

NOCCHI A2LD - A4LD TWIN "IN LINE" MONOBLOC PUMPS

Single impeller centrifugal pump coupled via housing to asynchronous motor in closed construction with external ventilation. Mechanical type gasket on shaft.

Twin design.

The catalog operating and data plate specifications refer to continuous duty and clean water.

(spec. weight = 1000 Kg / m³) with maximum manometric suction height 2 m.w.c.

MOTOR - THREE PHASE ASYNCHRONOUS

- Protection rating: IP 55.
- Standard voltage:
50Hz : V 220 / 400 (+ - 10%).
- Insulation class F.
- Version A2LD: 2-pole.
- Version A4LD: 4-pole.

APPLICATION DATA

- Maximum operating pressure:
10 bar.
- Maximum conveyed liquid temperature: + 130 °C.
- Minimum conveyed liquid temperature: - 10 °C.
- Maximum ambient temperature:
+ 40 °C (request checks for higher values).
- Maximum viscosity of conveyed liquid: 5 °C
Central heating and air conditioning systems.

TABLE OF MATERIALS

COMPONENT	MATERIAL
Mechanical gasket	Silicon carbide/Silicon carbide O-Ring EPDM
Pump body	Cast iron EN-GJL 200 (ex G20)
Impeller	Cast iron EN-GJL 200 (ex G20)
Shaft	Stainless steel AISI 420
Shield, housing, cover	Cast iron EN-GJL 200 (ex G20)

APPLICATIONS

- Collection of water from lakes, rivers, wells.
- Gravity and sprinkler irrigation systems.
- Water supply systems for communities, homes, etc.
- Autoclaves
- Industrial facilities.
- Hygiene facility water distribution.

TOLERANCES

- Pump: ISO 2548 class C ann. B
- Motor: to standards C.E.I.

ON REQUEST

- Version with brass impeller.
- Version with condensate drain holes to ensure reliable pump operation in systems with cold water.

UNIT INSTALLATION

The suction and delivery ports are diametrically opposed. They can be installed horizontally or vertically in line with the pipes. Never install the pump with motor directed downwards. Counterflanges optional.

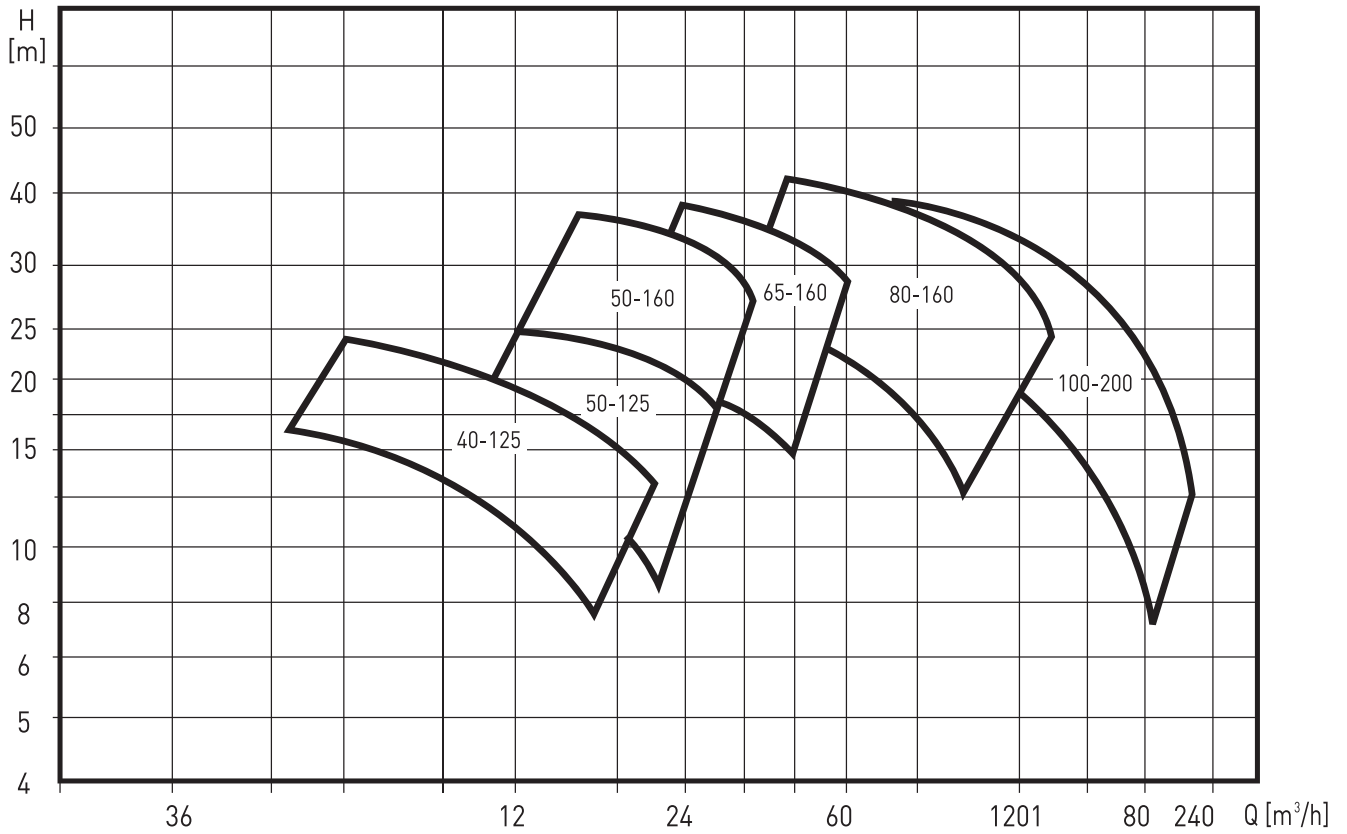


The twin version has an incorporated check valve in the delivery port to prevent the circulation of water in the unit when set to standby, and is supplied as standard with a blank flange to enable maintenance or one of the two motors.

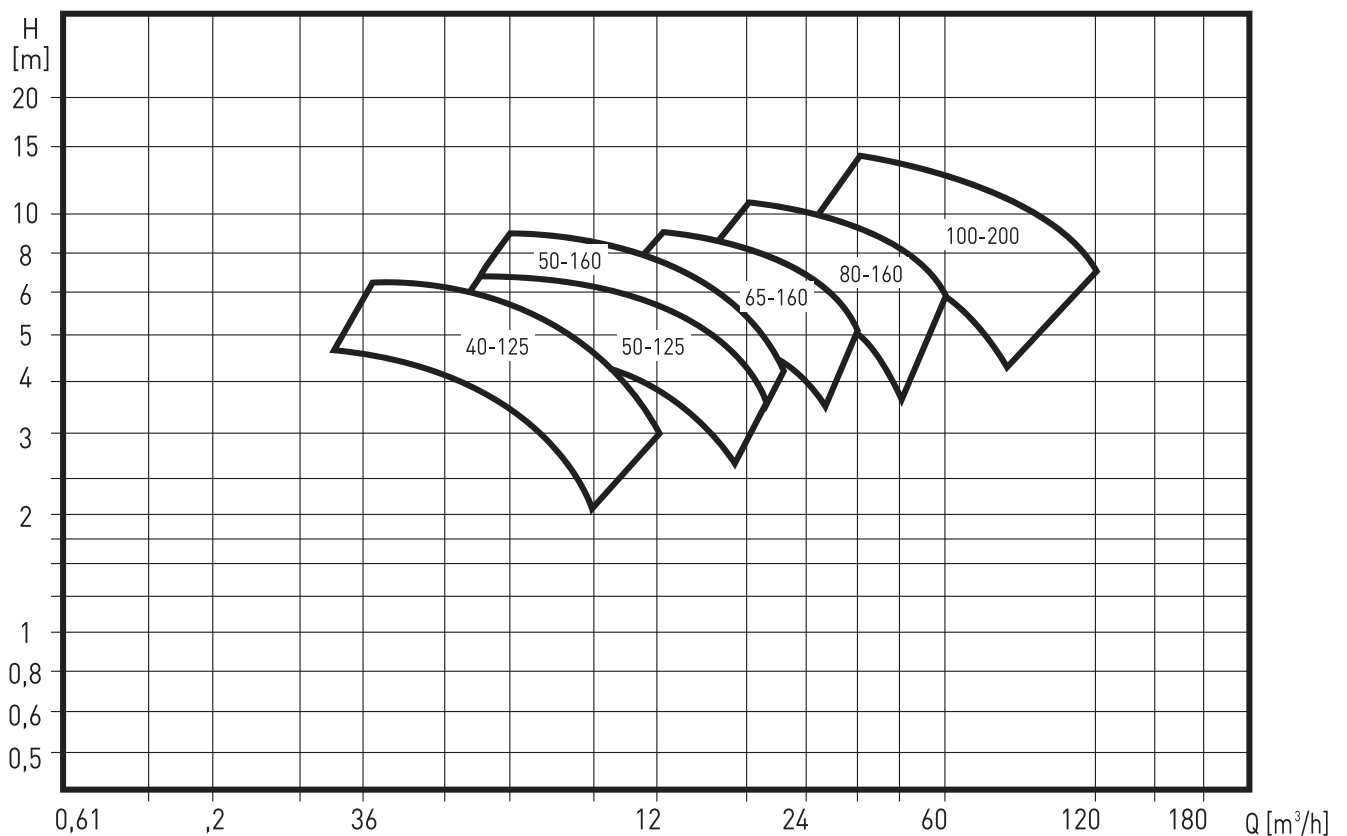
NOCCHI A2LD - A4LD

TWIN "IN LINE" MONOBLOC PUMPS

PERFORMANCE RANGE - A2LD TWIN DESIGN 2-POLE



PERFORMANCE RANGE - A4LD TWIN DESIGN 4-POLE



NOCCHI A2LD - A4LD 40

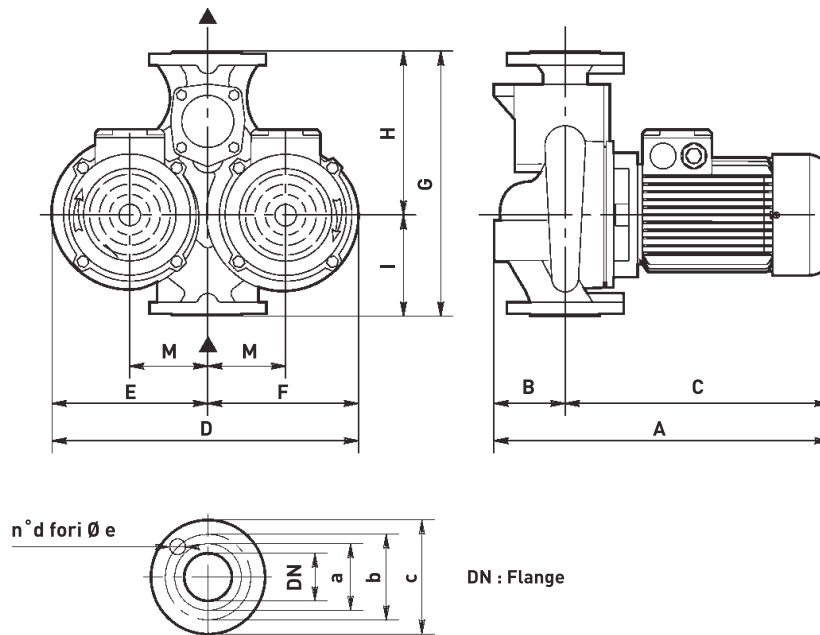
TWIN "IN LINE" MONOBLOC PUMPS

PERFORMANCE TABLE

CODE	MODEL	Motor output kW	Amp.		n (min ⁻¹)	Q	L/ min m ³ /h	40	50	75	100	125	150	175	200	225	250	300	350
			3x400 V	3x230 V				2.4	3	4.5	6	7.5	9	10.5	12	135	15	18	21
N8020800	A4LD 40 - 125 Y	0.25	0.85	1.46	4-pole	Manometric height m.c.a. / m.w.c.	4.6	4.5	4.1	3.6	3.0	2.2							
N8020810	A4LD 40 - 125 X	0.25	0.85	1.46	4-pole			6.2	6.0	5.8	5.2	4.5	3.9	3.0					
N8020580	A2LD 40 - 125 C	0.75	1.9	3.3	2-pole					16.5	15.5	14.5	13.5	12.3	11	9.5	6		
N8020590	A2LD 40 - 125 B	1.0	2.4	4.4	2-pole					20.5	20	19	18	17	16	15	11.5	7.5	
N8020600	A2LD 40 - 125 A	1.5	3.6	6.2	2-pole					24.5	24	23.5	23	22	21	20	16.5	13	

COUNTERFLANGES OPTIONAL

*Performance data refer to a single head in operation



OVERALL DIMENSIONS AND WEIGHTS

MODEL	MOTOR	DN _a DN _m	Flange mm.					Dimensions (mm)											Weight (kg)
			A	B	C	D	E	A	B	C	D	E	F	G	H	I	L		
A4L 40 - 160 X	71	40 PN10	88	110	150	4	18	425	100	325	397	200	197	340	130	210	100	41	
A4L 40 - 200 X	71	40 PN10	88	110	150	4	18	445	100	325	397	200	197	340	130	210	100	41	
A4L 40 - 200 Y	80	40 PN10	88	110	150	4	18	445	100	345	397	200	197	340	130	210	100	54	
A2L 40 - 125 A	80	40 PN10	88	110	150	4	18	445	100	345	397	200	197	340	130	210	100	52	
A2L 40 - 125 B	71	40 PN10	88	110	150	4	18	445	100	325	397	200	197	340	130	210	100	50	

NOCCHI A2LD - A4LD 50

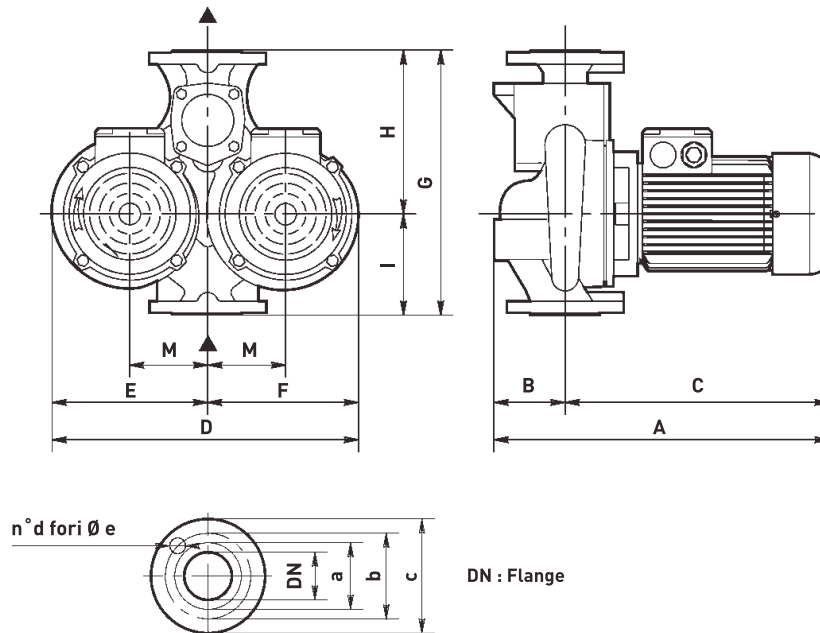
"IN LINE" MONOBLOC PUMP

PERFORMANCE TABLE

CODE	MODEL	Motor output kW	Amp.		n [min ⁻¹]	Q	L/ min m ³ /h	100	125	150	175	200	225	250	300	350	400	450	500	600	
			6	7.5				9	10.5	12	13.5	15	18	21	24	27	30	36			
N8020820	A4LD 50 - 125 X	0.37	1.15	2	4-pole	Manometric height m.c.a. / m.w.c.	6.3	6.2	6.1	6.0	5.8	5.5	5.2	4.6	3.0						
N8020830	A4LD 50 - 160 X	0.5	1.6	2.8	4-pole		8.8	8.6	8.3	8.0	7.7	7.3	6.9	5.9	4.5						
N8020610	A2LD 50 - 125 C	1.5	3.6	6.2	2-pole								15.5	15	14.1	13	11.8	10.5	7		
N8020620	A2LD 50 - 125 B	2.0	4.4	7.7	2-pole								19	18.5	17.5	16.5	15.5	14.5	10.5		
N8020630	A2LD 50 - 125 A	3.0	6.4	11	2-pole								24.5	24	23.5	23	22	20.5	17		
N8020640	A2LD 50 - 160 B	3.0	6.4	11	2-pole								30	29	28	26.5	25	23	18		
N8020650	A2LD 50 - 160 A	4.0	8.8	15.2	2-pole								36.5	35.5	34.5	33.5	32.5	31	27		

COUNTERFLANGES OPTIONAL

*Performance data refer to a single head in operation



OVERALL DIMENSIONS AND WEIGHTS

MODEL	MOTOR	DN _a DN _m	Flange mm.					Dimensions (mm)										Weight (kg)
			A	B	C	D	E	A	B	C	D	E	F	G	H	I	L	
A4LD 50 - 125 X	71	50 PN10	102	125	165	4	18	435	110	325	427	217	210	365	145	220	105	46
A4LD 50 - 160 X	71	50 PN10	102	125	165	4	18	435	110	325	480	245	235	410	170	240	120	52
A2LD 50 - 125 A	90	50 PN10	102	125	165	4	18	495	110	385	427	217	210	365	145	220	105	66
A2LD 50 - 125 B	80	50 PN10	102	125	165	4	18	455	110	345	427	217	210	365	145	220	105	58
A2LD 50 - 125 C	80	50 PN10	102	125	165	4	18	455	110	345	427	217	210	365	145	220	105	56
A2LD 50 - 160 A	80	50 PN10	102	125	165	4	18	455	110	345	427	217	210	365	145	220	105	86
A2LD 50 - 160 B	100	50 PN10	102	125	165	4	18	535	110	425	480	245	235	410	170	240	120	67

NOCCHI A2LD - A4LD 65

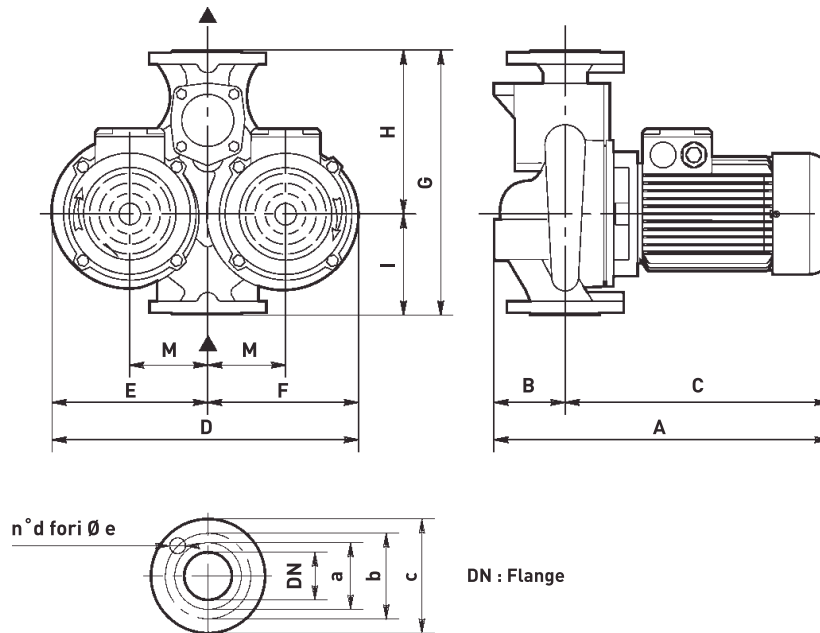
"IN LINE" MONOBLOC PUMP

PERFORMANCE TABLE

CODE	MODEL	Motor output kW	Amp.		n [min ⁻¹]	Q	L/ min m ³ /h	200	225	250	300	400	350	450	500	600	700	800	900	1000	
			12	13.5				15	18	21	24	27	30	36	42	48	54	60			
N8020840	A4LD 65 - 160 Z	0.55	1.6	2.7	4-pole	Manometric height m.c.a. / m.w.c.	6.7	6.6	6.4	6.1	5.7	5.1	4.3	3.3							
N8020850	A4LD 65 - 160 Y	0.75	2	3.5	4-pole		8.2	8.0	7.9	7.7	7.4	7.0	6.6	6.0	4.0						
N8020860	A4LD 65 - 160 X	0.9	2.4	4.2	4-pole		9.0	8.9	8.8	8.6	8.4	8.1	7.7	7.2	5.5						
N8020660	A2LD 65 - 160 D	3	6.4	11	2-pole						23	22.5	22	21.5	19.8	17.5	15				
N8020670	A2LD 65 - 160 C	4	8.8	15.2	2-pole							26.5	26	25.5	24.3	22.6	20.2	18			
N8020680	A2LD 65 - 160 B	5.5	11.3	-	2-pole							32.5	32	31.5	30.5	29.5	28	26	23.5		
N8020700	A2LD 65 - 160 A	7.5	17.3	-	2-pole							37	36.5	36	35	34	32.5	31	29		

COUNTERFLANGES OPTIONAL

*Performance data refer to a single head in operation



OVERALL DIMENSIONS AND WEIGHTS

MODEL	MOTOR	DNa DNm	Flange mm.					Dimensions (mm)										Weight (kg)
			A	B	C	D	E	A	B	C	D	E	F	G	H	I	L	
A4LD 65 - 160 X	80	65 PN10	122	145	185	4	18	475	130	345	543	275	268	450	180	270	140	67
A4LD 65 - 160 Y	80	65 PN10	122	145	185	4	18	475	130	345	543	275	268	450	180	270	140	65
A4LD 65 - 160 Z	80	65 PN10	122	145	185	4	18	475	130	345	543	275	268	450	180	270	140	65
A2LD 65 - 160 A	90	65 PN10	122	145	185	4	18	495	110	385	480	245	235	410	170	240	120	67
A2LD 65 - 160 B	132	65 PN10	122	145	185	4	18	670	130	540	543	275	268	450	180	270	140	125
A2LD 65 - 160 C	100	65 PN10	122	145	185	4	18	565	130	435	543	275	268	450	180	270	140	101
A2LD 65 - 160 D	90	65 PN10	122	145	185	4	18	485	130	345	543	275	268	450	180	270	140	81

NOCCHI A2LD - A4LD 80

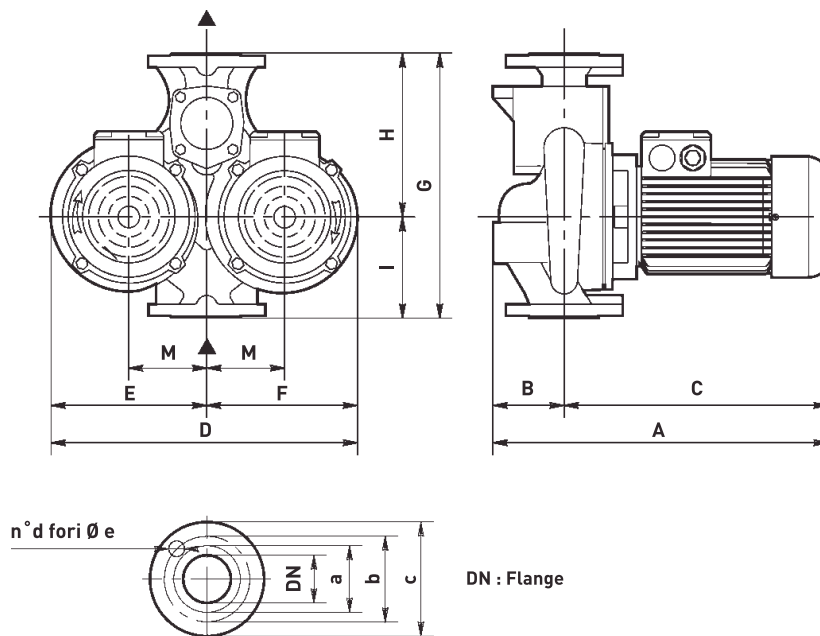
"IN LINE" MONOBLOC PUMP

PERFORMANCE TABLE

CODE	MODEL	Motor output		Amp.		n (min ⁻¹)	Q	L/min	300	350	400	450	500	600	700	800	900	1000	1250	1500	1750	2000	2250	
		kW	3x400 V	3x230 V	18				21	24	27	30	36	42	48	54	60	75	90	105	120	135		
N8020870	A4LD 80 - 160 W	0.75	2.25	3.9	4-pole	Manometric height m.c.a. / m.w.c.	6.3	6.2	6.1	5.9	5.6	4.9	4.1	3.2										
N8020880	A4LD 80 - 160 Z	0.9	2.7	4.7	4-pole		7.3	7.2	7.1	7	6.8	6.3	5.6	4.8	3.9									
N8020890	A4LD 80 - 160 Y	1.1	2.6	4.5	4-pole		8.6	7.5	8.4	8.3	8.2	8.0	7.5	6.8	6.0	5.0								
N8020900	A4LD 80 - 160 X	1.5	3.5	6.1	4-pole		10.2	10.1	10	9.9	9.8	9.4	9.0	8.5	7.7	6.5								
N8020690	A2LD 80 - 160 D	7.5	17.3	-	2-pole								25	24.9	24.1	23.4	20.5	17	12.7					
N8020710	A2LD 80 - 160 C	10	22.5	-	2-pole								30.5	30	29.5	29	26.5	24	20.5	16				
N8020720	A2LD 80 - 160 B	12.5	27	-	2-pole								36.5	36	35.5	34.5	33	30	27	23	19			
N8020730	A2LD 80 - 160 A	15	32	-	2-pole								41	40.5	40	39.5	38	35.5	33	29	24			

COUNTERFLANGES OPTIONAL

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OVERALL DIMENSIONS AND WEIGHTS

MODEL	MOTOR	DN _a DN _m	Flange mm.					Dimensions (mm)										Weight (kg)
			A	B	C	D	E	A	B	C	D	E	F	G	H	I	L	
A4LD 80 - 160 X	90	80 PN10	138	160	200	8	18	535	150	385	550	280	270	510	205	305	135	83
A4LD 80 - 160 Y	90	80 PN10	138	160	200	8	18	535	150	385	550	280	270	510	205	305	135	79
A4LD 80 - 160 Z	80	80 PN10	138	160	200	8	18	485	150	335	550	280	270	510	205	305	135	74
A4LD 80 - 160 W	80	80 PN10	138	160	200	8	18	485	150	335	550	280	270	510	205	305	135	72
A2LD 80 - 160 A	112	80 PN10	138	160	200	8	18	565	130	435	543	275	268	450	180	270	140	110
A2LD 80 - 160 B	132	80 PN10	138	160	200	8	18	690	150	540	550	280	270	510	205	305	135	175
A2LD 80 - 160 C	132	80 PN10	138	160	200	8	18	690	150	540	550	280	270	510	205	305	135	162
A2LD 80 - 160 D	132	80 PN10	138	160	200	8	18	690	150	540	550	280	270	510	205	305	135	141

NOCCHI A2LD - A4LD 100

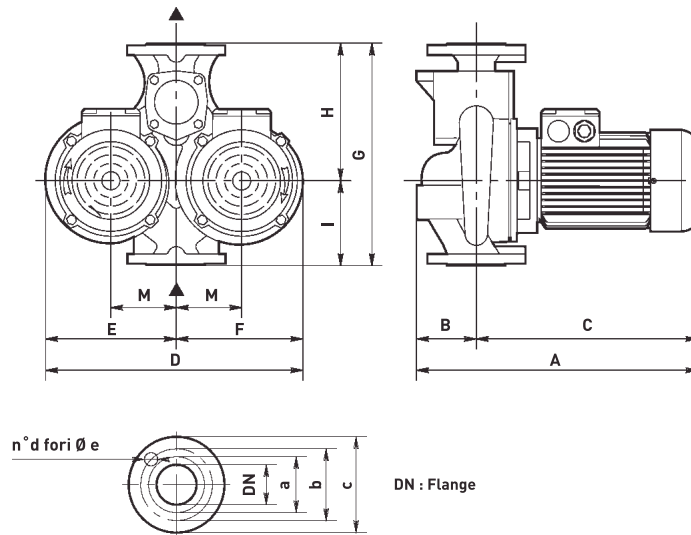
"IN LINE" MONOBLOC PUMP

PERFORMANCE TABLE

CODE	MODEL	Motor output		Amp.	n (min ⁻¹)	Q	L/ min m ³ /h	500	600	700	800	900	1000	1100	1200	1300	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000		
		kW	3x400 V					3x230 V	30	36	42	48	54	60	66	72	78	90	105	120	135	150	165	180	195	210	225	240	
N8020910	A4LD 100 - 200W	1.5	38	6.6	4-pole	Manometric height m.c.a. / m.w.c.	8.2	7.8	7.4	7	6.5	6	5.3	4.6	4														
N8020920	A4LD 100 - 200Z	2.2	5.1	8.9	4-pole			10	9.7	9.3	8.9	8.5	8.0	7.5	7.0	6.0													
N8020930	A4LD 100 - 200Y	3.0	6.9	12	4-pole			12	11.7	11.5	11.3	11	10.5	10	9.5	8.5	7.0												
N8020940	A4LD 100 - 200X	4.0	9.2	16	4-pole			14.5	14.2	14	13.8	13.5	13.1	12.7	12.2	11	9.0	6.5											
N8020760	A2LD 100 - 200D	40	22.5	-	2-pole										23.3	22	20.5	18.5	16	10.5	7	3							
N8020770	A2LD 100 - 200C	12.5	27	-	2-pole										26.2	25.5	24	22	20	17.5	15	12	8.6	5					
N8020780	A2LD 100 - 200B	15	32	-	2-pole										27.8	27	25.5	23.5	21.5	19	16.5	13.8	10.8	7.5	3				
N8020790	A2LD 100 - 200A	15	32	-	2-pole											29	28	26	24.5	22	20	17.5	14	11.3	7.5	3.5			
N8020740	A2LD 100 - 200F	12.5	27	-	2-pole										32.1	31	29	27	24.5	22	19								
N8020750	A2LD 100 - 200E	15	32	-	2-pole										37.3	36.5	35	33	31	28.5	26								

COUNTERFLANGES OPTIONAL

*Performance data refer to a single head in operation



OVERALL DIMENSIONS AND WEIGHTS

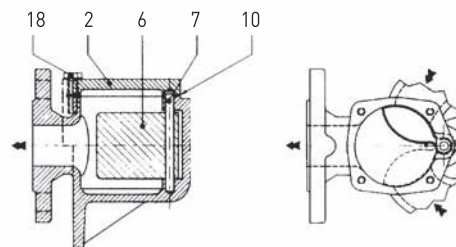
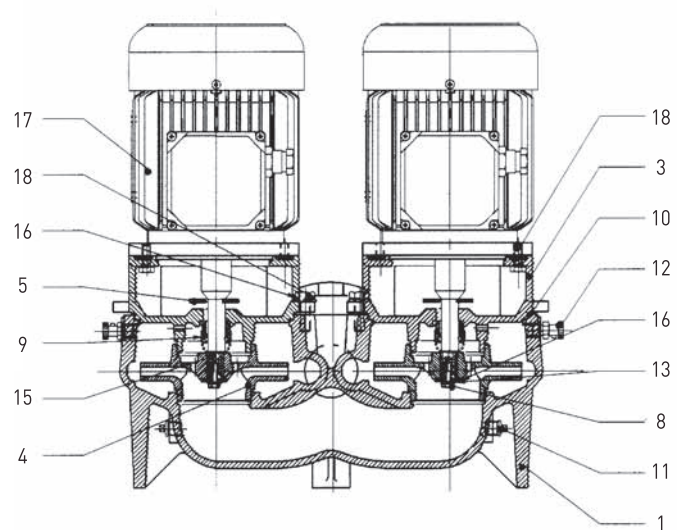
MODEL	MOTOR	DNa	Flange mm.					Dimensions (mm)										Weight (kg)
			DNm	A	B	C	D	E	A	B	C	D	E	F	G	H	I	
A4LD 100 - 200 X	112	100 PN10	158	180	220	8	18	615	180	435	670	325	345	630	240	390	165	150
A4LD 100 - 200 Y	100	100 PN10	158	180	220	8	18	605	180	425	670	325	345	630	240	390	165	138
A4LD 100 - 200 Z	100	100 PN10	158	180	220	8	18	605	180	425	670	325	345	630	240	390	165	130
A4LD 100 - 200 W	90	100 PN10	158	180	220	8	18	535	180	355	670	325	345	630	240	390	165	110
A2LD 100 - 200 E	132	100 PN10	158	180	220	8	18	720	180	540	670	325	345	630	240	390	165	162
A2LD 100 - 200 F	132	100 PN10	158	180	220	8	18	720	180	540	670	325	345	630	240	390	165	162
A2LD 100 - 200 D	132	100 PN10	158	180	220	8	18	720	180	540	670	325	345	630	240	390	165	162
A2LD 100 - 200 C	132	100 PN10	158	180	220	8	18	720	180	540	670	325	345	630	240	390	165	162
A2LD 100 - 200 B	132	100 PN10	158	180	220	8	18	720	180	540	670	325	345	630	240	390	165	162
A2LD 100 - 200 A	132	100 PN10	158	180	220	8	18	720	180	540	670	325	345	630	240	390	165	162

NOCCHI A2LD - A4LD

"IN LINE" MONOBLOC PUMP

ILLUSTRATION SECTION

Component	
1	Pump body
2	Inspection cover
3	Housing - Cover
4	Impeller
5	Deflector
6	Shutter
7	Shutter pin
8	Rotary nut
9	Mechanical gasket
10	Flat seal
11	Drain plug
12	Bleed plug
13	Rubber washer
14	Hex nut
15	Tab
16	Washer
17	Motor
18	Screw



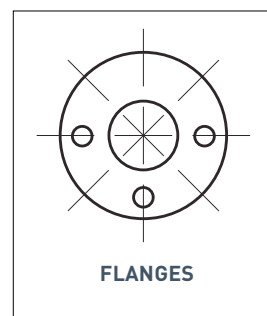
NOCCHI ACCESSORIES

CIRCULAR FLANGES

CODE	DESCRIPTION	MATERIAL	TYPE	S	D	n° F	PN	DN
B7098KKK			To weld	110	19	4	10 - 16	DN 40
B7097KKK			Threaded	110	19	4	10 - 16	1 1/2
ZB901890			To weld	125	18	4	10 - 16	DN 50
B7050KKK			Threaded	125	18	4	10 - 16	2"
B7075KKK			To weld	145	18	4	10 - 16	DN 65
ZB901940			Threaded	145	18	8	10 - 16	2 1/2
ZB901950			To weld	160	18	8	10 - 16	DN 80
ZB901900			Threaded	160	18	8	10 - 16	3"
ZB901920			To weld	180	18	8	10 - 16	DN 100
B7078KKK			To weld	210	18	8	10 - 16	DN 125
ZB901930				240	22	8	10 - 16	DN 150

GUIDE TO THE SELECTION OF PORTS AND COUNTERFLANGES

ACCESSORY	CIRCULAR FLANGES											
	1 1/2	DN 40	2"	DN 50	DN 65	2 1/2	3"	DN 80	DN 100	DN 125	DN 150	
Port dimensions	10-16	10-16	10-16	10-16	10-16	10-16	10-16	10-16	10-16	16	16	
PN	10-16	10-16	10-16	10-16	10-16	10-16	10-16	10-16	10-16	16	16	
	B7097KKK	B7098KKK	B7050KKK	ZB901890	B7075KKK	ZB901940	ZB901900	ZB901950	ZB901920	B7078KKK	ZB901930	
A2L/A4L (D) 40	●	●										
A2L/A4L (D) 50			●	●								
A2L/A4L (D) 65					●	●						
A2L/A4L (D) 80							●	●				
A2L/A4L (D) 100									●			
A4L 125										●		
A4L 150											●	



LENNTECH

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