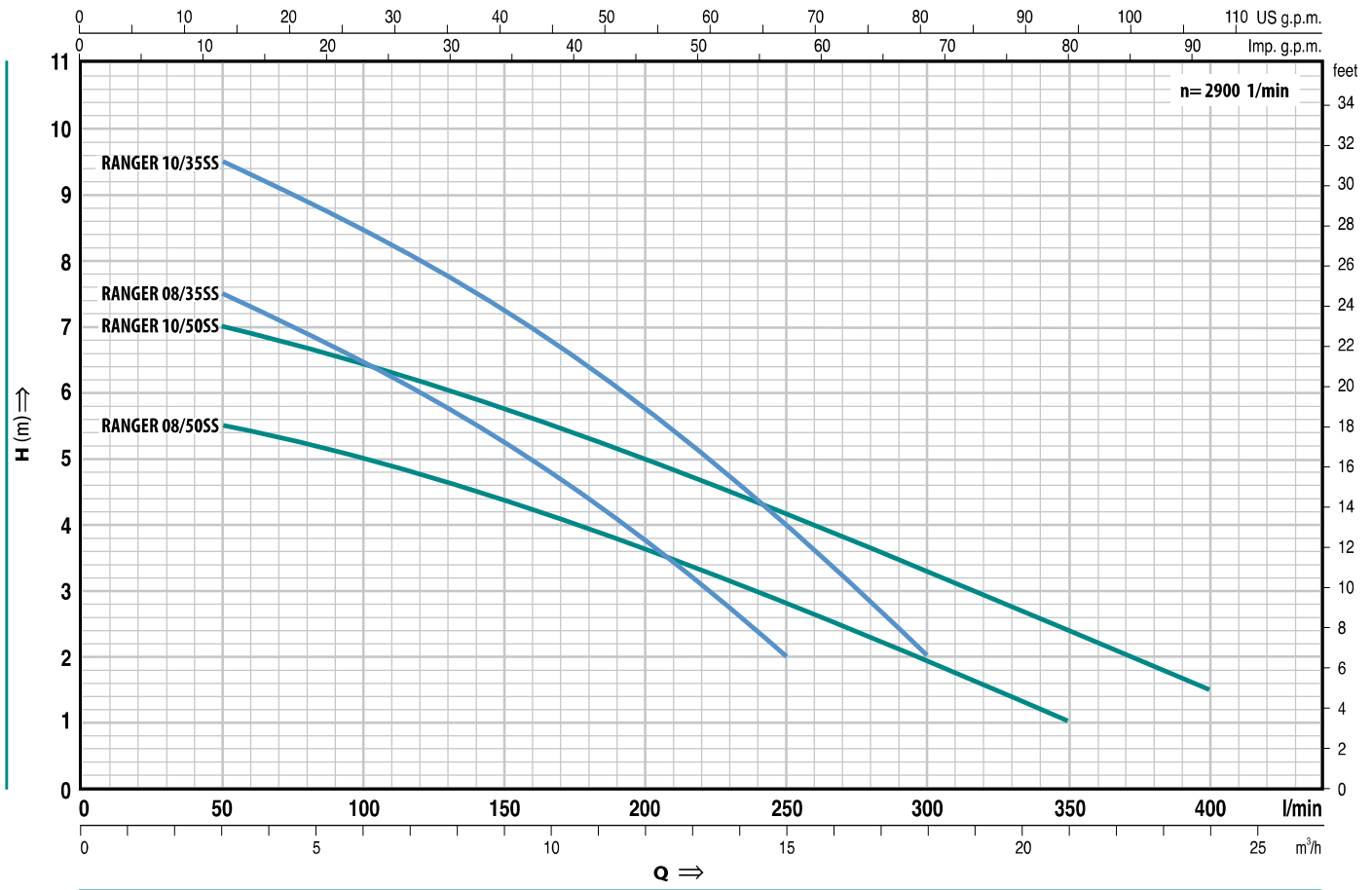




RANGER SS

VORTEX submersible pumps



Q = Flow rate H = Total manometric head

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

TYPE		POWER		m³/h l/min	0	3	6	9	12	15	18	21	24
Single-phase	Three-phase	kW	HP		0	50	100	150	200	250	300	350	400
RANGER 8/35M SS	---	0.60	0.85	H metres	8.4	7.5	6.5	5.2	3.7	2			
RANGER 10/35M SS	RANGER 10/35SS	0.75	1		10	9.5	8.5	7.2	5.8	4	2		
RANGER 8/50M SS	---	0.60	0.85		6	5.5	5	4.4	3.6	2.8	2	1	
RANGER 10/50M SS	RANGER 10/50SS	0.75	1		7.5	7	6.5	5.8	5	4	3.2	2.4	1.5

DIMENSIONS AND WEIGHTS

TYPE		PORT DN	passage of solid bodies	DIMENSIONS mm								kg	
Single-phase	Three-phase			a	b	h	h1	d	e	p	∅	1~	3~
RANGER 8/35M SS	---	1 1/2"	∅ 35 mm	108	166	380	87	40	adjustable	500	500	9.7	-
RANGER 10/35M SS	RANGER 10/35SS					410	108	55				9.6	9.3
RANGER 8/50M SS	---	2"	∅ 50 mm	118	166	410	108	55	adjustable	500	500	12.8	-
RANGER 10/50M SS	RANGER 10/50SS					410	108	55				10.7	9.7





RANGE OF PERFORMANCE

Flow rate up to 400 l/min (24 m³/h)

Head up to 10 m

LIMITS OF USE

Depth up to 5 m

Liquid temperature up to + 40°C

Passage of suspended solid bodies up to Ø 50 mm

For continuous duty: minimum immersion 280 mm from pump base.

INSTALLATION AND USE

THEY ARE RECOMMENDED FOR DRAINING WASTE WATER IN THE DOMESTIC, CIVIL AND INDUSTRIAL SECTORS, IN APPLICATIONS WHERE THE WATER CONTAINS SUSPENDED SOLIDS WITH DIMENSIONS UP TO Ø 50 mm. THEIR USE IS RECOMMENDED FOR DRYING FLOODED AREAS SUCH AS CELLARS, UNDERGROUND CAR PARKS, CAR WASHING AREAS AND FOR EMPTYING CESSPITS OR SEWAGE DISPOSAL.

THESE PUMPS ARE OUTSTANDING IN THEIR RELIABILITY IN FIXED INSTALLATIONS WITH AUTOMATIC OPERATION.

GUARANTEE 2 YEARS subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

- **DELIVERY BODY:** stainless steel AISI 304, with threaded port ISO 228/1.
- **MOTOR CASING AND BASE:** stainless steel AISI 304.
- **IMPELLER:** stainless steel AISI 304.
- **MOTOR SHAFT:** stainless steel AISI 316.
- **DOUBLE SEAL:** mechanical seal silicon carbide - ceramic - NBR - stainless steel AISI 316, with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.
- **MOTOR:** submersible asynchronous for continuous duty.

RANGER M SS: single-phase 220÷240 V - 50 Hz with capacitor and thermal overload protector.

RANGER SS: three-phase 380÷415 V - 50 Hz.

• **INSULATION:** class F.

• **PROTECTION:** IP 68.

STANDARD FEATURES:

RANGER M SS (single-phase)

- Flow switch.
- Neoprene power cable "H07 RN-F" length **5 metres** with Schuko plug.

RANGER SS (three-phase)

- Neoprene power cable "H07 RN-F" length **5 metres**.



OPTIONS ON REQUEST

- ⇒ 10 metres power cable. N.B. required for outdoor use to comply with standard EN 60335-2-41
- ⇒ single-phase pumps without float switch
- ⇒ other voltages or frequency 60 Hz

CONSTRUCTION AND SAFETY STANDARDS

EN 60 335-1

EN 60034-1

IEC 335-1

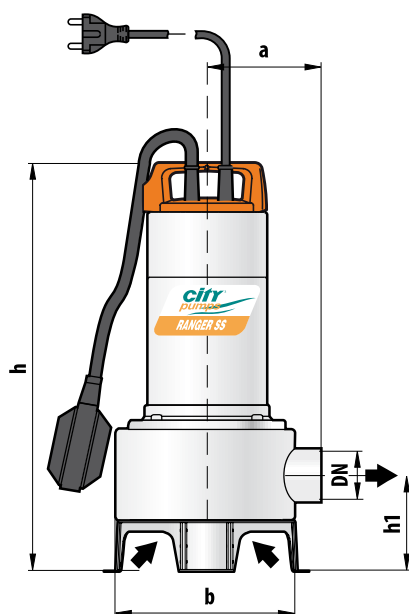
IEC 34-1

CEI 61-150

CEI 2-3



DIMENSIONS



Typical single-phase installation

