

- Clean water
- Domestic use
- Civil use
- Agricultural use



PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m³/h)
- Head up to **95 m**

APPLICATION LIMITS

- Maximum liquid temperature **+40 °C**
- Maximum sand content **150 g/m³**
- **20 m** maximum immersion depth (with a sufficiently long power cable)
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

- Float switch for single-phase versions

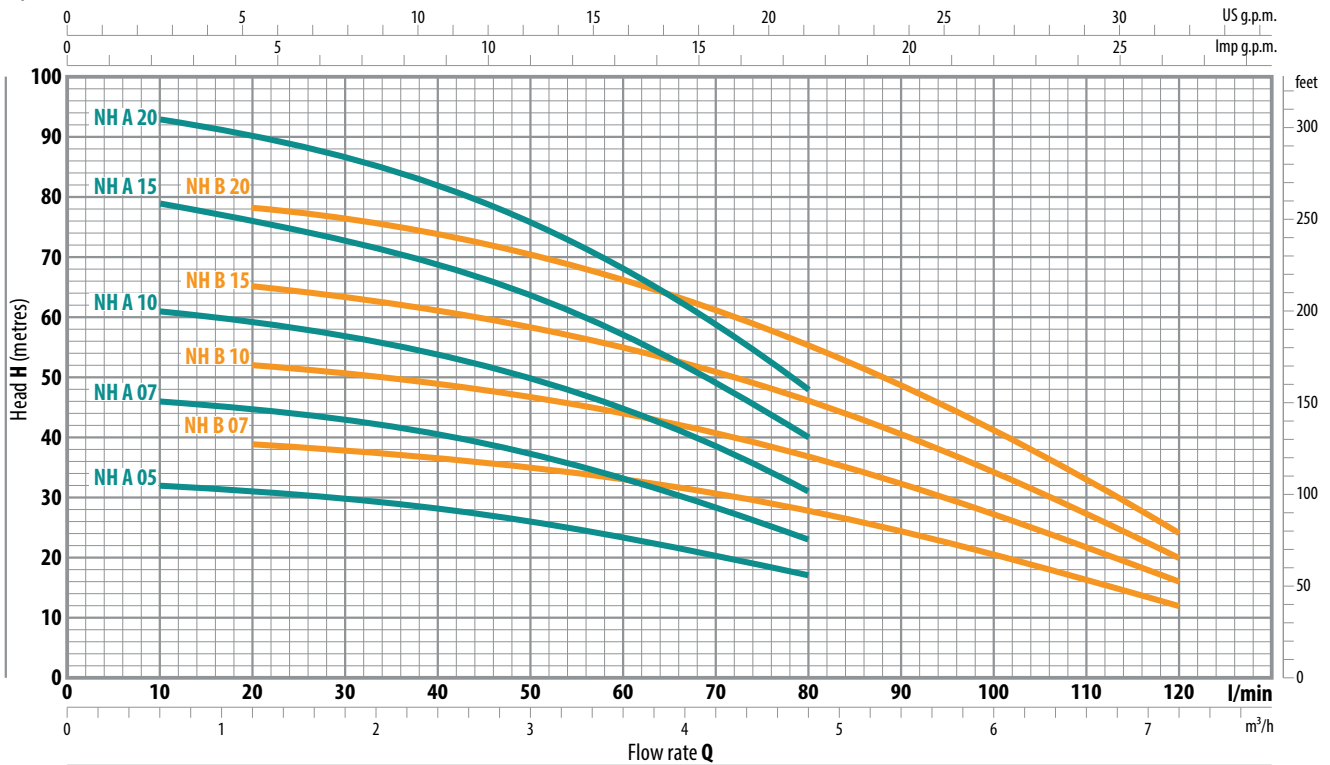
EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3



CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz | n = 2900 min⁻¹



MODEL		POWER (P ₂)		Q	Flow rate Q												
Single-phase	Three-phase	kW	HP		0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	6.0	6.6	7.2	
				H metres	0	10	20	30	40	50	60	70	80	100	110	120	
NH A 05M + float	NH A 05	0.37	0.5		H metres	33	32	31	29.5	28	26	23.5	20.5	17			
NH A 07M + float	NH A 07	0.55	0.75	48		46	44.5	42.8	40.5	37.5	33.5	29	23				
NH A 10M + float	NH A 10	0.75	1	63		61	59	57	54	50	45	39	31				
NH A 15M + float	NH A 15	1.1	1.5	81		79	75.5	73	68.5	63.5	57.5	49.5	40				
NH A 20M + float	NH A 20	1.5	2	95		93	90	87	82	76	68.5	59.5	48				
NH B 07M + float	NH B 07	0.55	0.75	40		-	39	38	37	35	33	30.5	28	20.5	16.5	12	
NH B 10M + float	NH B 10	0.75	1	53		-	52	50.5	49	46.5	44	40.5	37	27.5	22	16	
NH B 15M + float	NH B 15	1.1	1.5	67		-	65	63.5	61.5	58	55	50.5	46.5	34	27.5	20	
NH B 20M + float	NH B 20	1.5	2	80		-	78	76	74	70	66	61	56	41	33	24	

Q = Flow rate
H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.
→ Single-phase pumps without float switch on request

INSTALLATION AND USE

Because of their high efficiency and reliability they are suitable for use with clean water in domestic, civil and agricultural applications such as the distribution of water in combination with pressure tanks, for the irrigation of gardens and orchards and for pressure boosting, etc.

OPTIONS AVAILABLE ON REQUEST

Pumps without float switch.

CONSTRUCTION CHARACTERISTICS

EXTERNAL SLEEVE	Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1
MOTOR SLEEVE	Stainless steel AISI 304
IMPELLERS AND DIFFUSERS	Noryl FE1520PW
MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104
TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER	Motor side: Ceramic - Graphite - NBR Pump side: Silicon carbide - Graphite - NBR
POWER CABLE	DRINCABLE® type 20 m long power cable

DIMENSIONS AND WEIGHT

MODEL		PORT DN	N. STAGES	DIMENSIONS mm		kg	
Single-phase	Three-phase			∅	h	1~	3~
NH A 05M + float	NH A 05	1 1/4"	2	135	459	14.0	13.8
NH A 07M + float	NH A 07		3		486	14.5	14.3
NH A 10M + float	NH A 10		4		543	16.1	15.3
NH A 15M + float	NH A 15		5		570	17.5	16.7
NH A 20M + float	NH A 20		6		617	19.8	18.8
NH B 07M + float	NH B 07		3		486	14.5	14.3
NH B 10M + float	NH B 10		4		543	16.1	15.3
NH B 15M + float	NH B 15		5		570	17.5	16.7
NH B 20M + float	NH B 20		6		617	19.8	18.8



ABSORPTION

MODEL	VOLTAGE		
	230 V	240 V	110 V
Single-phase			
NH A 05M + float	4.4 A	4.3 A	8.8 A
NH A 07M + float	5.4 A	5.2 A	10.8 A
NH A 10M + float	6.2 A	6.0 A	12.4 A
NH A 15M + float	7.6 A	7.3 A	15.2 A
NH A 20M + float	8.8 A	8.5 A	17.6 A
NH B 07M + float	5.0 A	4.8 A	10.0 A
NH B 10M + float	6.2 A	6.0 A	12.4 A
NH B 15M + float	7.2 A	6.9 A	14.4 A
NH B 20M + float	8.7 A	8.4 A	17.4 A

MODEL	VOLTAGE			
	230 V	400 V	240 V	415 V
Three-phase				
NH A 05	2.8 A	1.6 A	2.7 A	1.5 A
NH A 07	3.3 A	1.9 A	3.2 A	1.8 A
NH A 10	4.0 A	2.3 A	3.9 A	2.2 A
NH A 15	5.0 A	2.9 A	4.9 A	2.8 A
NH A 20	5.7 A	3.3 A	5.5 A	3.2 A
NH B 07	3.2 A	1.8 A	3.1 A	1.7 A
NH B 10	3.8 A	2.2 A	3.7 A	2.1 A
NH B 15	4.9 A	2.8 A	4.7 A	2.7 A
NH B 20	5.6 A	3.2 A	5.4 A	3.1 A

PALLETIZATION

MODEL		GROUPAGE n. pumps	CONTAINER n. pumps
Single-phase	Three-phase		
NH A 05M + float	NH A 05	30	54
NH A 07M + float	NH A 07	30	54
NH A 10M + float	NH A 10	30	54
NH A 15M + float	NH A 15	25	45
NH A 20M + float	NH A 20	25	45
NH B 07M + float	NH B 07	30	54
NH B 10M + float	NH B 10	30	54
NH B 15M + float	NH B 15	25	45
NH B 20M + float	NH B 20	25	45