

PACKAGED BOOSTER SYSTEM **MODEL IBBS**

Non Variable Speed Drive or
Constant Water Pressure with Variable Speed Drive

For Buildings, Hotels, Hospitals, Factories, etc.



GENERAL APPLICATIONS

Domestic	Buildings, Apartments, Condominiums, Homes, etc
Commercial	Shopping Centres, Hotels, Office Buildings, etc
Industrial	Factories, Food Industry, Textile Industry, Manufacturing Industry, etc
Public Facilities	School, Hospitals

And many other automatic direct water supply applications

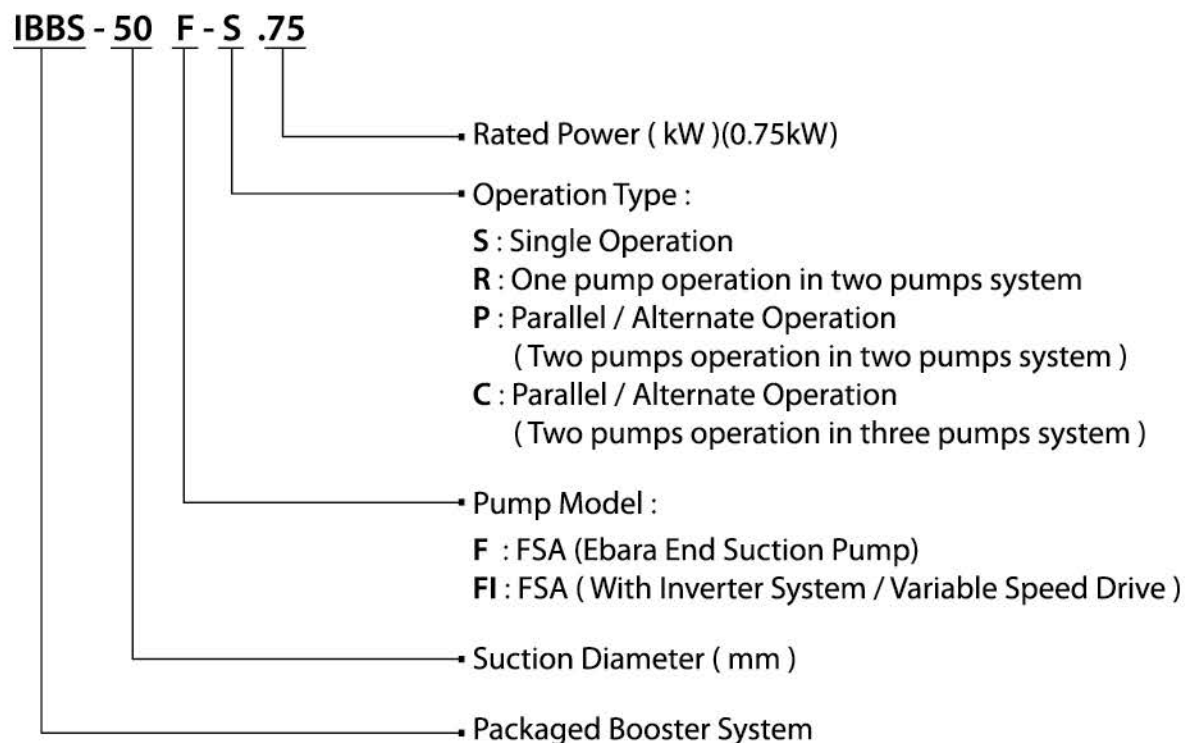
STANDARD SPECIFICATIONS

Liquid	Fresh Water
Temperature	0~40°C
Operation System	Single / Alternate Operation Parallel / Alternate Operation for inverter system, the controller can operate for up to six pumps in parallel on request
Pump Model	FSA - Cast Iron Casing or other model on request Stainless - Steel pumps are also available
Standard Voltage	Up To 4kW -> 3ph x 220 / 380V (D.O.L) x 50 Hz from 5,5 kW and Up -> 3ph x 380 / 660V (Y - Δ) x 50 Hz

All specifications are subject to change without notice

MODEL CODE AND SELECTION CHART

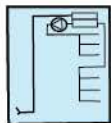
Model Code



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



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

CONTROL PANEL

Method of control is single/alternate operation, or parallel/alternate operation.

FIBERGLASS PRESSURE TANK

Water is always clean with rust free material.

SPECIAL CHECK VALVE

Pressure tank can be smaller.

FLOW SWITCH

PRESSURE SWITCH

PUMPS

Centrifugal volute pumps, which are reliable and of high quality product.

QUICK CLOSING CHECK VALVE

To reduce water hammer.

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.
7. **Dry-Running and No-Flow Protection :**
the safety mechanism includes dry-running protection and no-flow protection.

Control Panel :

Constant pressure with variable speed drive



Fiberglass/Steel Pressure Tank : Rust-free material

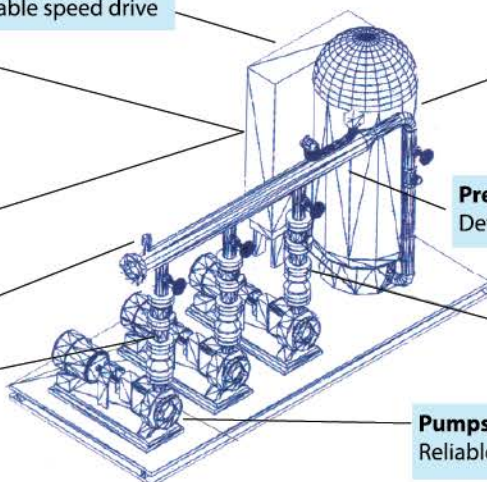
Pressure Switch:
Detecting high water pressure

Pressure Transducer :
Reading water pressure

Flow Switch :
Detecting water flow

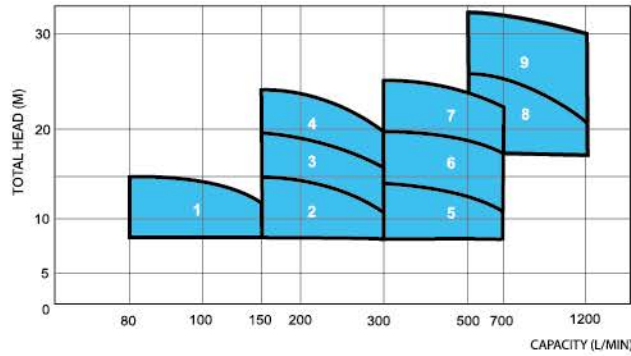
Quick Closing Check Valve:
Reducing water hammer

Pumps :
Reliable and high quality centrifugal volute pumps



SINGLE OPERATION & SINGLE ALTERNATE OPERATION

SYNCHRONOUS SPEED : 1450 RPM



SINGLE OPERATION

Synchronous Speed 1450 rpm

No	TYPE		Suct. dia. (mm)	Disch. dia. (mm)	Motor output (kW)	Capacity Range (l/min)	Non Inverter		Inverter Operating Pressure Range (kgf/cm ²)	Start press selection range (kgf/cm ²)	Dimension (Length x Width) (mm)
							Start pressure (kgf/cm ²)	Stop pressure (kgf/cm ²)			
1.	IBBS-50F-S.75	IBBS-50FI-S.75	50	50	0.75	80 - 150	0.8	1.4	0.8 - 1.3	0.6 - 0.9	960 x 870
2.	IBBS-65F-S.75	IBBS-65FI-S.75	65	65	0.75	150 - 300	0.9	1.3	0.8 - 1.4	0.8 - 1.0	960 x 890
3.	IBBS-65F-S1.5	IBBS-65FI-S1.5	65	65	1.5	150 - 300	1.3	1.9	1.2 - 1.6	1.2 - 1.4	980 x 940
4.	IBBS-65F-S2.2	IBBS-65FI-S2.2	65	65	2.2	150 - 300	1.5	2.3	1.4 - 2.1	1.4 - 1.6	980 x 980
5.	IBBS-80F-S1.5	IBBS-80FI-S1.5	80	80	1.5	300 - 700	0.7	1.4	0.8 - 1.3	0.6 - 0.8	1180 x 940
6.	IBBS-80F-S2.2	IBBS-80FI-S2.2	80	80	2.2	300 - 700	1.1	2.0	1.2 - 1.6	1.0 - 1.2	1180 x 980
7.	IBBS-80F-S3.7	IBBS-80FI-S3.7	80	80	3.7	300 - 700	1.5	2.4	1.6 - 2.1	1.4 - 1.6	1190 x 1000
8.	IBBS-80F-S5.5	IBBS-80FI-S5.5	80	80	5.5	500 - 1200	1.8	2.5	1.8 - 2.2	1.7 - 1.9	1240 x 1200
9.	IBBS-80F-S7.5	IBBS-80FI-S7.5	80	80	7.5	500 - 1200	2.2	3.2	2.3 - 3.0	2.1 - 2.3	1240 x 1240

SINGLE / ALTERNATE OPERATION

ONE PUMP OPERATION IN A TWO-PUMP SYSTEM

Synchronous Speed 1450 rpm

No	TYPE		Suct. dia. (mm)	Disch. dia. (mm)	Motor output (kW)	Capacity Range (l/min)	Non Inverter		Inverter Operating Pressure Range (kgf/cm ²)	Start press selection range (kgf/cm ²)	Dimension (Length x Width) (mm)
							Start pressure (kgf/cm ²)	Stop pressure (kgf/cm ²)			
1.	IBBS-50F-R.75	IBBS-50FI-R.75	50	50	0.75	80 - 150	0.8	1.4	0.8 - 1.3	0.6 - 0.9	1400 x 870
2.	IBBS-65F-R.75	IBBS-65FI-R.75	65	65	0.75	150 - 300	0.9	1.3	0.8 - 1.4	0.8 - 1.0	1425 x 890
3.	IBBS-65F-R1.5	IBBS-65FI-R1.5	65	65	1.5	150 - 300	1.3	1.9	1.2 - 1.6	1.2 - 1.4	1445 x 940
4.	IBBS-65F-R2.2	IBBS-65FI-R2.2	65	65	2.2	150 - 300	1.5	2.3	1.4 - 2.1	1.4 - 1.6	1445 x 980
5.	IBBS-80F-R1.5	IBBS-80FI-R1.5	80	80	1.5	300 - 700	0.7	1.4	0.8 - 1.3	0.6 - 0.8	1645 x 940
6.	IBBS-80F-R2.2	IBBS-80FI-R2.2	80	80	2.2	300 - 700	1.1	2.0	1.2 - 1.6	1.0 - 1.2	1645 x 980
7.	IBBS-80F-R3.7	IBBS-80FI-R3.7	80	80	3.7	300 - 700	1.5	2.4	1.6 - 2.1	1.4 - 1.6	1655 x 1000
8.	IBBS-80F-R5.5	IBBS-80FI-R5.5	80	80	5.5	500 - 1200	1.8	2.5	1.8 - 2.2	1.7 - 1.9	1715 x 1200
9.	IBBS-80F-R7.5	IBBS-80FI-R7.5	80	80	7.5	500 - 1200	2.2	3.2	2.3 - 3.0	2.1 - 2.3	1715 x 1240

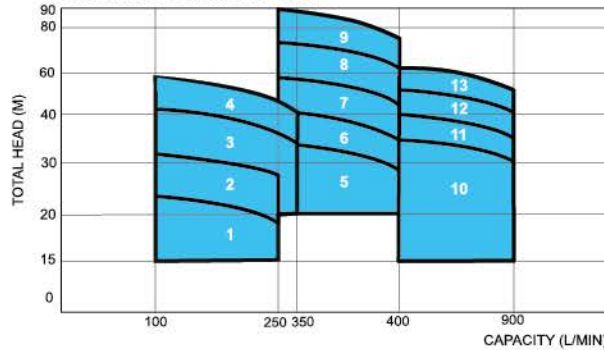
Note:

■ COMMON DATA

■ IBBS - 50F - S.75 = NON INVERTER

■ IBBS - 50FI - S.75 = INVERTER

SYNCHRONOUS SPEED : 2950 RPM



SINGLE OPERATION

Synchronous Speed 2950 rpm

No	TYPE		Suct. dia. (mm)	Disch. dia. (mm)	Motor output (kW)	Capacity Range (l/min)	Non Inverter		Inverter Operating Pressure Range (kgf/cm ²)	Start press selection range (kgf/cm ²)	Dimension (Length x Width) (mm)
							Start pressure (kgf/cm ²)	Stop pressure (kgf/cm ²)			
1	IBBS-50F-S1.5	IBBS-50FI-S1.5	50	50	1.5	100 - 250	1.2	2.5	1.5 - 2.2	1.0 - 1.5	960 x 900
2	IBBS-50F-S2.2	IBBS-50FI-S2.2	50	50	2.2	100 - 250	1.8	3.2	2.1 - 2.8	1.6 - 2.0	960 x 920
3	IBBS-50F-S3.7	IBBS-50FI-S3.7	50	50	3.7	100 - 350	2.5	4.4	2.5 - 4.1	2.4 - 3.0	980 x 980
4	IBBS-50F-S5.5	IBBS-50FI-S5.5	50	50	5.5	100 - 350	3.0	5.7	3.6 - 5.2	2.8 - 3.8	1030 x 1050
5	IBBS-65F-S3.7	IBBS-65FI-S3.7	65	65	3.7	350 - 400	2.0	3.4	2.1 - 3.0	1.9 - 2.4	990 x 1000
6	IBBS-65F-S5.5	IBBS-65FI-S5.5	65	65	5.5	350 - 400	2.6	4.2	3.0 - 4.1	2.5 - 3.2	1030 x 1070
7	IBBS-65F-S7.5	IBBS-65FI-S7.5	65	65	7.5	250 - 400	3.0	5.5	3.6 - 5.0	2.9 - 3.8	1030 x 1070
8	IBBS-65F-S11	IBBS-65FI-S11	65	65	11	250 - 400	5.0	7.5	5.0 - 6.3	4.8 - 6.0	1100 x 1230
9	IBBS-65F-S15	IBBS-65FI-S15	65	65	15	250 - 400	6.0	8.9	6.0 - 8.0	5.9 - 7.2	1100 x 1230
10	IBBS-80F-S5.5	IBBS-80FI-S5.5	80	80	5.5	400 - 900	1.5	3.5	1.7 - 3.0	1.4 - 2.4	1240 x 1070
11	IBBS-80F-S7.5	IBBS-80FI-S7.5	80	80	7.5	400 - 900	2.0	4.0	2.7 - 3.6	1.9 - 2.9	1240 x 1070
12	IBBS-80F-S11	IBBS-80FI-S11	80	80	11	400 - 900	3.5	5.4	3.8 - 4.8	3.4 - 4.4	1310 x 1230
13	IBBS-80F-S15	IBBS-80FI-S15	80	80	15	400 - 900	4.0	6.2	4.3 - 6.0	3.9 - 4.9	1310 x 1230

SINGLE/ALTERNATE OPERATION

ONE PUMP OPERATION IN A TWO-PUMP SYSTEM

Synchronous Speed 2950 rpm

No	TYPE		Suct. dia. (mm)	Disch. dia. (mm)	Motor output (kW)	Capacity Range (l/min)	Non Inverter		Inverter Operating Pressure Range (kgf/cm ²)	Start press selection range (kgf/cm ²)	Dimension (Length x Width) (mm)
							Start pressure (kgf/cm ²)	Stop pressure (kgf/cm ²)			
1	IBBS-50F-R1.5	IBBS-50FI-R1.5	50	50	1.5	100 - 250	1.2	2.5	1.5 - 2.2	1.0 - 1.5	1400 x 900
2	IBBS-50F-R2.2	IBBS-50FI-R2.2	50	50	2.2	100 - 250	1.8	3.2	2.1 - 2.8	1.6 - 2.0	1400 x 920
3	IBBS-50F-R3.7	IBBS-50FI-R3.7	50	50	3.7	100 - 350	2.5	4.4	2.5 - 4.1	2.4 - 3.0	1420 x 980
4	IBBS-50F-R5.5	IBBS-50FI-R5.5	50	50	5.5	100 - 350	3.0	5.7	3.6 - 5.2	2.8 - 3.8	1505 x 1050
5	IBBS-65F-R3.7	IBBS-65FI-R3.7	65	65	3.7	350 - 400	2.0	3.4	2.1 - 3.0	1.9 - 2.4	1455 x 1000
6	IBBS-65F-R5.5	IBBS-65FI-R5.5	65	65	5.5	350 - 400	2.6	4.2	3.0 - 4.1	2.5 - 3.2	1505 x 1070
7	IBBS-65F-R7.5	IBBS-65FI-R7.5	65	65	7.5	250 - 400	3.0	5.5	3.6 - 5.0	2.9 - 3.8	1505 x 1070
8	IBBS-65F-R11	IBBS-65FI-R11	65	65	11	250 - 400	5.0	7.5	5.0 - 6.3	4.8 - 6.0	1635 x 1230
9	IBBS-65F-R15	IBBS-65FI-R15	65	65	15	250 - 400	6.0	8.9	6.0 - 8.0	5.9 - 7.2	1635 x 1230
10	IBBS-80F-R5.5	IBBS-80FI-R5.5	80	80	5.5	400 - 900	1.5	3.5	1.7 - 3.0	1.4 - 2.4	1715 x 1070
11	IBBS-80F-R7.5	IBBS-80FI-R7.5	80	80	7.5	400 - 900	2.0	4.0	2.7 - 3.6	1.9 - 2.9	1715 x 1070
12	IBBS-80F-R11	IBBS-80FI-R11	80	80	11	400 - 900	3.5	5.4	3.8 - 4.8	3.4 - 4.4	1845 x 1230
13	IBBS-80F-R15	IBBS-80FI-R15	80	80	15	400 - 900	4.0	6.2	4.3 - 6.0	3.9 - 4.9	1845 x 1230

Note:

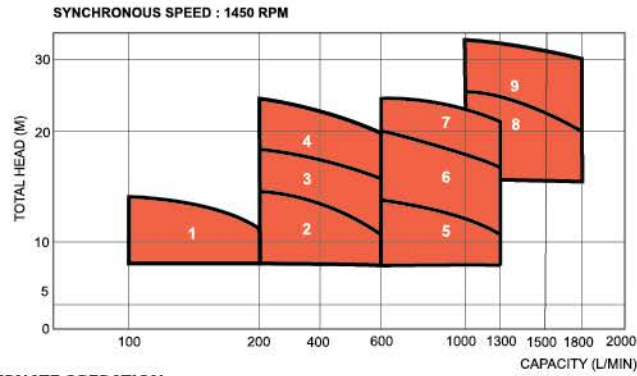
■ COMMON DATA

■ IBBS - 50F - S.75 = NON INVERTER

■ IBBS - 50FI - S.75 = INVERTER

All specifications are subject to change without notice

PARALLEL ALTERNATE OPERATION



PARALLEL/ALTERNATE OPERATION

TWO PUMPS OPERATION IN A TWO-PUMP SYSTEM

Synchronous Speed 1450 rpm

No	TYPE		Suct. dia. (mm)	Disch. dia. (mm)	Motor output (kW)	Capacity Range (l/min)	Non Inverter		Inverter Operating Pressure Range (kgf/cm ²)	Start press selection range (kgf/cm ²)	Dimension (Length x Width) (mm)
							Start pressure (kgf/cm ²)	Stop pressure (kgf/cm ²)			
1.	IBBS-50F-P7.5	IBBS-50FI-P7.5	50	65	2 x 0.75	100 - 200	0.8	1.4	0.8 - 1.3	0.6 - 0.9	1400 x 870
2.	IBBS-65F-P7.5	IBBS-65FI-P7.5	65	80	2 x 0.75	300 - 600	0.9	1.3	0.8 - 1.4	0.8 - 1.0	1625 x 890
3.	IBBS-65F-P1.5	IBBS-65FI-P1.5	65	80	2 x 1.5	300 - 600	1.3	1.9	1.2 - 1.6	1.2 - 1.4	1645 x 940
4.	IBBS-65F-P2.2	IBBS-65FI-P2.2	65	80	2 x 2.2	300 - 600	1.5	2.3	1.4 - 2.1	1.4 - 1.6	1645 x 980
5.	IBBS-80F-P1.5	IBBS-80FI-P1.5	80	100	2 x 1.5	800 - 1300	0.7	1.4	0.8 - 1.3	0.6 - 0.8	1645 x 940
6.	IBBS-80F-P2.2	IBBS-80FI-P2.2	80	100	2 x 2.2	800 - 1300	1.1	2.0	1.2 - 1.6	1.0 - 1.2	1645 x 980
7.	IBBS-80F-P3.7	IBBS-80FI-P3.7	80	100	2 x 3.7	800 - 1300	1.5	2.4	1.6 - 2.1	1.4 - 1.6	1655 x 1000
8.	IBBS-80F-P5.5	IBBS-80FI-P5.5	80	100	2 x 5.5	1000 - 1800	1.8	2.5	1.8 - 2.2	1.7 - 1.9	1715 x 1200
9.	IBBS-80F-P7.5	IBBS-80FI-P7.5	80	100	2 x 7.5	1000 - 1800	2.2	3.2	2.3 - 3.0	2.1 - 2.3	1715 x 1240

PARALLEL/ALTERNATE OPERATION

TWO PUMPS OPERATION IN A THREE-PUMP SYSTEM

Synchronous Speed 1450 rpm

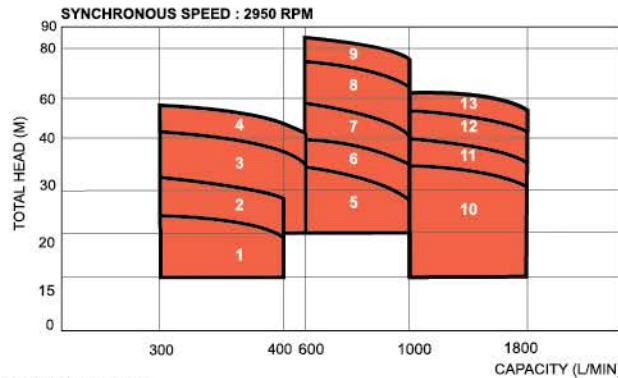
No	TYPE		Suct. dia. (mm)	Disch. dia. (mm)	Motor output (kW)	Capacity Range (l/min)	Non Inverter		Inverter Operating Pressure Range (kgf/cm ²)	Start press selection range (kgf/cm ²)	Dimension (Length x Width) (mm)
							Start pressure (kgf/cm ²)	Stop pressure (kgf/cm ²)			
1.	IBBS-50F-C.75	IBBS-50FI-C.75	50	65	2 x 0.75	100 - 200	0.8	1.4	0.8 - 1.3	0.6 - 0.9	1860 x 870
2.	IBBS-65F-C.75	IBBS-65FI-C.75	65	80	2 x 0.75	300 - 600	0.9	1.3	0.8 - 1.4	0.8 - 1.0	2060 x 890
3.	IBBS-65F-C1.5	IBBS-65FI-C1.5	65	80	2 x 1.5	300 - 600	1.3	1.9	1.2 - 1.6	1.2 - 1.4	2110 x 940
4.	IBBS-65F-C2.2	IBBS-65FI-C2.2	65	80	2 x 2.2	300 - 600	1.5	2.3	1.4 - 2.1	1.4 - 1.6	2110 x 980
5.	IBBS-80F-C1.5	IBBS-80FI-C1.5	80	100	2 x 1.5	800 - 1300	0.7	1.4	0.8 - 1.3	0.6 - 0.8	2110 x 940
6.	IBBS-80F-C2.2	IBBS-80FI-C2.2	80	100	2 x 2.2	800 - 1300	1.1	2.0	1.2 - 1.6	1.0 - 1.2	2110 x 980
7.	IBBS-80F-C3.7	IBBS-80FI-C3.7	80	100	2 x 3.7	800 - 1300	1.5	2.4	1.6 - 2.1	1.4 - 1.6	2290 x 1000
8.	IBBS-80F-C5.5	IBBS-80FI-C5.5	80	100	2 x 5.5	1000 - 1800	1.8	2.5	1.8 - 2.2	1.7 - 1.9	2290 x 1200
9.	IBBS-80F-C7.5	IBBS-80FI-C7.5	80	100	2 x 7.5	1000 - 1800	2.2	3.2	2.3 - 3.0	2.1 - 2.3	2290 x 1240

Note :

■ COMMON DATA

■ IBBS - 50F - 5.75 = NON INVERTER

■ IBBS - 50FI - 5.75 = INVERTER



PARALLEL/ALTERNATE OPERATION

TWO PUMPS OPERATION IN A TWO-PUMP SYSTEM

Synchronous Speed 2950 rpm

No	TYPE		Suct. dia. (mm)	Disch. dia. (mm)	Motor output (kW)	Capacity Range (l/min)	Non Inverter		Inverter Operating Pressure Range (kgf/cm ²)	Start press selection range (kgf/cm ²)	Dimension (Length x Width) (mm)
							Start pressure (kgf/cm ²)	Stop pressure (kgf/cm ²)			
1	IBBS-50F-P1.5	IBBS-50FI-P1.5	50	65	1.5	300 - 400	1.2	2.5	1.5 - 2.2	1.0 - 1.5	1420 x 900
2	IBBS-50F-P2.2	IBBS-50FI-P2.2	50	65	2.2	300 - 400	1.8	3.2	2.1 - 2.8	1.6 - 2.0	1420 x 920
3	IBBS-50F-P3.7	IBBS-50FI-P3.7	50	65	3.7	300 - 600	2.5	4.4	2.5 - 4.1	2.4 - 3.0	1620 x 980
4	IBBS-50F-P5.5	IBBS-50FI-P5.5	50	65	5.5	300 - 600	3.0	5.7	3.6 - 5.2	2.8 - 3.8	1715 x 1050
5	IBBS-65F-P3.7	IBBS-65FI-P3.7	65	80	3.7	600 - 1000	2.0	3.4	2.1 - 3.0	1.9 - 2.4	1665 x 1000
6	IBBS-65F-P5.5	IBBS-65FI-P5.5	65	80	5.5	600 - 1000	2.6	4.2	3.0 - 4.1	2.5 - 3.2	1715 x 1070
7	IBBS-65F-P7.5	IBBS-65FI-P7.5	65	80	7.5	600 - 1000	3.0	5.5	3.6 - 5.0	2.9 - 3.8	1715 x 1070
8	IBBS-65F-P11	IBBS-65FI-P11	65	80	11	600 - 1000	5.0	7.5	5.0 - 6.3	4.8 - 6.0	1845 x 1230
9	IBBS-65F-P15	IBBS-65FI-P15	65	80	15	600 - 1000	6.0	8.9	6.0 - 8.0	5.9 - 7.2	1845 x 1230
10	IBBS-80F-P5.5	IBBS-80FI-P5.5	80	100	5.5	1000 - 1800	1.5	3.5	1.7 - 3.0	1.4 - 2.4	1715 x 1070
11	IBBS-80F-P7.5	IBBS-80FI-P7.5	80	100	7.5	1000 - 1800	2.0	4.0	2.7 - 3.6	1.9 - 2.9	1715 x 1070
12	IBBS-80F-P11	IBBS-80FI-P11	80	100	11	1000 - 1800	3.5	5.4	3.8 - 4.8	3.4 - 4.4	1845 x 1230
13	IBBS-80F-P15	IBBS-80FI-P15	80	100	15	1000 - 1800	4.0	6.2	4.3 - 6.0	3.9 - 4.9	1845 x 1230

PARALLEL/ALTERNATE OPERATION

TWO PUMPS OPERATION IN A THREE-PUMP SYSTEM

Synchronous Speed 2950 rpm

No	TYPE		Suct. dia. (mm)	Disch. dia. (mm)	Motor output (kW)	Capacity Range (l/min)	Non Inverter		Inverter Operating Pressure Range (kgf/cm ²)	Start press selection range (kgf/cm ²)	Dimension (Length x Width) (mm)
							Start pressure (kgf/cm ²)	Stop pressure (kgf/cm ²)			
1	IBBS-50F-C1.5	IBBS-50FI-C1.5	50	65	1.5	300 - 400	1.2	2.5	1.5 - 2.2	1.0 - 1.5	1860 x 900
2	IBBS-50F-C2.2	IBBS-50FI-C2.2	50	65	2.2	300 - 400	1.8	3.2	2.1 - 2.8	1.6 - 2.0	1860 x 920
3	IBBS-50F-C3.7	IBBS-50FI-C3.7	50	65	3.7	300 - 600	2.5	4.4	2.5 - 4.1	2.4 - 3.0	1990 x 980
4	IBBS-50F-C5.5	IBBS-50FI-C5.5	50	65	5.5	300 - 600	3.0	5.7	3.6 - 5.2	2.8 - 3.8	2110 x 1050
5	IBBS-65F-C3.7	IBBS-65FI-C3.7	65	80	3.7	600 - 1000	2.0	3.4	2.1 - 3.0	1.9 - 2.4	2060 x 1000
6	IBBS-65F-C5.5	IBBS-65FI-C5.5	65	80	5.5	600 - 1000	2.6	4.2	3.0 - 4.1	2.5 - 3.2	2110 x 1070
7	IBBS-65F-C7.5	IBBS-65FI-C7.5	65	80	7.5	600 - 1000	3.0	5.5	3.6 - 5.0	2.9 - 3.8	2110 x 1070
8	IBBS-65F-C11	IBBS-65FI-C11	65	80	11	600 - 1000	5.0	7.5	5.0 - 6.3	4.8 - 6.0	2290 x 1230
9	IBBS-65F-C15	IBBS-65FI-C15	65	80	15	600 - 1000	6.0	8.9	6.0 - 8.0	5.9 - 7.2	2290 x 1230
10	IBBS-80F-C5.5	IBBS-80FI-C5.5	80	100	5.5	1000 - 1800	1.5	3.5	1.7 - 3.0	1.4 - 2.4	2110 x 1070
11	IBBS-80F-C7.5	IBBS-80FI-C7.5	80	100	7.5	1000 - 1800	2.0	4.0	2.7 - 3.6	1.9 - 2.9	2110 x 1070
12	IBBS-80F-C11	IBBS-80FI-C11	80	100	11	1000 - 1800	3.5	5.4	3.8 - 4.8	3.4 - 4.4	2290 x 1230
13	IBBS-80F-C15	IBBS-80FI-C15	80	100	15	1000 - 1800	4.0	6.2	4.3 - 6.0	3.9 - 4.9	2290 x 1230

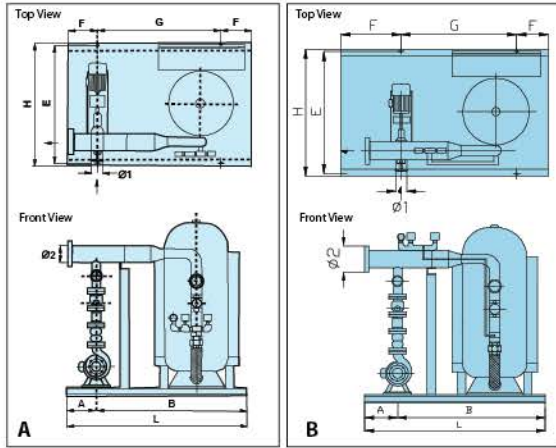
Note :

■ COMMON DATA

■ IBBS - 50F - 5.75 = NON INVERTER

■ IBBS - 50FI - 5.75 = INVERTER

DIMENSIONS TABLE



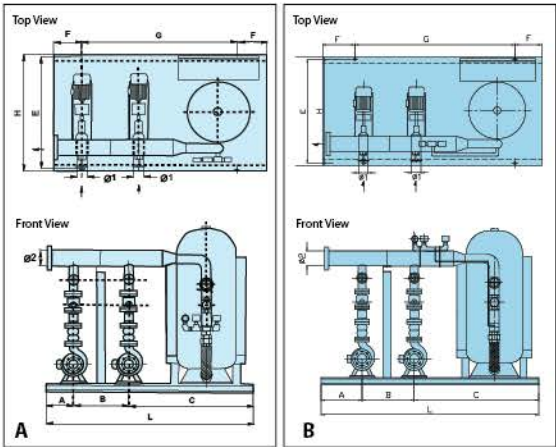
SINGLE OPERATION

Synchronous Speed 1450 rpm

MODEL	kW	Ø1	Ø2	A	B	L	G	F	E	H
IBBS-50F-S.75 IBBS-50FI-S.75	0.75	50	50	210	750	960	660	150	840	870
IBBS-65F-S.75 IBBS-65FI-S.75	0.75	65	65	210	750	960	660	150	860	890
IBBS-65F-S1.5 IBBS-65FI-S1.5	1.5	65	65	230	750	980	680	150	910	940
IBBS-65F-S2.2 IBBS-65FI-S2.2	2.2	65	65	230	750	980	680	150	950	980
IBBS-80F-S1.5 IBBS-80FI-S1.5	1.5	80	80	230	950	1180	880	150	910	940
IBBS-80F-S2.2 IBBS-80FI-S2.2	2.2	80	80	230	950	1180	880	150	950	980
IBBS-80F-S3.7 IBBS-80FI-S3.7	3.7	80	80	240	950	1190	890	150	970	1000
IBBS-80F-S5.5 IBBS-80FI-S5.5	5.5	80	80	280	960	1240	940	150	1170	1200
IBBS-80F-S7.5 IBBS-80FI-S7.5	7.5	80	80	280	960	1240	940	150	1210	1240

1A

Unit : mm



SINGLE / ALTERNATE OPERATION

ONE PUMP OPERATION IN A TWO-PUMP SYSTEM

Synchronous Speed 1450 rpm

MODEL	kW	Ø1	Ø2	A	B	C	L	G	F	E	H
IBBS-50F-R.75 IBBS-50FI-R.75	0.75	50	50	210	440	750	1400	1100	150	840	870
IBBS-65F-R.75 IBBS-65FI-R.75	0.75	65	65	210	465	750	1425	1125	150	860	890
IBBS-65F-R1.5 IBBS-65FI-R1.5	1.5	65	65	230	465	750	1445	1145	150	910	940
IBBS-65F-R2.2 IBBS-65FI-R2.2	2.2	65	65	230	465	750	1445	1145	150	950	980
IBBS-80F-R1.5 IBBS-80FI-R1.5	1.5	80	80	230	465	950	1645	1345	150	910	940
IBBS-80F-R2.2 IBBS-80FI-R2.2	2.2	80	80	230	465	950	1645	1345	150	950	980
IBBS-80F-R3.7 IBBS-80FI-R3.7	3.7	80	80	240	465	950	1655	1355	150	970	1000
IBBS-80F-R5.5 IBBS-80FI-R5.5	5.5	80	80	280	475	960	1715	1415	150	1170	1200
IBBS-80F-R7.5 IBBS-80FI-R7.5	7.5	80	80	280	475	960	1715	1415	150	1210	1240

2A

Unit : mm

PARALLEL/ALTERNATE OPERATION

TWO PUMPS OPERATION IN A TWO-PUMP SYSTEM

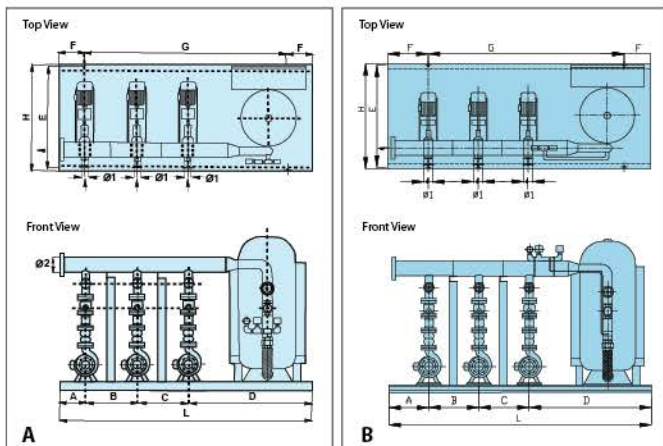
Synchronous Speed 1450 rpm

MODEL	kW	Ø1	Ø2	A	B	C	L	G	F	E	H
IBBS-50F-P.75 IBBS-50FI-P.75	0.75	50	65	210	440	750	1400	1100	150	840	870
IBBS-65F-P.75 IBBS-65FI-P.75	0.75	65	80	210	465	950	1625	1325	150	860	890
IBBS-65F-P1.5 IBBS-65FI-P1.5	1.5	65	80	230	465	950	1645	1345	150	910	940
IBBS-65F-P2.2 IBBS-65FI-P2.2	2.2	65	80	230	465	950	1645	1345	150	950	980
IBBS-80F-P1.5 IBBS-80FI-P1.5	1.5	80	100	230	465	950	1645	1345	150	910	940
IBBS-80F-P2.2 IBBS-80FI-P2.2	2.2	80	100	230	465	950	1645	1345	150	950	980
IBBS-80F-P3.7 IBBS-80FI-P3.7	3.7	80	100	240	465	950	1655	1355	150	970	1000
IBBS-80F-P5.5 IBBS-80FI-P5.5	5.5	80	100	280	475	960	1715	1415	150	1170	1200
IBBS-80F-P7.5 IBBS-80FI-P7.5	7.5	80	100	280	475	960	1715	1415	150	1210	1240

3A

Unit : mm

Note :
A : IBBS NON VARIABLE SPEED DRIVE
B : IBBS WITH VARIABLE SPEED DRIVE



PARALLEL/ALTERNATE OPERATION

TWO PUMPS OPERATION IN A THREE-PUMP SYSTEM

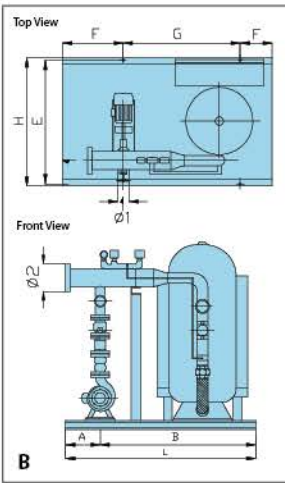
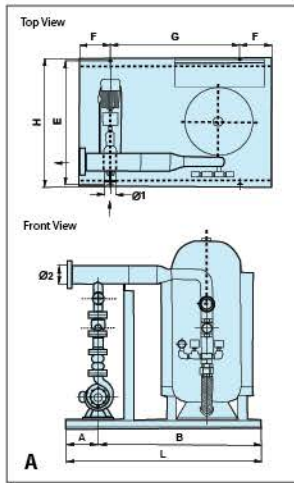
Synchronous Speed 1450 rpm

MODEL	kW	Ø1	Ø2	A	B	C
IBBS-50F-C.75 IBBS-50FI-C.75	0.75	50	65	210	440	440
IBBS-65F-C.75 IBBS-65FI-C.75	0.75	65	80	210	465	465
IBBS-65F-C1.5 IBBS-65FI-C1.5	1.5	65	80	230	465	465
IBBS-65F-C2.2 IBBS-65FI-C2.2	2.2	65	80	230	465	465
IBBS-80F-C1.5 IBBS-80FI-C1.5	1.5	80	100	230	465	465
IBBS-80F-C2.2 IBBS-80FI-C2.2	2.2	80	100	230	465	465
IBBS-80F-C3.7 IBBS-80FI-C3.7	3.7	80	100	240	465	465
IBBS-80F-C5.5 IBBS-80FI-C5.5	5.5	80	100	280	475	475
IBBS-80F-C7.5 IBBS-80FI-C7.5	7.5	80	100	280	475	475

MODEL	kW	D	L	G	F	E	H
IBBS-50F-C.75 IBBS-50FI-C.75	0.75	750	1860	1560	150	840	870
IBBS-65F-C.75 IBBS-65FI-C.75	0.75	950	2060	1760	150	860	890
IBBS-65F-C1.5 IBBS-65FI-C1.5	1.5	950	2110	1810	150	910	940
IBBS-65F-C2.2 IBBS-65FI-C2.2	2.2	950	2110	1810	150	950	980
IBBS-80F-C1.5 IBBS-80FI-C1.5	1.5	950	2110	1810	150	910	940
IBBS-80F-C2.2 IBBS-80FI-C2.2	2.2	950	2110	1810	150	950	980
IBBS-80F-C3.7 IBBS-80FI-C3.7	3.7	950	2290	1990	150	970	1000
IBBS-80F-C5.5 IBBS-80FI-C5.5	5.5	960	2290	1990	150	1170	1200
IBBS-80F-C7.5 IBBS-80FI-C7.5	7.5	960	2290	1990	150	1210	1240

Note :
A : IBBS NON VARIABLE SPEED DRIVE
B : IBBS WITH VARIABLE SPEED DRIVE

DIMENSIONS TABLE



SINGLE OPERATION

Synchronous Speed 2950 rpm

MODEL	kW	Ø1	Ø2	A	B	L	G	F	E	H
IBBS-50F-S1.5	1.5	50	50	230	730	960	660	150	860	900
IBBS-50F-S2.2	2.2	50	50	230	730	960	660	150	890	920
IBBS-50F-S3.7	3.7	50	50	250	730	980	680	150	950	980
IBBS-50F-S5.5	5.5	50	50	280	750	1030	730	150	1010	1050
IBBS-65F-S3.7	3.7	65	65	250	740	990	690	150	970	1000
IBBS-65F-S5.5	5.5	65	65	280	750	1030	730	150	1030	1070
IBBS-65F-S7.5	7.5	65	65	280	750	1030	730	150	1030	1070
IBBS-65F-S11	11	65	65	320	780	1100	800	150	1190	1230
IBBS-65F-S15	15	65	65	320	780	1100	800	150	1190	1230
IBBS-80F-S5.5	5.5	80	80	280	960	1240	940	150	1030	1070
IBBS-80F-S7.5	7.5	80	80	280	960	1240	940	150	1030	1070
IBBS-80F-S11	11	80	80	320	990	1310	1100	150	1190	1230
IBBS-80F-S15	15	80	80	320	990	1310	1100	150	1190	1230

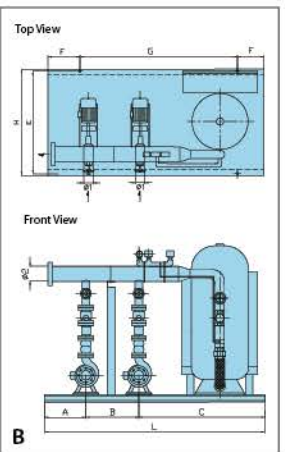
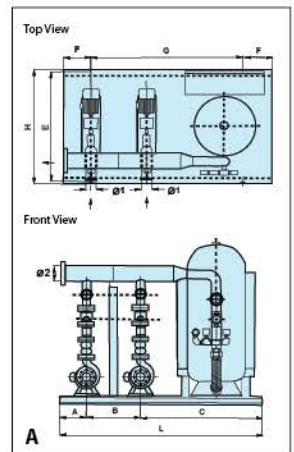
1B

Unit : mm

Note :

A : IBBS NON VARIABLE SPEED DRIVE

B : IBBS WITH VARIABLE SPEED DRIVE



SINGLE / ALTERNATE OPERATION

ONE PUMP OPERATION IN A TWO-PUMP SYSTEM

Synchronous Speed 2950 rpm

MODEL	kW	Ø1	Ø2	A	B	C	L	G	F	E	H
IBBS-50F-R1.5	1.5	50	50	230	440	730	1400	1100	150	860	900
IBBS-50F-R2.2	2.2	50	50	230	440	730	1400	1100	150	890	920
IBBS-50F-R3.7	3.7	50	50	250	440	730	1420	1120	150	950	980
IBBS-50F-R5.5	5.5	50	50	280	475	750	1505	1205	150	1010	1050
IBBS-65F-R3.7	3.7	65	65	250	465	740	1455	1155	150	970	1000
IBBS-65F-R5.5	5.5	65	65	280	475	750	1505	1205	150	1030	1070
IBBS-65F-R7.5	7.5	65	65	280	475	750	1505	1205	150	1030	1070
IBBS-65F-R11	11	65	65	320	535	780	1635	1355	150	1190	1230
IBBS-65F-R15	15	65	65	320	535	780	1635	1355	150	1190	1230
IBBS-80F-R5.5	5.5	80	80	280	475	960	1715	1415	150	1030	1070
IBBS-80F-R7.5	7.5	80	80	280	475	960	1715	1415	150	1030	1070
IBBS-80F-R11	11	80	80	320	535	990	1845	1545	150	1190	1230
IBBS-80F-R15	15	80	80	320	535	990	1845	1545	150	1190	1230

2B

Unit : mm

PARALLEL/ALTERNATE OPERATION

TWO PUMPS OPERATION IN A TWO-PUMP SYSTEM

Synchronous Speed 2950 rpm

MODEL	kW	Ø1	Ø2	A	B	C	L	G	F	E	H
IBBS-50F-P1.5	1.5	50	65	230	440	750	1420	1120	150	860	900
IBBS-50F-P2.2	2.2	50	65	230	440	750	1420	1120	150	890	920
IBBS-50F-P3.7	3.7	50	65	250	440	940	1630	1330	150	950	980
IBBS-50F-P5.5	5.5	50	65	280	475	960	1715	1415	150	1010	1050
IBBS-65F-P3.7	3.7	65	80	250	465	950	1665	1365	150	970	1000
IBBS-65F-P5.5	5.5	65	80	280	475	960	1715	1415	150	1030	1070
IBBS-65F-P7.5	7.5	65	80	280	475	960	1715	1415	150	1030	1070
IBBS-65F-P11	11	65	80	320	535	990	1845	1545	150	1190	1230
IBBS-65F-P15	15	65	80	320	535	990	1845	1545	150	1190	1230
IBBS-80F-P5.5	5.5	80	100	280	475	960	1715	1415	150	1030	1070
IBBS-80F-P7.5	7.5	80	100	280	475	960	1715	1415	150	1030	1070
IBBS-80F-P11	11	80	100	320	535	990	1845	1545	150	1190	1230
IBBS-80F-P15	15	80	100	320	535	990	1845	1545	150	1190	1230

3B

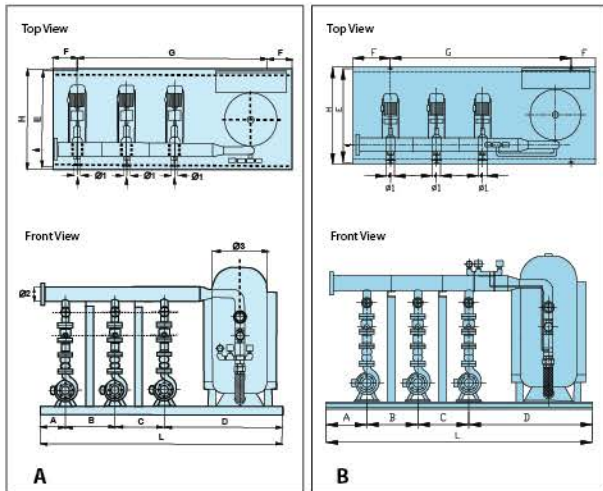
Unit : mm

Note :

A : IBBS NON VARIABLE SPEED DRIVE

B : IBBS WITH VARIABLE SPEED DRIVE

DIMENSIONS TABLE



PARALLEL/ALTERNATE OPERATION

TWO PUMPS OPERATION IN A THREE-PUMPS SYSTEM

Synchronous Speed 2950 rpm

MODEL	kW	Ø1	Ø2	A	B	C	D	L	G	F	E	H
IBBS-50F-C1.5	1.5	50	65	230	440	440	750	1860	1560	150	860	900
IBBS-50F-C2.2	2.2	50	65	230	440	440	750	1860	1560	150	890	920
IBBS-50F-C3.7	3.7	50	65	250	440	440	860	1990	1690	150	950	980
IBBS-50F-C5.5	5.5	50	65	280	475	475	880	2110	1810	150	1010	1050
IBBS-65F-C3.7	3.7	65	80	250	465	465	880	2060	1760	150	970	1000
IBBS-65F-C5.5	5.5	65	80	280	475	475	880	2110	1810	150	1030	1070
IBBS-65F-C7.5	7.5	65	80	280	475	475	880	2110	1810	150	1030	1070
IBBS-65F-C11	11	65	80	320	535	535	900	2290	1990	150	1190	1230
IBBS-65F-C15	15	65	80	320	535	535	900	2290	1990	150	1190	1230
IBBS-80F-C5.5	5.5	80	100	280	475	475	880	2110	1810	150	1030	1070
IBBS-80F-C7.5	7.5	80	100	280	475	475	880	2110	1810	150	1030	1070
IBBS-80F-C11	11	80	100	320	535	535	900	2290	1990	150	1190	1230
IBBS-80F-C15	15	80	100	320	535	535	900	2290	1990	150	1190	1230

4B

Unit : mm

Note:

A : IBBS NON VARIABLE SPEED DRIVE

B : IBBS WITH VARIABLE SPEED DRIVE

All specifications are subject to change without notice



ISO 9001:2015



21ACM11852Q

ISO 14001:2015



21ACM11852R

ISO 45001:2018



21ACM11852O



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