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Product appearances and specifications in this catalog are subject to change with or without notice, as Hitachi continues to develop the latest technologies and products for its customers.

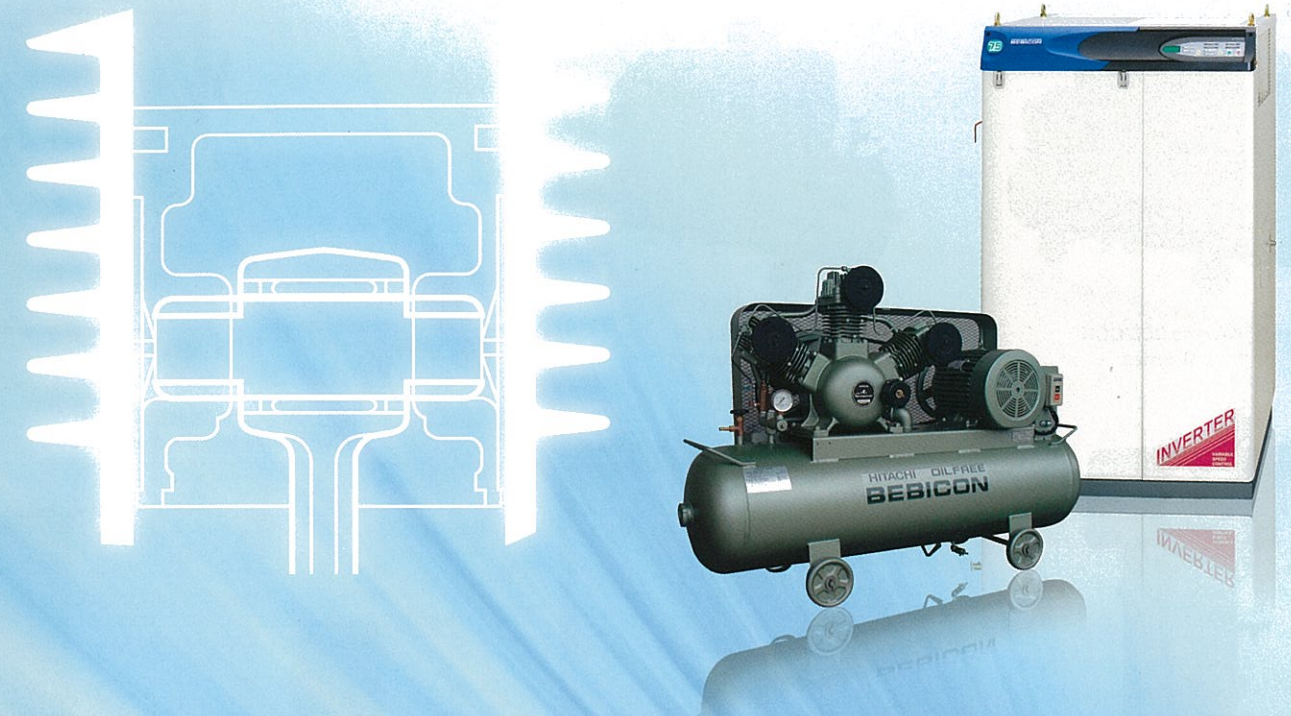
Hitachi Industrial Equipment Systems Co., Ltd.

For further information, please contact your nearest sales representative.

HITACHI BEBICON COMPRESSOR

Innovation, Performance and Reliability

HITACHI
Inspire the Next



BEBICON®

GENERAL CATALOG



TWO MILLION accumulative shipments High Quality and High Reliability with Long History – HITACHI BEBICON®



Oil-free BEBICON G-series



BEBICON V-series



Oil-free Booster BEBICON Package Oil-free Booster BEBICON



Vertical Tank Mounted BEBICON



Package BEBICON Package Oil-free BEBICON



Oil-free Scroll Air Compressor

HITACHI is one of the oldest Japanese air compressor manufacturers. **BEBICON** debuted in 1946 as registered trademark of HITACHI small air compressor.

BEBICON is used in various areas of industry, such as engineering and metalworking industry, mining industry and building industry.

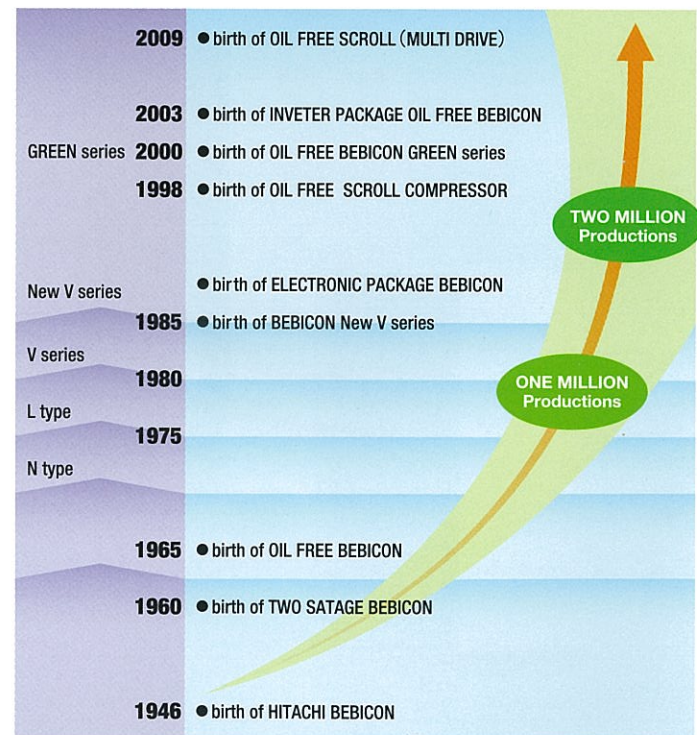
HITACHI has achieved **ONE Million** product shipments by 1979 and **TWO Million** by 1994.

HITACHI has introduced compressors of Oil-free type, Package type and Scroll type, always one-step ahead of the customers' needs.

HITACHI developed and introduced **INVERTER PACKAGE OIL FREE BEBICON** and **Oil-free Booster BEBICON** to meet customers' need of energy-saving and environment protection.

HITACHI believes that our **BEBICON** compressor can satisfy your various needs and help you grow your business.

History of HITACHI BEBICON®



List of Model

Rated Output (kW)	Model Type	Reciprocating						Scroll	
		Oil-free BEBICON		Oil-Lubricated BEBICON			Oil-free Booster BEBICON		Oil-free Scroll Air Compressor
		Horizontal Tank	Package Type	Horizontal Tank	Vertical Tank	Package Type	Tank Mount	Package Type	Package Type
0.4		●							
0.75		●		●		●			
1.5		●	●	●		●	●		●
2.2		●	●	●		●			●
3.7		●	●	●	■	●	●	●	●
5.5		●	●	●	■	●			●
7.5		●	●	●	■	●	■		●
11		●	●	●		●	●	●	●
15		●	●	●		●	●	●	●

■ Auto Unloader Control ONLY
■ Pressure Switch Control ONLY
■ Auto Unloader Control/Pressure Switch Control
■ PUSC Control (CPU Controlled)
■ Inverter Drive Control
■ Multi-Drive Control
■ Medium Pressure (1.23/1.37MPa) Model Available

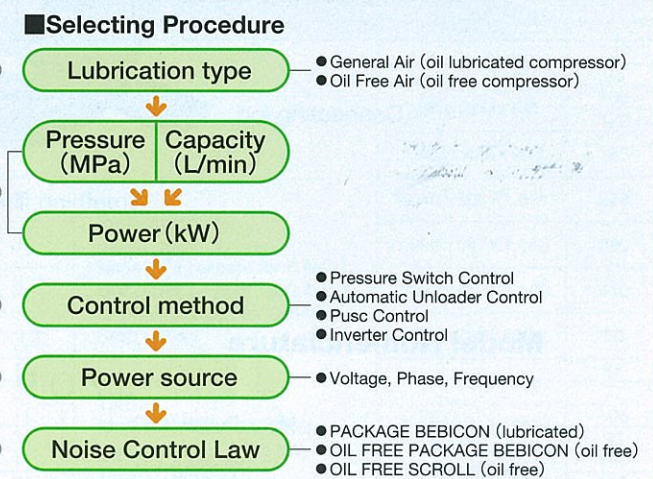
Note: 1. Model name in this catalog (e.g. 3.7OP-9.5G5/6A) indicates EITHER 50Hz OR 60Hz models (e.g. either 3.7OP-9.5G5A or 3.7OP-9.5G6A)
 2. Pressure in this catalog is indicated as gauge pressure.

Control Method

Auto Unloader Control	Automatically switch between Load/Unload operation by the pressure adjustment valve
Pressure Switch Control	Automatically Start/Stop the operation of compressor in order to maintain certain range of pressure. Energy-saving is possible when compressed air is NOT needed, since motor stops.
PUSC Control	PUSC (Pressure Unloader Select Control) Automatically select between Pressure Switch Type and Auto Unloader Type to respond to the need of compressed air under the control of microcomputer
Inverter Control	Pressure can be maintained between certain levels under inverter drive. Energy-saving can be obtained.
Multi-Drive Control	Automatically control the number of compressor heads in operation to respond to the need of compressed air. Energy-saving can be obtained.

How to choose a BEBICON compressor

- Select type of compressor according to your requirement.
- Select necessary pressure and air capacity.
As reference, necessary pressure should be 0.2MPa higher than the working pressure in need, and necessary air capacity should be 10 to 20% more than the one in need. (Air capacity indicated in this catalog is value at max discharge pressure and converted at its inlet condition)
Select rated output based on the selected pressure and capacity.
- Select appropriate control method.
- Confirm the details of power source (Voltage / Phase / Frequency)
- Confirm if there is any regulation on noise control.

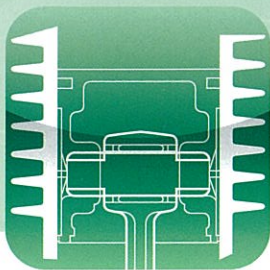


Note: Make sure to confirm the frequency of power source when placing an order. Please notice that oil may emulsify in case of over intermittent operation for oil-lubricated type. The above is for your reference. For specific model selection, contact your nearest dealer or Hitachi local representative office.

BEBICON OIL

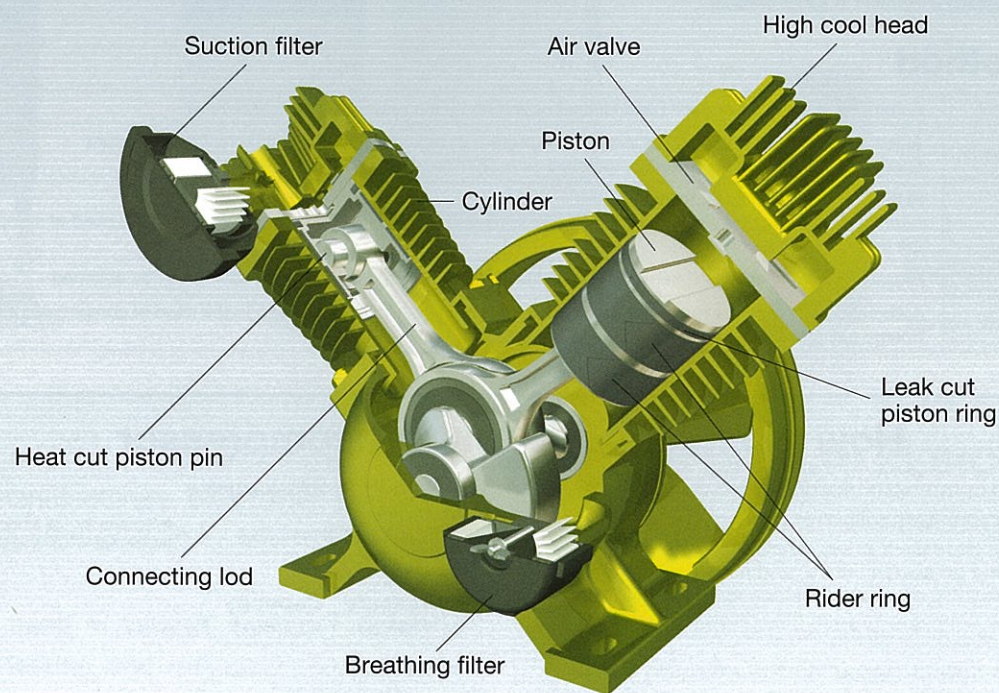
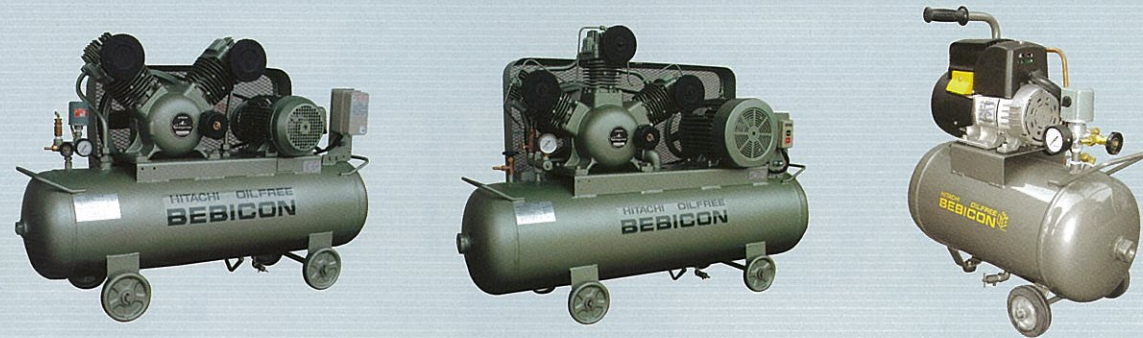
BEBICON OIL is high performance oil which is specially developed for BEBICON compressors. To maximize Energy-Saving effects, prevent performance degradation and prevent BEBICON compressors from accidents, it is necessary to use BEBICON OIL as the ONLY lubricating oil during maintenance.



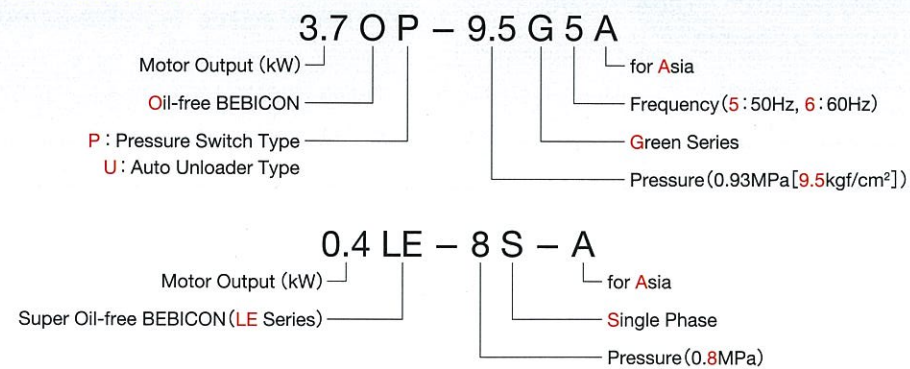


Oil-free BEBICON (0.4–11kW)

Steady Supply of Oil-free, Pure Air



Model Nomenclature



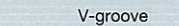
Features Oil-free Air Supply, High Performance, Durable Design, Long Overhaul Cycle

High Cooling Head

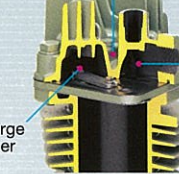
High Cooling Head with large aluminum alloy ventilated rib improves heat radiation and air capacity. In addition, **V-groove** located between discharge and suction chamber reduces the heat transfer from **discharge chamber** to **suction chamber** and improves air capacity.



HIGH COOLING HEAD



V-groove



Discharge chamber

Suction chamber

Lead Air Valve

Lead Air Valve of I-shaped stainless steel suction air valve improves air capacity and improves durability against rusting.



Top Side

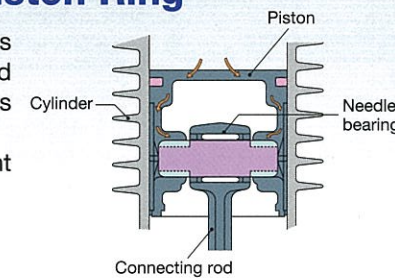


Back Side

Heat Cut Piston Pin & Leak Cut Piston Ring

Heat Cut Piston Pin of heat-insulating material reduces heat transfer from the **piston** to the **needle bearing** and keeps bearing in relatively low temperature and improves the reliability.

Leak Cut Piston Ring of specially shaped abutment joint reduces air leakage and improves air capacity.



Cylinder

Piston

Needle bearing

Connecting rod



LEAK CUT PISTON RING

HEAT CUT PISTON PIN

Specifications (Horizontal Tank Mount Type)

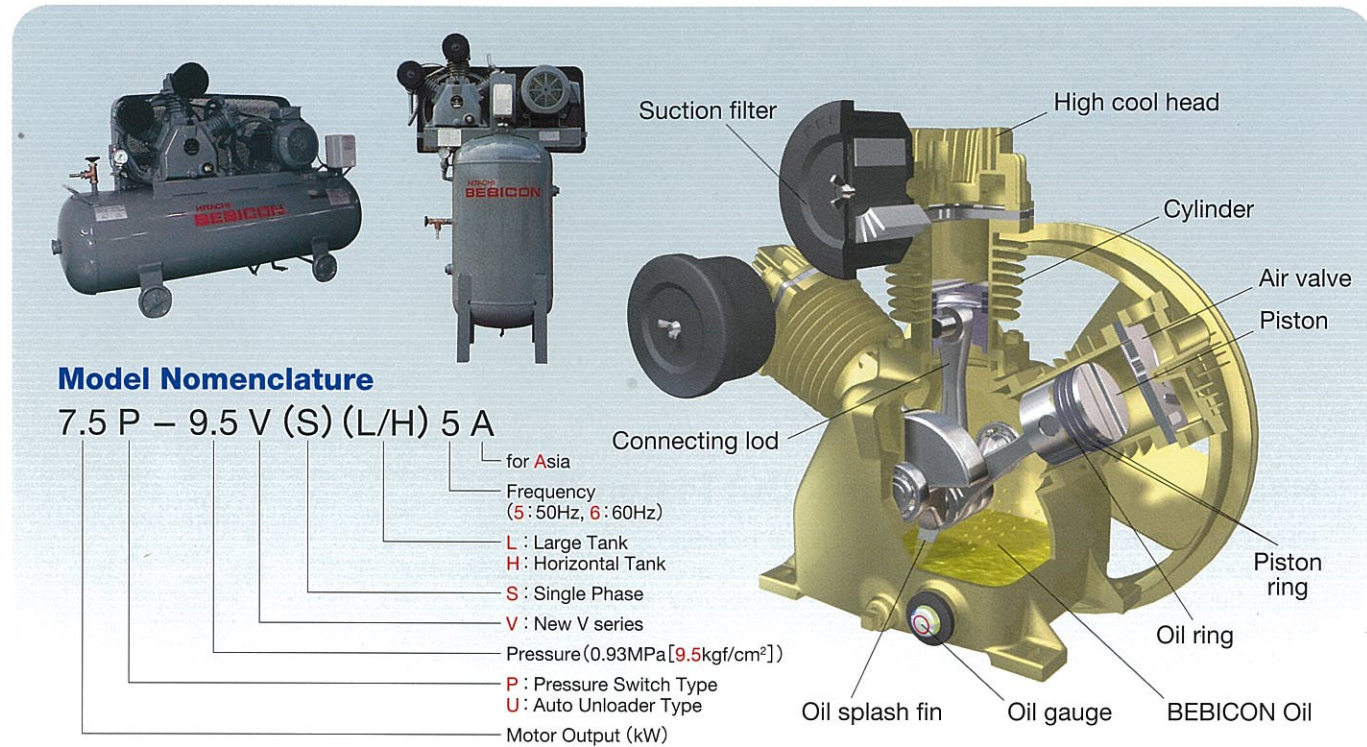
Control Method	Motor Output	Model	Maximum Pressure	FAD at Maximum Pressure	Air tank Volume	Power Source	Standard Accessories	External Dimensions (W×D×H)	Weight		
	kW									MPa	L/min
Auto unloader Control	1.5	1.5OU-9.5GS5/6A	0.93	165	80	1	Pressure gauge, Safety valve, Hose joint (except for 0.4kW), Belt cover (except for 0.4kW), Silencer (except for 0.4kW), Stop valve	1,155×393×909	105		
		1.5OU-9.5G5/6A								93	
	2.2	2.2OU-9.5GS5/6A		240	90	1			3	1,283×403×841	139
		2.2OU-9.5G5/6A									
	3.7	3.7OU-9.5G5/6A		405	125	3			1,477×424×909	163	
	5.5	5.5OU-9.5G5/6A		605	150	3			1,518×502×1,011	208	
7.5	7.5OU-8.5GA5/6A	875	230	3	1,690×547×1,158	280					
11	11OU-8.5GA5/6A	1,280	260	3	2,028×613×1,220	410					
Pressure-switch Control	0.4	0.4LE-8S-A	0.8	42	20	1 or 2	Air out let 1/4B×1 for 0.4, 0.75, 1.5 & 2.2 kW, 3/8B×1 for 3.7 & 5.5 kW, 1/4B×1, 3/4B×1 for 7.5 & 11 kW	554×296×608	30		
	0.75	0.75OP-9.5GS5/6A	0.93	75	80	1		1,155×380×850	84		
		0.75OP-9.5G5/6A						77			
	1.5	1.5OP-9.5GS5/6A	165	80	1	3		1,155×393×897	105		
		1.5OP-9.5G5/6A								93	
	2.2	2.2OP-9.5GS5/6A	240	90	1	3		1,283×403×824	139		
		2.2OP-9.5G5/6A								122	
	3.7	3.7OP-9.5G5/6A	405	125	3	1,477×424×880		163			
	5.5	5.5OP-9.5G5/6A	605	150	3	1,518×502×998		208			
	7.5	7.5OP-8.5GA5/6A	875	230	3	1,690×547×1,158		280			
11	11OP-8.5GA5/6A	1,230	260	3	2,028×613×1,220	410					

Note: 1. Use the compressor at a place where ambient temperature is 0 to 40°C.
 2. The noise level shown are those obtained at a distance of 1.5m from the front of the compressor operating under full load in a reverberation-free room.
 3. The capacity of compressed air is the amount of air discharged under the maximum pressure converted in terms air suction (under the atmospheric pressure).
 4. These compressor series is not available for direct use of breathing air.

Oil-Lubricated BEBICON (0.75–15kW)

Easy-to-Use and Durable New V series

Features High Performance, High Reliability, Compact & Light, Easy-to-Maintain



Model Nomenclature

7.5 P – 9.5 V (S) (L/H) 5 A

- for Asia
- Frequency (5: 50Hz, 6: 60Hz)
- L: Large Tank
- H: Horizontal Tank
- S: Single Phase
- V: New V series
- Pressure (0.93MPa [9.5kgf/cm²])
- P: Pressure Switch Type
- U: Auto Unloader Type
- Motor Output (kW)

Specifications (Horizontal & Vertical Tank Mount Type)

Tank Type	Control Method	Motor Output kW	Model	Maximum Pressure MPa	FAD at Maximum Pressure L/min	Air tank Volume L	Power Source PH	Standard Accessories	External Dimensions (W×D×H) mm	Weight kg	
Horizontal	Auto unloader Control	0.75	0.75U-9.5VS5/6A	0.93	80	62	1	Pressure gauge, Safety valve, Hose joint, V-belt, Belt cover, Silencer Stop valve	923×376×818	79	
		1.5	0.75U-9.5V5/6A				3				
		1.5	1.5U-9.5VS5/6A				1				
		1.5	1.5U-9.5V5/6A				3				
		2.2	2.2U-9.5VS5/6A				1				
		2.2	2.2U-9.5V5/6A				3				
		3.7	3.7U-9.5V5/6A				3				
	Pressure-switch Control	0.75	0.75P-9.5VS5/6A		1	Air Outlet 1/4B×1 for 0.75 & 1.5 kW, 1/4B×2 for 2.2 kW, 1/4B×1 & 3/8B×1 for 3.7 & 5.5 kW, 1/4B×1, 3/4B×1 for 7.5 & 11 kW 1B×1 for 15 kW	923×376×803	79			
		1.5	0.75P-9.5V5/6A		3						
		1.5	1.5P-9.5VS5/6A		1						
		1.5	1.5P-9.5V5/6A		3						
		2.2	2.2P-9.5VS5/6A		1						
		2.2	2.2P-9.5V5/6A		3						
		3.7	3.7P-9.5V5/6A		3						
Vertical	Pressure-switch Control	0.75	0.75P-9.5VL5/6A	1.37	80	92	3	Pressure gauge, Safety valve, Hose joint, V-belt, Belt cover, Silencer Stop valve	1,690×525×799	187	
		1.5	0.75P-9.5V5/6A								3
		1.5	1.5P-9.5VL5/6A								1
		1.5	1.5P-9.5V5/6A								3
		2.2	2.2P-9.5VL5/6A								1
		2.2	2.2P-9.5V5/6A								3
		3.7	3.7P-9.5VL5/6A								3
Vertical	Pressure-switch Control	3.7	3.7P-12.5(14)V5/6A	1.23 (1.37)	400	300	3	Air Outlet 3/8B×1 for 3.7 & 5.5 kW 3/4B×1 for 7.5 kW	1,025×611×1,734	317	
		5.5	5.5P-12.5(14)V5/6A								3
		7.5	7.5P-12.5(14)V5/6A								3
		7.5	7.5P-12.5(14)V5/6A								3

- Use the compressor at a place where ambient temperature is 0 to 40°C.
- The noise level shown are those obtained at a distance of 1.5m from the front of the compressor operating under full load in a reverberation-free room.
- The capacity of compressed air is the amount of air discharged under the maximum pressure converted in terms air suction (under the atmospheric pressure).
- These compressor series is not available for direct use of breathing air.

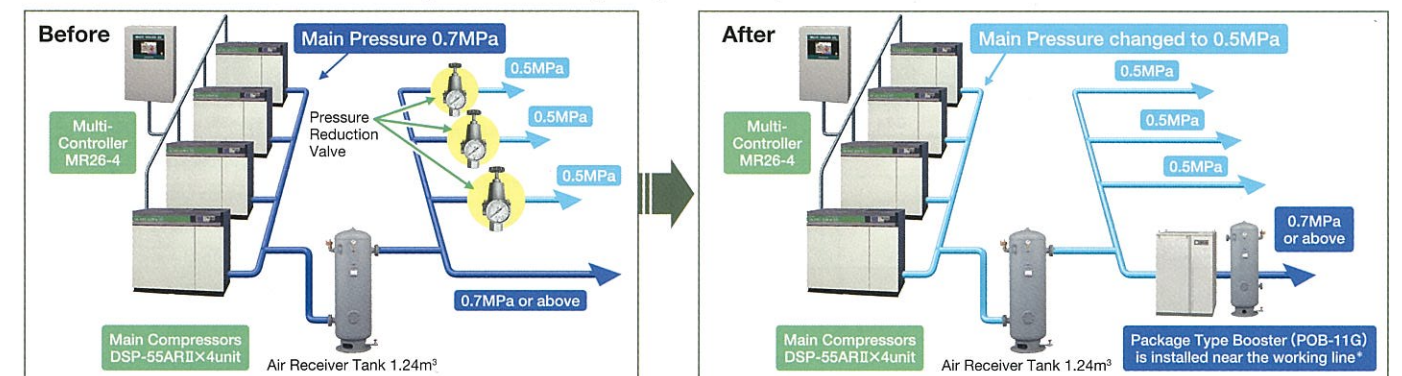
Oil-free Booster BEBICON (1.5–11kW)

Energy-Saving and Improvement of Specific Energy Consumption is Possible by Local Pressurerising



Energy-Saving Simulation after replacing pressure reduction valves with Oil-free Booster BEBICON

- Calculation Conditions**
- DSP-55kW×4 units controlled by Multi-Controller, Operation Rate 78%
 - Discharge Pressure 0.7MPa, average use of compressed air is 20m³/min



* In case that oil is contained in the suction air, air filter and micron mist filter have to be installed before suction import.

Effect

Item · Unit	Before	After
Power Consumption* (MWh/year)	Main Screw Compressor	1,147
	Booster BEBICON	40
Simulated Annual Power Consumption (MWh/year)	1,147	967
Specific Energy Consumption (m ³ /min/kW)	0.105	0.124
CO ₂ Emission* (t/year)	500	421
CO ₂ Reduction Rate (%)		16

* Operation time: 6,000h/yr

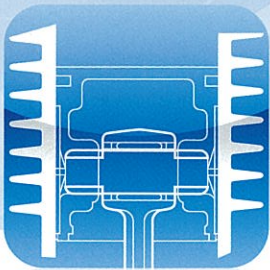
0.436kg/kWh is used as CO₂ emission coefficient

After replacing with the Booster BEBICON:
180 MWh/y Energy-Saving is obtained.
At the same time, **16%** of CO₂ Emission Reduction is also possible.

Specification

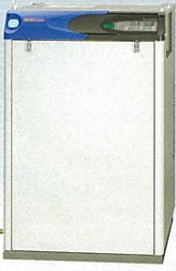
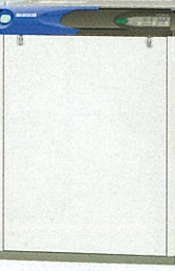

Lubrication Type	Tank Mounted or Packaged Type	Motor Output kW	Model	Suction Air Pressure MPa	Max. Discharge Pressure MPa	ON-OFF Control Pressure MPa	FAD L/min	Air Tank Volume L	Inlet Port Size	Air Outlet	External Dimensions (W×D×H) mm	Weight kg	Noise Level dB[A]
Oil-free (Dry)	Tank Mounted Type	1.5	OBB-1.5GB5/6	0-0.5	1.0	0.8-1.0	600	38	Rc3/4	G3/8B Stop Valve	846×447×762	64	70
		3.7	OBB-3.7GB5/6				1,400	170		Rc3/4 Stop Valve	1,610×510×983	180	73
		7.5	OBB-7.5GB5/6				2,850	280		Rc1	1,610×530×979	230	78
		11	OBB-11GB5/6				4,250	280		Rc1	1,938×608×1,114	285	78
	Packaged Type	3.7	POB-3.7G5/6	0.2-0.5	1.0	0.8-1.0	1,400	35	Rc3/4	Rc3/4 Stop Valve	963×693×1,224	207	54
		7.5	POB-7.5G5/6				2,850	—		Rc1	981×786×1,492	288	57
		11	POB-11G5/6				4,250	—		Rc1	1,197×931×1,513	406	60

- Air capacity is converted value under atmospheric condition from the capacity with 0.5MPa of suction pressure and maximum pressure of discharge pressure.
- Working range of suction pressure is from atmospheric pressure to 0.5MPa for Tank Mounted models, and 0.2MPa to 0.5MPa for Packaged Models. Please install pressure reduction valve if necessary. (It is possible to be used under suction pressure below 0.2MPa, however, energy-saving can NOT be obtained.)
- It is required to install an air receiver tank of sufficient volume on the suction side to prevent drain water to enter the suction side of Booster BEBICON. It is necessary to install an air receiver for the Packaged Type. Refer to local regulations when selecting air receiver tank.
- The intake air of Oil-free Booster BEBICON must be oil free air, which has no oil contaminant. If oil contaminant is contained in the suction air, install air filter and micron filter on the suction side of the Booster BEBICON.
- Temperature of suction air must be below 50°C.
- Ambient temperature must be between 0 (at which there is no freeze of drain water) and 40°C.
- Noise level is measured at 1.5m front under full-load operation in an anechoic room.
- Some of the models may NOT be available in Singapore, Malaysia and China (Mainland) due to the pressure vessel regulations. For details, contact your nearest dealer or HITACHI local representative office.



Package BEBICON (0.75–15kW)

Sound Proof Cabinet with Small Foot Print

Model Nomenclature

POD - 5.5 MA 5

- Frequency (5: 50Hz, 6: 60Hz)
- Series Name (M/MA/MB)
- PSC/PSF: Pressure Switch Type, Single Phase
- PC/PF: Pressure Switch Type, Three Phase
- Motor Output (kW)
- Built-in Air Dryer
- O: Oil-free
- B: Oil-lubricated
- Packaged Type

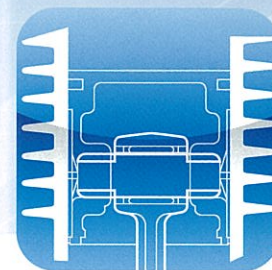
Specifications (without Built-in Air Dryer)

Lubrication Type	Control Method	Motor Output kW	Model	Maximum Discharge Pressure MPa	On-off Control Pressure MPa	Capacity at Maximum Pressure L/min	Outlet Air Dew Point °C	Starting Method	Air Outlet	Air Tank Capacity L	External Dimensions (W×D×H) mm		Weight kg	Noise level dB [A]				
											mm	mm						
Oil Lubricated	Pressure Switch Control	0.75	PB-0.75PSC5/6 PB-0.75PC5/6	0.93	0.74–0.93	80	Without air dryer	Full-voltage start	1/4B (8A) provided with stop valve	30	702×537×911	93 85	52					
		PUSC Control	1.5						PB-1.5MA5/6	20	826×638×944	132 151	53					
			2.2						PB-2.2MA5/6	32	1,008×816×1,215 1,175×975×1,463	1/2B (15A) provided with stop valve	277 310	56				
	3.7		PB-3.7MA5/6						420 59									
	Oil-free (Dry)	Pressure Switch Control	0.75						PO-0.75PGS5/6 PO-0.75PG5/6	0.93	0.78–0.93	75	Full-voltage start (with restart load reducing device)	1/4B (8A) provided with stop valve	30	707×537×911	111 103	52
			PUSC Control						1.5					PO-1.5MA5/6	20	826×638×944	136 154	55
2.2				PO-2.2MA5/6	32	1,008×816×1,215 1,175×975×1,463	1/2B (15A) provided with stop valve	278 309	58 59									
3.7		PO-3.7MA5/6		444 62														
PUSC Control		7.5	PO-7.5MA5/6	0.85	0.70–0.85	1,280	1/2B (15A) provided with stop valve	32	1,175×975×1,463					444 62				
		11	PO-11MA5/6				32	1,175×975×1,463	1 (25A) provided with stop valve					470	66			
	15	PO-15MA5/6	1,176×975×1,463						470	66								

Specifications (with Built-in Air Dryer)

Lubrication Type	Control Method	Motor Output kW	Model	Maximum Discharge Pressure MPa	On-off Control Pressure MPa	Capacity at Maximum Pressure L/min	Outlet Air Dew Point °C	Starting Method	Air Outlet	Air Tank Capacity L	External Dimensions (W×D×H) mm		Weight kg	Noise level dB [A]				
											mm	mm						
Oil Lubricated	Pressure Switch Control	0.75	PBD-0.75PSF5/6 PBD-0.75PF5/6	0.93	0.74–0.93	80	Less than 15 under pressure	Full-voltage start	1/4B (8A) provided with stop valve	30	716×537×1,137	115 107	52					
		PUSC Control	1.5						PBD-1.5MA5/6	20	826×638×1,194	159 178	53					
			2.2						PBD-2.2MA5/6	32	961×816×1,492 1,455×981×1,463	3/8B (10A) provided with stop valve	220 220	56				
	3.7		PBD-3.7MA5/6						316 351			56						
	Oil-free (Dry)	Pressure Switch Control	0.75						POD-0.75PGS5/6 POD-0.75PG5/6	0.93	0.78–0.93	75	Full-voltage start (with restart load reducing device)	1/4B (8A) provided with stop valve	30	716×537×1,137	133 125	52
			PUSC Control						1.5					POD-1.5MA5/6	20	826×638×1,194	163 181	55
2.2				POD-2.2MA5/6	32	961×816×1,492 1,445×975×1,463	3/8B (10A) provided with stop valve	216 216	57									
3.7		POD-3.7MA5/6		317 317			58											
PUSC Control		7.5	POD-7.5MA5/6	0.85	0.70–0.85	1,280	1/2B (15A) provided with stop valve	32	1,445×975×1,463					348 519	59 62			
		11	POD-11MA5/6				32	1,483×975×1,463	1 (25A) provided with stop valve					560	66			
	15	POD-15MA5/6	1,483×975×1,463						560	66								

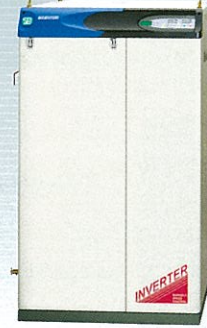

- Use the compressor at a place where ambient temperature is between 5°C (at which there is no freeze of drain water) to 40°C.
- Noise level is measured at 1.5m front under full-load operation in an anechoic room.
- If the air dryer operates at the same time, the noise level may be enlarged by 1 to 2 dB [A].
- Air capacity from the air dryer is about 3% to 5% less than the one from the compressor due to the drain condensation.
- Package type Oil-free BEBICON is NOT available in Singapore, Malaysia and China (Mainland) according to the pressure vessel regulations. Instead, Hitachi has tank-less models in some products. For further information, contact your nearest dealer or HITACHI local representative office.
- Built-in air dryer for 11kW model is supplied as horizontal model.
- It is necessary to install an air receiver tank with volume larger than 230L separately for 15kW model.



Inverter Package Oil-free BEBICON (5.5–15kW)

Energy Saving, Oil-free Air Supply, Low Noise Level*

*In case of low rotation speed.

Model Nomenclature

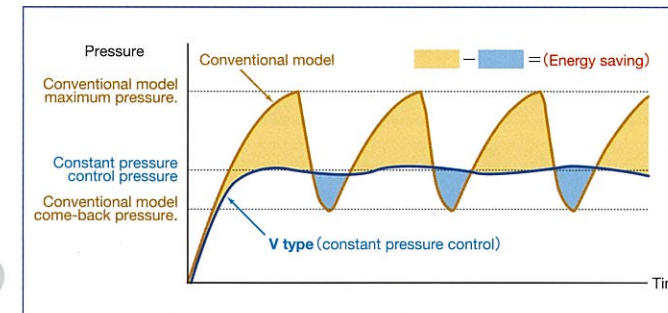
POD - 5.5 VB

- Packaged Type
- Oil-free
- Built-in Air Dryer
- Series Name
- Inverter Type
- Motor Output (kW)

Features

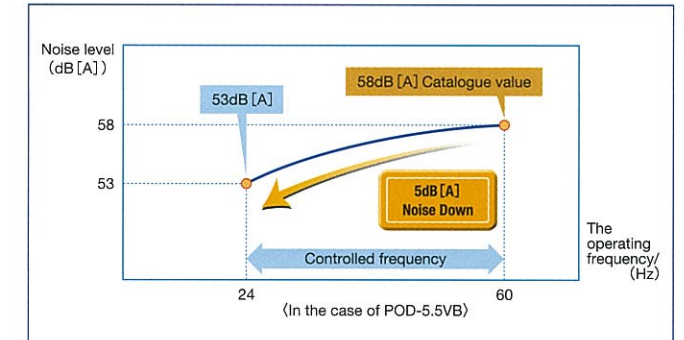
Energy saving with constant pressure control

Constant pressure control operation enables Energy-Saving, as it can supply air at minimum required pressure. Inverter controls motor speed and keeps the pressure within plus or minus ±0.03MPa of setting pressure.



Sophisticated operating sound with inverter

Inverter soft start reduces the starting noise. Low speed operation sound is 5 dB [A] lower than normal speed operation sound.



Specifications (with Built-in Air Dryer)

Lubrication Type	Motor Output kW	Model	Maximum Discharge Pressure MPa	Capacity @ Initial Setting L/min	Range of discharge pressure setting MPa	Discharge Air Dew Point °C	Starting Method	Pressure Indication	Air Outlet	Air Tank Capacity L	Required Minimum Air Tank Capacity option L	External Dimensions (W×D×H) mm		Weight kg	Noise level dB [A]
												mm	mm		
Oil-free (Dry)	5.5	POD-5.5VB	0.93	625@0.83MPa	0.60–0.88	5–15 under pressure	Inverter	Digital gauge (LED)	1/2B (15A) provided with stop valve (rubber hose ID: 12mm)	32	150	961×816×1,492	329	58	
	7.5	POD-7.5VD	0.85	905@0.75MPa	0.60–0.80							944×816×1,492	361	59	
	11	POD-11VD	1,325@0.75MPa	1,445×975×1,463	536							62			
	15	POD-15VA	1,750@0.75MPa	1,682×975×1,463	591							66			

- Use the compressor at a place where ambient temperature is between 5°C (at which there is no freeze of drain water) to 40°C.
- Noise level is measured at 1.5m front under full-load operation in an anechoic room.
- If the air dryer operates at the same time, the noise level may be enlarged by 1 to 2 dB [A].
- Air capacity from the air dryer is about 3% to 5% less than the one from the compressor due to the drain condensation.
- Package type Oil-free BEBICON is NOT available in Singapore, Malaysia and China (Mainland) according to the pressure vessel regulations. Instead, Hitachi has tank-less models in some products. For further information, contact your nearest dealer or HITACHI local representative office.
- If air demand is small, discharged air capacity may decrease to 40% of the above specific values in case that constant pressure control is selected. If tank pressure increases even at 40% of full-load operation, operation at Max discharge pressure will stop.
- Built-in air dryer for 11kW model is supplied as horizontal model.
- It is necessary to install an air receiver tank with volume larger than the recommended value for V-type compressor.

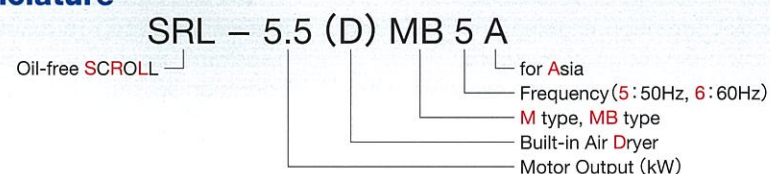


Oil-free Scroll Air Compressor (1.5-15kW)

**Low Noise, Low Vibration, High Reliability.
Space Saving, Energy Saving with Multi-Drive Control.**

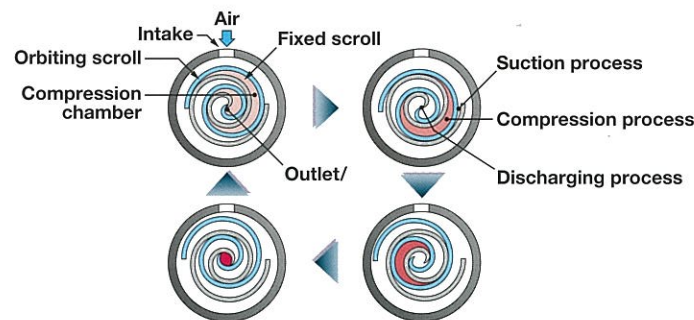


Model Nomenclature



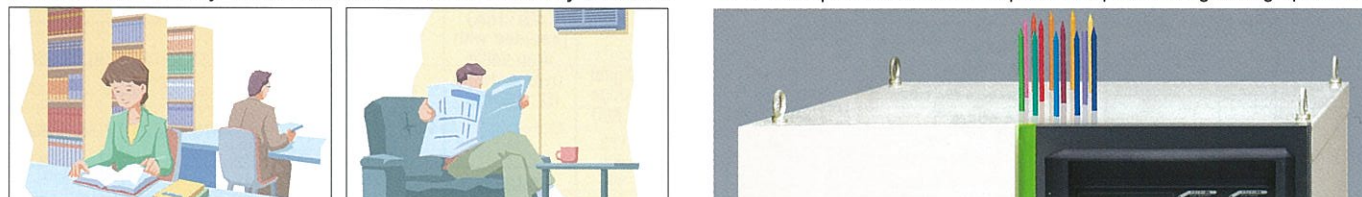
Scroll Compression Principle

- Compressor sucks air through air inlet located at outer scroll.
- Compression chamber goes smaller with rotary movement and trapped air is compressed.
- Compression chamber becomes minimum volume at the center of the scroll and air is pumped out through air outlet located at the center of scroll.
- These, suction, compression & discharging, process is repeated continuously.



Low Noise, Low Vibration

- Noise level is only 45dB [A] that is like in the library (1.5kW)
- For example: Pencil on the top roof keeps standing during operation.



Easy to Use

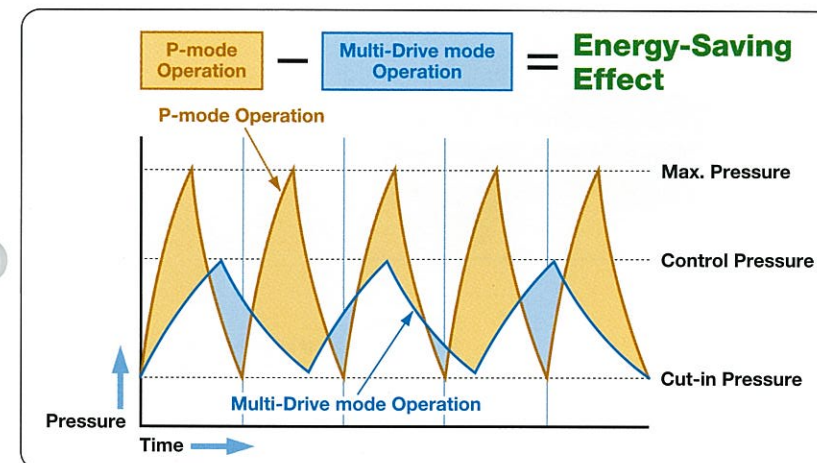
Few Daily Check items and Easy to Check, Total Cost Saving

- No need to change oil and separate the oil from drain. No need to install oil mist filter as well.*
- Well-designed structure utilizes easy maintenance of draining and cleaning of suction filters.
- Drain with rust is prevented by the adoption of air tank made of aluminum.

* In case that the suction air is thought to contain oil, it is necessary to install oil mist filter.

Energy-Saving with Multi-Drive Control

Multi-Drive control method is added to the conventional Pressure Switch Control method. It is also possible to easily change between Multi-Drive control and Pressure Switch control by operation of switch button. Under Multi-Drive control mode, the operation of SRL heads is modified automatically responding to the need of air. Optimized operation which can keep the necessary pressure is possible.



P-Mode:
Same as conventional Pressure Switch Control method, if the pressure reaches max pressure, the operation of compressor will stop. When the pressure decreases to the cut-in pressure, the operation of compressor will restart.

Multi-Drive Mode:
The operation of compressor is automatically controlled to keep the pressure around necessary pressure (control pressure). Unnecessary power consumption is prevented by avoiding the pressure to reach max pressure. So, energy-saving is possible.

Space Saving

As the back and right side is flat, and with the adoption of exhaust from top roof, it is possible to install the air compressor with two sides just close to the walls. So, installation space is greatly saved.

* It is still necessary to secure space for maintenance.

Specifications

Air Dryer	Control Method	Motor Output kW	Model	Compressor			Motor		Outlet Air Dew Point °C	Ambient Temperature °C	Starting Method	Air Outlet Screw Size	Air Tank Volume L	External Dimensions (W×D×H) mm	Weight kg	Noise Level dB [A]
				Max Pressure MPa	ON-OFF Control Pressure MPa	Capacity at Maximum Pressure L/min	Motor Type	Power Source PH								
Built-in air dryer	P-Mode	1.5	SRL-1.5DMB5/6	0.65-0.8 [0.8-1.0]	0.65-0.8 [0.8-1.0]	168	TFO-K 4P	3	Less than 15 under pressure	5-40	Direct	Hose Air Outlet Screw Size 3/8B(10A) x1 (Necessary for additional air receiver tank)	18	680×620×1,030	134	45
		2.2	SRL-2.2DMB5/6			252 [200]							142	46		
		3.7	SRL-3.7DMB5/6			420							180	47		
	Multi-Drive/P-Mode	5.5	SRL-5.5DMB5/6			630 [500]							203	50		
		7.7	SRL-7.5DM5/6			880 [700]							338	53		
		11	SRL-11DM5/6			1,260 [1,000]							375	56		
Without air dryer	P-Mode	1.5	SRL-1.5MB5/6	0.65-0.8 [0.8-1.0]	0.65-0.8 [0.8-1.0]	168	TFO-K 4P	3	-	0-40	Direct	Hose Air Outlet Screw Size 3/8B(10A) x1 (Necessary for additional air receiver tank)	18	680×620×1,030	117	45
		2.2	SRL-2.2MB5/6			252 [200]							127	46		
		3.7	SRL-3.7MB5/6A			420							175	47		
	Multi-Drive/P-Mode	5.5	SRL-5.5MB5/6A			630 [500]							184	50		
		7.7	SRL-7.5M5/6A			880 [700]							315	57		
		11	SRL-11M5/6A			1,260 [1,000]							350	59		
16.5	SRL-15M5/6A	1,890 [1,500]	515	61												

- Note:
- Air capacity is converted value at its inlet condition. For guaranteed values, contact your nearest dealer or HITACHI local representative office.
 - Air capacity from the air dryer is about 3% to 5% less than the one from the compressor due to the drain condensation.
 - Noise level is measured at 1.5m front under full-load operation in an anechoic room. It may vary in different operation conditions or environments.
 - If the air dryer operates at the same time, the noise level may be enlarged by 1 to 2 dB [A].
 - It is necessary to install an air receiver tank for 5.5kW or above models to reduce ON-OFF frequency.
 - For 3.7kW or lower models, it is also recommended to install a separate air receiver tank.
 - External dimensions indicate the package panel ONLY, NOT including protruding objects as discharge outlet.
 - Outlet air dew point is measured under the ambient temperature of 30°C.
 - Ambient temperature must be between 0 (at which there is no freeze of drain water) and 40°C.
 - 1.0MPa model is optional.
 - Some of the models may NOT be available in Singapore, Malaysia and China (Mainland) due to the pressure vessel regulations. For details, contact your nearest dealer or HITACHI local representative office.