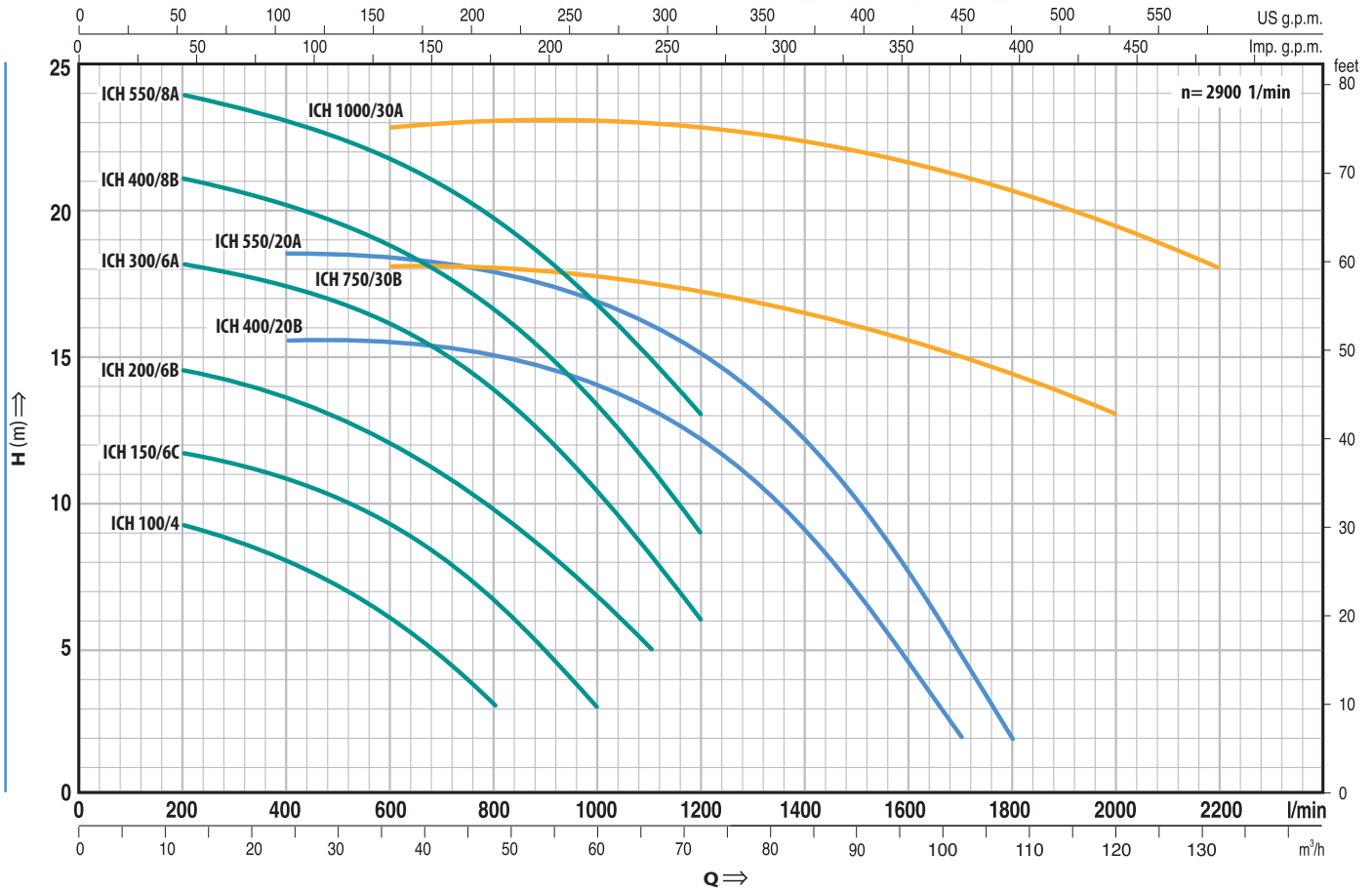




ICH

centrifugal pumps - high flow rates



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	H metres																	
Single-phase	Three-phase	kW	HP		0	12	18	24	30	36	42	48	54	60	66	72	84	96	102	108	120	132
ICH100/4M	ICH100/4	0.75	1	0	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1700	1800	2000	2200	
ICH150/6CM	ICH150/6C	1.1	1.5	10	9.3	8.7	8	7	6	4.7	3											
ICH200/6BM	ICH200/6B	1.5	2	11.9	11.7	11.3	10.7	10.2	9.2	8	6.7	5	3									
---	ICH300/6A	2.2	3	14.7	14.5	14	13.5	12.8	12	11	9.7	8.2	6.7	5								
ICH150/6CRM	ICH150/6CR	1.1	1.5	18.5	18.1	17.8	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6							
ICH200/6BRM	ICH200/6BR	1.5	2	11.9	11.7	11.3	10.7	10.2	9.2	8	6.7	5	3									
---	ICH300/6AR	2.2	3	14.7	14.5	14	13.5	12.8	12	11	9.7	8.2	6.7	5								
ICH400/8BM	ICH400/8B	3	4	18.5	18.1	17.8	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6							
---	ICH550/8A	4	5.5	21.5	21	20.7	20	19.5	18.8	17.8	16.5	15	13.5	11.2	9							
ICH400/20BM	ICH400/20B	3	4	24.5	24	23.5	23	22.5	21.8	20.8	19.5	18.3	16.8	15	13							
---	ICH550/20A	4	5.5	16	-	-	15.5	15.4	15.3	15.2	15	14.5	14	13	12	9	4.8	2				
---	ICH750/30B	5.5	7.5	19	-	-	18.5	18.4	18.3	18.2	18	17.5	17	16.2	15.2	12	7.8	5	2			
---	ICH1000/30A	7.5	10	18	-	-	-	-	18	18	18	18	18	17.5	17	16.5	15.5	15	14.5	13		
---				23	-	-	-	-	23	23	23	23	23	23	22.5	22.5	22.5	22	21.5	21	19.5	18

DIMENSIONS AND WEIGHTS

TYPE		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	w	s	1~	3~	
ICH100/4M	ICH100/4	2 1/2"	2 1/2"	55	323	240	97	143	190	155	0	10	15.6	14.2	
ICH150/6CM	ICH150/6C	3"	3"	68	411	312	120	192	240	190	6	12	28.1	26.2	
ICH200/6BM	ICH200/6B												29.1	28.5	
---	ICH300/6A	4"	4"	70	413	312	132	180	245	190	30	14	-	29.4	
ICH150/6CRM	ICH150/6CR												29.7	29.2	
ICH200/6BRM	ICH200/6BR												32.0	31.4	
---	ICH300/6AR												-	32.3	
ICH400/8BM	ICH400/8B	4"	4"	80	429	312	132	180	245	190	30	14	41.0	36.1	
---	ICH550/8A												-	41.0	
ICH400/20BM	ICH400/20B												40.5	35.3	
---	ICH550/20A												-	40.5	
---	ICH750/30B	4"	4"	82	585	370	160	210	292	212	30	14	-	60.9	
---	ICH1000/30A												-	65.2	



RANGE OF PERFORMANCE

Flow rate up to 1800 l/min (108 m³/h)

Head up to 24.5 m

LIMITS OF USE

Manometric suction lift up to 7 m

Liquid temperature up to + 90°C

Environment temperature up to + 40°C



INSTALLATION AND USE

THE ICH SERIES IS RECOMMENDED FOR USE IN THE CIVIL, AGRICULTURAL AND INDUSTRIAL FIELD. THE HIGH FLOW RATES AND CONTINUOUS RATING MAKE IT IDEAL FOR IRRIGATION WITH FLOWING AND SPRINKLING WATER, FOR DRAWING WATER FROM LAKES, RIVERS, WELLS, OR FOR INDUSTRIAL APPLICATIONS THAT NEED TO ACHIEVE LARGE FLOW RATES AT MEDIUM-LOW HEADS.

The pumps must be installed in enclosed places, or at least protected against inclement weather.

GUARANTEE 2 YEARS subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded ports ISO 228/1.
- **IMPELLER:** brass (cast iron for ICH/30), of the type with centrifugal radial flow.

• MOTOR SHAFT:

stainless steel EN 10088-3 - 1.4104.

• MECHANICAL SEAL:

ceramic - graphite - NBR.

- **ELECTRIC MOTOR:** the pumps are close-coupled to a carefully matched electric motor, quiet running, totally enclosed fan cooled, suitable for continuous duty.

ICH M: single-phase 230 V - 50 Hz with capacitor and thermal overload protector.

ICH: three-phase 230/400 V - 50 Hz.

- **INSULATION:** class F.

- **PROTECTION:** IP 44.

OPTIONS ON REQUEST

⇒ special mechanical seal

⇒ other voltages or frequency 60 Hz

CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1

IEC 34-1

CEI 2-3



DIMENSIONS

