

BOOSTER CDX PUMP



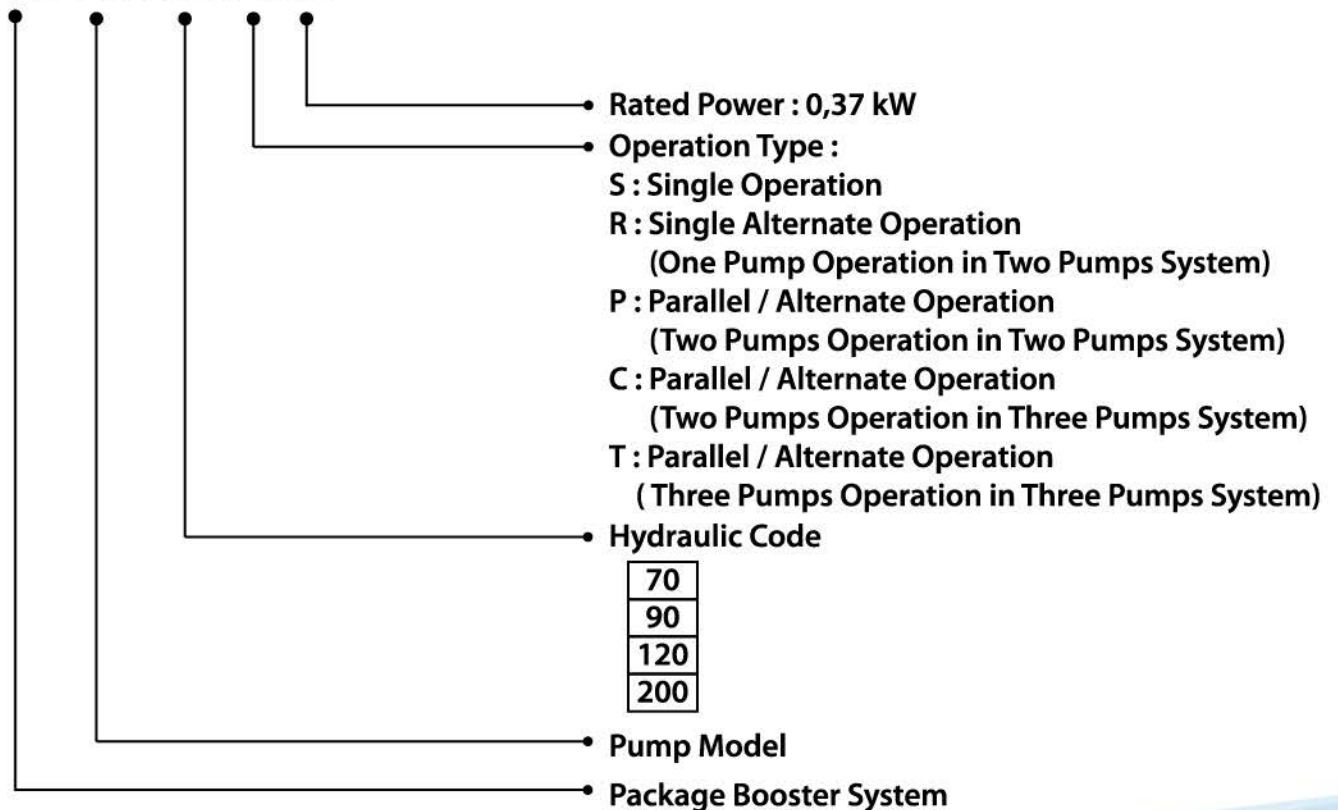
STANDARD SPECIFICATIONS

PUMP		
Liquid Handled	Type of liquid	Clean water
	Max temperature [°C]	70
Maximum working pressure [MPa]		0.8
Construction	Impeller	Closed centrifugal type
	Shaft seal type	Mechanical seal
	Bearing	Sealed ball bearing
Pipe Connection	Suction	G 1¼ (G 1½ CDX200)
	Discharge	G 1
Material	Casing	AISI 304
	Impeller	AISI 304
	Casing cover	AISI 304
	Shaft seal	Ceramic/Carbon/NBR (for CDX) Ceramic/Carbon/FPM (for CDXH) SiC/SiC/FPM (for CDXHS)
	Shaft	AISI 303 (Wet extension)
	Bracket	Aluminium
Applicable standard of test		ISO 9906 – Annex A

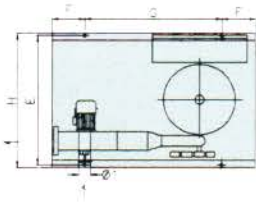
MODEL CODE AND SELECTION CHART

Model Code

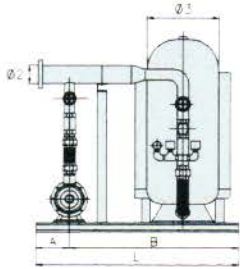
IBBS - CDX - 70/05 - S 0,37



INDOBARA BOOSTER SYSTEM DIMENSIONS TABLE



UPPER VIEW



FRONT VIEW

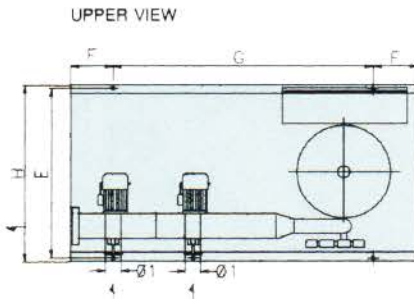
SINGLE OPERATION

2 Pole (2800 rpm)

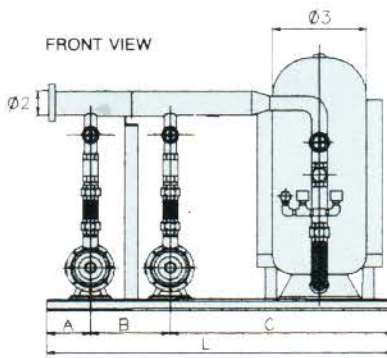
TYPE		kW	Ø1	Ø2	Ø3	A	B	L	G	F	E	H
NON INVERTER	INVERTER											
IBBS - CDX70/05 - S.37	IBBS - CDX70/05I - S.37	0,37	32	32	410	170	930	1100	800	150	460	500
IBBS - CDX70/07 - S.55	IBBS - CDX70/07I - S.55	0,55	32	32	410	170	930	1100	800	150	460	500
IBBS - CDX90/10 - S.75	IBBS - CDX90/10I - S.75	0,75	32	32	410	170	930	1100	800	150	460	500
IBBS - CDX 120/07 - S.55	IBBS - CDX 120/07I - S.55	0,55	32	32	410	170	930	1100	800	150	460	500
IBBS - CDX 120/12 - S.9	IBBS - CDX 120/12I - S.9	0,9	32	32	410	170	930	1100	800	150	460	500
IBBS - CDX 120/20 - S1.5	IBBS - CDX 120/20I - S1.5	1,5	32	32	410	170	930	1100	800	150	460	500
IBBS - CDX 200/12 - S.9	IBBS - CDX 200/12I - S.9	0,9	40	40	410	170	930	1100	800	150	460	500
IBBS - CDX 200/20 - S1.5	IBBS - CDX 200/20I - S1.5	1,5	40	40	410	170	930	1100	800	150	460	500
IBBS - CDX 200/25 - S1.8	IBBS - CDX 200/25I - S1.8	1,8	40	40	410	170	930	1100	800	150	460	500

SINGLE / ALTERNATE OPERATION ONE PUMP OPERATION IN TWO PUMPS SYSTEM

2 Pole (2800 rpm)



UPPER VIEW



FRONT VIEW

TYPE		kW	Ø1	Ø2	Ø3	A	B	C	L	G	F	E	H
NON INVERTER	INVERTER												
IBBS - CDX70/05 - R.37	IBBS - CDX70/05I - R.37	0,37	32	32	140	170	330	1000	1500	1200	150	560	600
IBBS - CDX70/07 - R.55	IBBS - CDX70/07I - R.55	0,55	32	32	140	170	330	1000	1500	1200	150	560	600
IBBS - CDX90/10 - R.75	IBBS - CDX90/10I - R.75	0,75	32	32	140	170	330	1000	1500	1200	150	560	600
IBBS - CDX 120/07 - R.55	IBBS - CDX 120/07I - R.55	0,55	32	32	140	170	330	1000	1500	1200	150	560	600
IBBS - CDX 120/12 - R.9	IBBS - CDX 120/12I - R.9	0,9	32	32	140	170	330	1000	1500	1200	150	560	600
IBBS - CDX 120/20 - R1.5	IBBS - CDX 120/20I - R1.5	1,5	32	32	140	170	330	1000	1500	1200	150	560	600
IBBS - CDX 200/12 - R.9	IBBS - CDX 200/12I - R.9	0,9	40	40	140	170	330	1000	1500	1200	150	560	600
IBBS - CDX 200/20 - R1.5	IBBS - CDX 200/20I - R1.5	1,5	40	40	140	170	330	1000	1500	1200	150	560	600
IBBS - CDX 200/25 - R1.8	IBBS - CDX 200/25I - R1.8	1,8	40	40	140	170	330	1000	1500	1200	150	560	600

unit: mm

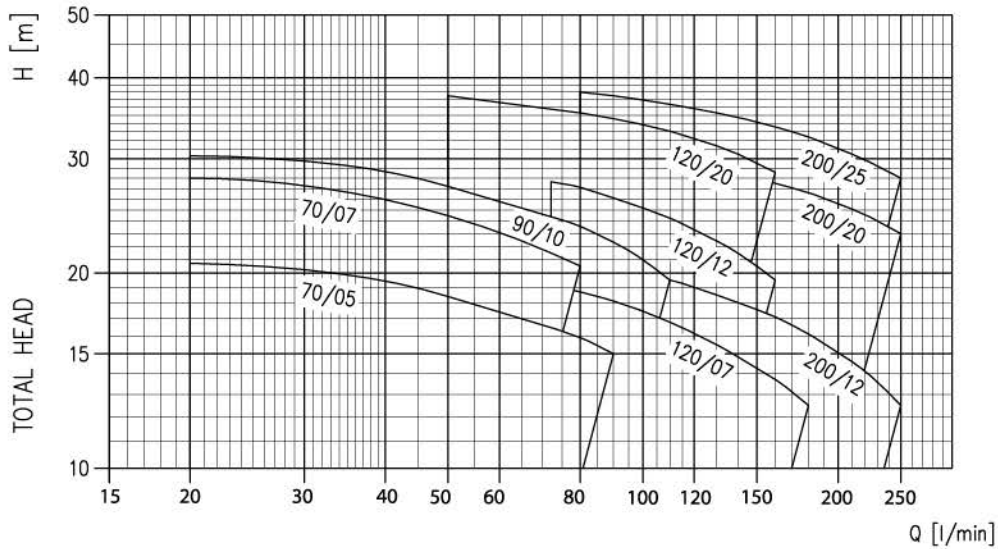
PARALLEL / ALTERNATE OPERATION TWO PUMPS OPERATION IN TWO PUMPS SYSTEM

2 Pole (2800 rpm)

TYPE		kW	Ø1	Ø2	Ø3	A	B	C	L	G	F	E	H
NON INVERTER	INVERTER												
IBBS - CDX70/05 - P.37	IBBS - CDX70/05I - P.37	0,37	32	40	410	170	330	1000	1500	1200	150	560	600
IBBS - CDX70/07 - P.55	IBBS - CDX70/07I - P.55	0,55	32	40	410	170	330	1000	1500	1200	150	560	600
IBBS - CDX90/10 - P.75	IBBS - CDX90/10I - P.75	0,75	32	40	410	170	330	1000	1500	1200	150	560	600
IBBS - CDX 120/07 - P.55	IBBS - CDX 120/07I - P.55	0,55	32	40	410	170	330	1000	1500	1200	150	560	600
IBBS - CDX 120/12 - P.9	IBBS - CDX 120/12I - P.9	0,9	32	40	410	170	330	1000	1500	1200	150	560	600
IBBS - CDX 120/20 - P1.5	IBBS - CDX 120/20I - P1.5	1,5	32	40	410	170	330	1000	1500	1200	150	560	600
IBBS - CDX 200/12 - P.9	IBBS - CDX 200/12I - P.9	0,9	40	50	410	170	330	1000	1500	1200	150	560	600
IBBS - CDX 200/20 - P1.5	IBBS - CDX 200/20I - P1.5	1,5	40	50	410	170	330	1000	1500	1200	150	560	600
IBBS - CDX 200/25 - P1.8	IBBS - CDX 200/25I - P1.8	1,8	40	50	410	170	330	1000	1500	1200	150	560	600

unit: mm

SINGLE OPERATIONS & SINGLE ALTERNATE OPERATION



SINGLE OPERATION

2 Pole

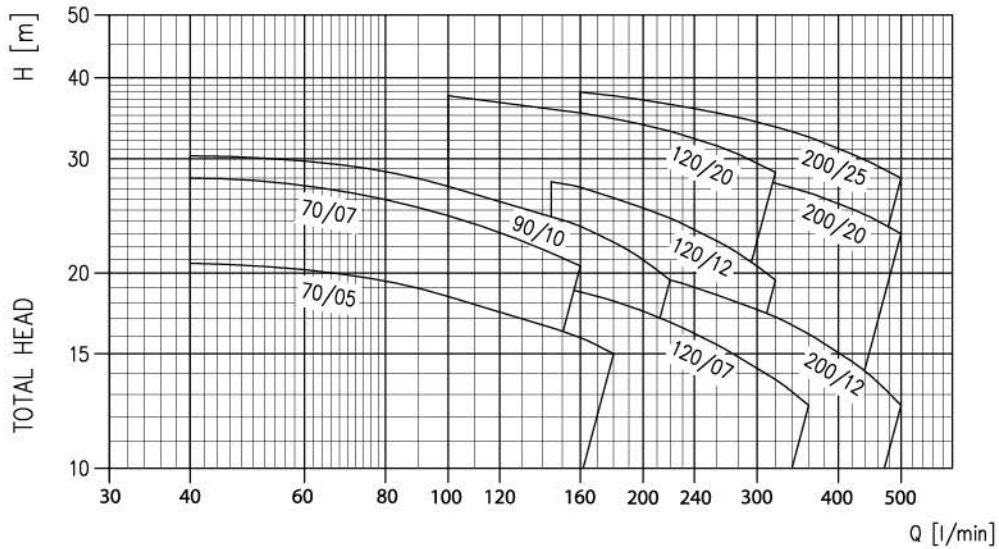
NO	TYPE		Suct. dia. (mm)	Disch. dia (mm)	Motor output (kW)	Capacity Range Q (L/Min)	Non Inverter		Inverter	DIMENSION (L x H) (mm)
	NON INVERTER	INVERTER					Start Pressure (kgf/cm ²)	Stop Pressure (kgf/cm ²)	Operating Pressure Range (kgf/cm ²)	
1	IBBS - CDX70/05 - S.37	IBBS - CDX70/05I - S.37	32	32	0,37	30-70	1,5	2,0	1,6-2,0	1000 X 750
2	IBBS - CDX70/07 - S.55	IBBS - CDX70/07I - S.55	32	32	0,55	30-70	2,1	2,9	2,5-2,9	1000 X 750
3	IBBS - CDX90/10 - S.75	IBBS - CDX90/10I - S.75	32	32	0,75	30-90	2,0	3,0	2,6-3,0	1000 X 750
4	IBBS - CDX 120/07 - S.55	IBBS - CDX 120/07I - S.55	32	32	0,55	40 - 130	1,5	2,0	1,6-2,0	1000 X 750
5	IBBS - CDX 120/12 - S.9	IBBS - CDX 120/12I - S.9	32	32	0,9	40 - 130	2,0	3,0	2,6-3,0	1000 X 750
6	IBBS - CDX 120/20 - S1.5	IBBS - CDX 120/20I - S1.5	32	32	1,5	40 - 130	2,9	3,7	3,3-3,7	1000 X 750
7	IBBS - CDX 200/12 - S.9	IBBS - CDX 200/12I - S.9	40	40	0,9	60 - 210	1,5	2,1	1,7-2,1	1000 X 750
8	IBBS - CDX 200/20 - S1.5	IBBS - CDX 200/20I - S1.5	40	40	1,5	60 - 210	2,4	3,2	2,8-3,2	1000 X 750
9	IBBS - CDX 200/25 - S1.8	IBBS - CDX 200/25I - S1.8	40	40	1,85	60 - 210	2,9	3,8	3,4-3,8	1000 X 750

SINGLE / ALTERNATE OPERATION ONE PUMP OPERATION IN TWO PUMPS SYSTEM

2 Pole

NO	TYPE		Suct. dia. (mm)	Disch. dia (mm)	Motor output (kW)	Capacity Range Q (L/Min)	Non Inverter		Inverter	DIMENSION (L x H) (mm)
	NON INVERTER	INVERTER					Start Pressure (kgf/cm ²)	Stop Pressure (kgf/cm ²)	Operating Pressure Range (kgf/cm ²)	
1	IBBS - CDX70/05 - R.37	IBBS - CDX70/05I - R.37	32	32	0,37	30-70	1,5	2,0	1,6-2,0	1400 x 750
2	IBBS - CDX70/07 - R.55	IBBS - CDX70/07I - R.55	32	32	0,55	30-70	2,1	2,9	2,5-2,9	1400 x 750
3	IBBS - CDX90/10 - R.75	IBBS - CDX90/10I - R.75	32	32	0,75	30-90	2,0	3,0	2,6-3,0	1400 x 750
4	IBBS - CDX 120/07 - R.55	IBBS - CDX 120/07I - R.55	32	32	0,55	40 - 130	1,5	2,0	1,6-2,0	1400 x 750
5	IBBS - CDX 120/12 - R.9	IBBS - CDX 120/12I - R.9	32	32	0,9	40 - 130	2,0	3,0	2,6-3,0	1400 x 750
6	IBBS - CDX 120/20 - R1.5	IBBS - CDX 120/20I - R1.5	32	32	1,5	40 - 130	2,9	3,7	3,3-3,7	1400 x 750
7	IBBS - CDX 200/12 - R.9	IBBS - CDX 200/12I - R.9	40	40	0,9	60 - 210	1,5	2,1	1,7-2,1	1400 x 750
8	IBBS - CDX 200/20 - R1.5	IBBS - CDX 200/20I - R1.5	40	40	1,5	60 - 210	2,4	3,2	2,8-3,2	1400 x 750
9	IBBS - CDX 200/25 - R1.8	IBBS - CDX 200/25I - R1.8	40	40	1,85	60 - 210	2,9	3,8	3,4-3,8	1400 x 750

PARALLEL ALTERNATE OPERATION



PARALLEL / ALTERNATE OPERATION
TWO PUMPS OPERATION IN TWO PUMPS SYSTEM

2 Pole

NO	TYPE		Suct. dia. (mm)	Disch. dia (mm)	Motor output (kW)	Capacity Range Q (L/Min)	Non Inverter		Inverter	DIMENSION (L x H) (mm)
							Start Pressure (kgf/cm ²)	Stop Pressure (kgf/cm ²)	Operating Pressure Range (kgf/cm ²)	
	NON INVERTER	INVERTER								
1	IBBS - CDX70/05 - P.37	IBBS - CDX70/05I - P.37	32	40	0,37	50 - 120	1,5	2,0	1,6-2,0	1400 x 750
2	IBBS - CDX70/07 - P.55	IBBS - CDX70/07I - P.55	32	40	0,55	50 - 120	2,1	2,9	2,5-2,9	1400 x 750
3	IBBS - CDX90/10 - P.75	IBBS - CDX90/10I - P.75	32	40	0,75	50 - 160	2,0	3,0	2,6-3,0	1400 x 750
4	IBBS - CDX 120/07 - P.55	IBBS - CDX 120/07I - P.55	32	40	0,55	80 - 200	1,5	2,0	1,6-2,0	1400 x 750
5	IBBS - CDX 120/12 - P.9	IBBS - CDX 120/12I - P.9	32	40	0,9	80 - 200	2,0	3,0	2,6-3,0	1400 x 750
6	IBBS - CDX 120/20 - P1.5	IBBS - CDX 120/20I - P1.5	32	40	1,5	80 - 200	2,9	3,7	3,3-3,7	1400 x 750
7	IBBS - CDX 200/12 - P.9	IBBS - CDX 200/12I - P.9	40	50	0,9	100 - 380	1,5	2,1	1,7-2,1	1400 x 750
8	IBBS - CDX 200/20 - P1.5	IBBS - CDX 200/20I - P1.5	40	50	1,5	100 - 380	2,4	3,2	2,8-3,2	1400 x 750
9	IBBS - CDX 200/25 - P1.8	IBBS - CDX 200/25I - P1.8	40	50	1,85	100 - 380	2,9	3,8	3,4-3,8	1400 x 750

PARALLEL / ALTERNATE OPERATION
TWO PUMPS OPERATION IN THREE PUMPS SYSTEM

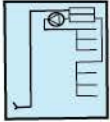
2 Pole

NO	TYPE		Suct. dia. (mm)	Disch. dia (mm)	Motor output (kW)	Capacity Range Q (L/Min)	Non Inverter		Inverter	DIMENSION (L x H) (mm)
							Start Pressure (kgf/cm ²)	Stop Pressure (kgf/cm ²)	Operating Pressure Range (kgf/cm ²)	
	NON INVERTER	INVERTER								
1	IBBS - CDX70/05 - C.37	IBBS - CDX70/05I - C.37	32	40	0,37	50 - 120	1,5	2,0	1,6-2,0	1600 X 750
2	IBBS - CDX70/07 - C.55	IBBS - CDX70/07I - C.55	32	40	0,55	50 - 120	2,1	2,9	2,5-2,9	1600 X 750
3	IBBS - CDX90/10 - C.75	IBBS - CDX90/10I - C.75	32	40	0,75	50 - 160	2,0	3,0	2,6-3,0	1600 X 750
4	IBBS - CDX 120/07 - C.55	IBBS - CDX 120/07I - C.55	32	40	0,55	80 - 200	1,5	2,0	1,6-2,0	1600 X 750
5	IBBS - CDX 120/12 - C.9	IBBS - CDX 120/12I - C.9	32	40	0,9	80 - 200	2,0	3,0	2,6-3,0	1600 X 750
6	IBBS - CDX 120/20 - C1.5	IBBS - CDX 120/20I - C1.5	32	40	1,5	80 - 200	2,9	3,7	3,3-3,7	1600 X 750
7	IBBS - CDX 200/12 - C.9	IBBS - CDX 200/12I - C.9	40	50	0,9	100 - 380	1,5	2,1	1,7-2,1	1600 X 750
8	IBBS - CDX 200/20 - C1.5	IBBS - CDX 200/20I - C1.5	40	50	1,5	100 - 380	2,4	3,2	2,8-3,2	1600 X 750
9	IBBS - CDX 200/25 - C1.8	IBBS - CDX 200/25I - C1.8	40	50	1,85	100 - 380	2,9	3,8	3,4-3,8	1600 X 750

IBBS PACKAGED BOOSTER SYSTEM NON VARIABLE SPEED DRIVE

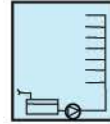
FEATURES

1. All elements are integrated into a single unit. Pumps, motors, control panel, pressure tank, pressure switch, etc. are all mounted on a common base to reduce space requirements and facilitate piping work.

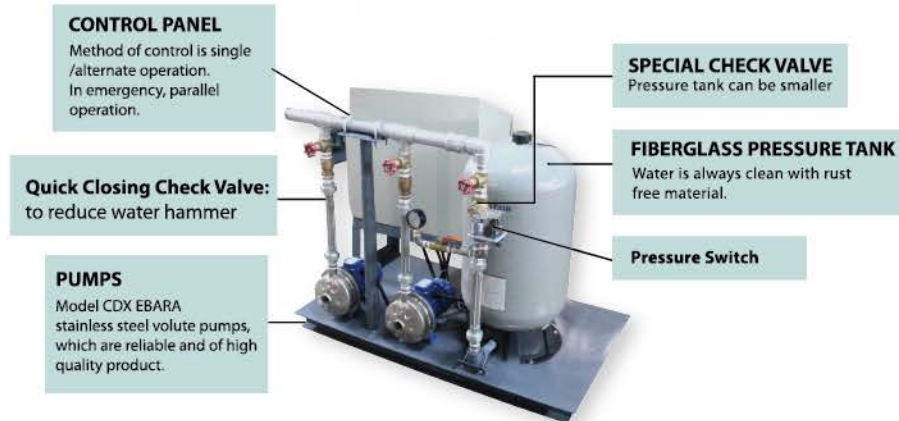


System which is provided with rooftop tank where extra pressure is required at the highest tap point.

2. Simple wiring work. All internal wiring is installed. Just connect power cables at the primary side of the system and electrodes of water tank and the system is ready for use.



System for building which are not supplied by mains pressure. Provided with "ground tank".



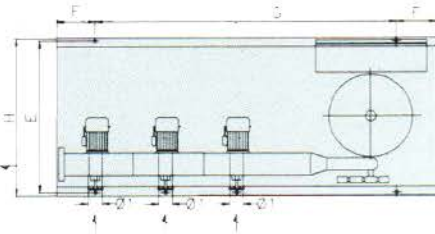
IBBS CONSTANT WATER PRESSURE WITH VARIABLE SPEED DRIVE

FEATURES

1. **Constant Pressure Water Supply :**
the feedback controller with variable speed drive maintains constant pressure at any tap points along pipeline even the farthest from the pumps.
2. **Energy Saving System :**
minimum necessary energy is consumed during demand thanks to the application of variable frequency drives using Programmable Logic Controller (PLC) and power inverter.
3. **Reliable System :**
a robust industrial-standard Programmable Logic Controller for single/ parallel/ alternate operations with a soft-starter mechanism increases the reliability of the system and prolongs the life expectancy of the system.
4. **Integrated System :**
pumps, motors, control panel, pressure tank, pressure switch, pressure transducer and other components are fully integrated and mounted on a common base.
5. **Easy Installation :**
all internal wiring is pre-installed, and the system is ready for use (just connect power cables to the power outlet and wires to electrodes in a water tank).
6. **Easy Operation & Maintenance :**
indicator panels are designed for easy operation and maintenance.



UPPER VIEW



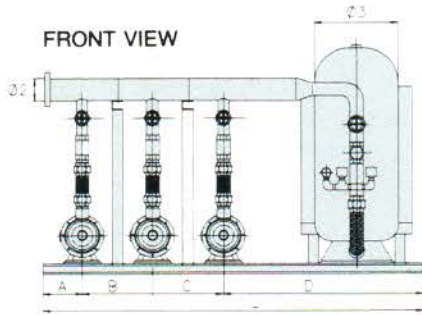
PARALLEL / ALTERNATE OPERATION
TWO PUMPS OPERATION IN THREE PUMPS SYSTEM

2 Pole (2800 rpm)

TYPE		kW	Ø1	Ø2	Ø3	A	B	C	D	L	G	F	E	H
NON INVERTER	INVERTER													
IBBS - CDX70/05 - C.37	IBBS - CDX70/05I - C.37	0,37	32	40	410	170	330	330	1000	1830	1530	150	560	600
IBBS - CDX70/07 - C.55	IBBS - CDX70/07I - C.55	0,55	32	40	410	170	330	330	1000	1830	1530	150	560	600
IBBS - CDX90/10 - C.75	IBBS - CDX90/10I - C.75	0,75	32	40	410	170	330	330	1000	1830	1530	150	560	600
IBBS - CDX 120/07 - C.55	IBBS - CDX 120/07I - C.55	0,55	32	40	410	170	330	330	1000	1830	1530	150	560	600
IBBS - CDX 120/12 - C.9	IBBS - CDX 120/12I - C.9	0,9	32	40	410	170	330	330	1000	1830	1530	150	560	600
IBBS - CDX 120/20 - C1.5	IBBS - CDX 120/20I - C1.5	1,5	32	40	410	170	330	350	1000	1830	1530	150	560	600
IBBS - CDX 200/12 - C.9	IBBS - CDX 200/12I - C.9	0,9	40	50	410	170	330	330	1000	1830	1530	150	560	600
IBBS - CDX 200/20 - C1.5	IBBS - CDX 200/20I - C1.5	1,5	40	50	410	170	330	330	1000	1830	1530	150	560	600
IBBS - CDX 200/25 - C1.8	IBBS - CDX 200/25I - C1.8	1,8	40	50	410	170	330	330	1000	1830	1530	150	560	600

unit: mm

FRONT VIEW





Head & Sales Office

📍 Jl. Gunung Sahari Raya
No. 57G, Jakarta Pusat 10610,
Indonesia
☎ +62-21-420 9908
✉ info@indobara.co.id

Workshop & Warehouse

📍 Jl. Palm Hill No. 7 Kadumangu,
Kec. Babakan Madang,
Kab. Bogor, Indonesia
☎ +62-21 501 27800
✉ info.wrk@indobara.co.id

Branch Office Surabaya

📍 Kom. Mangga Dua, Blok AA2-16/17
Jl. Jagir Wonokromo 100,
Surabaya 60244, Indonesia
☎ +62-31-848 3383
✉ info.sby@indobara.co.id

Branch Office Bali

📍 Jl. Pantai Saba No. 7A
Ds. Saba, Kec. Blahbatuh
Kab. Gianyar, Bali, Indonesia
☎ +62-856-2903-762
☎ +62-811-1368-184