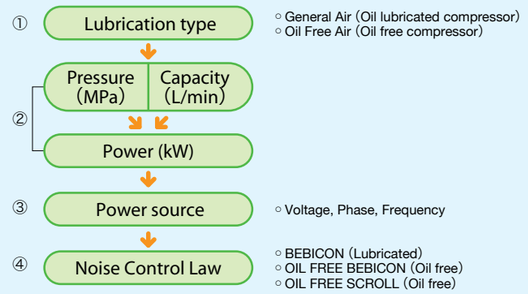
How to choose a BEBICON Compressor

① Select Compressor type according to your requirement.
② Select necessary pressure and air capacity.
As a 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 catalogue is valued at maximum discharge pressure and converted at its inlet condition)
Select rated output based on the selected pressure and capacity.
③ Confirm the details of power source (Voltage/Phase/Frequency)
④ 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.

■ Selecting Procedure



BEBICON OIL

Hitachi BEBICON OIL is high-performance oil which is specially developed for BEBICON compressors. To maximise Energy-Saving effects, prevent performance degradation and protect BEBICON compressors from trouble or breakdown, it is necessary to use Hitachi genuine BEBICON OIL as the ONLY lubricating oil during maintenance.

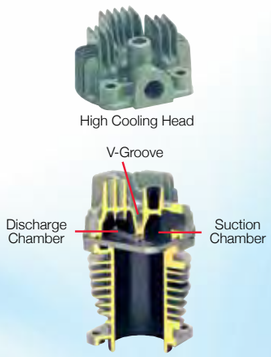
Genuine Parts

Hitachi genuine parts must be used when maintaining a Hitachi BEBICON compressor, to keep your compressor from trouble or breakdown.

Features: Oil-Free Air Compressors

High Cooling Head

High Cooling Head with large aluminium 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.

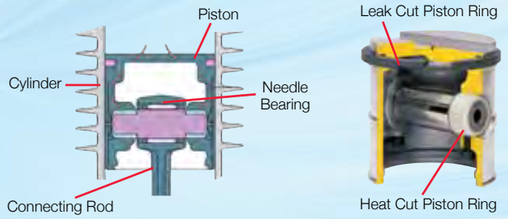


Lead Air Valve

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

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 at a relatively low temperature, improving the reliability.
Leak Cut Piston Ring of specially shaped abutment joint reduces air leakage and improves air capacity.



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For further information please contact your nearest sales representative.

HITACHI BEBICON COMPRESSORS

PISTON TYPE

Oil-free & Oil-lubricated Air Compressors

HITACHI
Inspire the Next

BEBICON®

Innovation, Performance and Reliability

BEBICON Air Compressors (0.75-11kW)

High Performance | HIgh Reliability | Compact & Light | Easy to Maintain

2.2P - 9.5VSL/H5 A

- A: ASIA/Australia
- 5: Frequency (50Hz)
- H: Horizontal Tank
- L: Large Tank (Option)
- S: Single Phase
- V: New V Series
- 9.5: Pressure (0.93MPa [9.5kgf/cm²])
- P: Pressure Switch type
- 2.2: Motor Output (2.2kW)

Specifications (HORIZONTAL & VERTICAL TANK MOUNT TYPE)

Tank Type	Operation Syste	Motor Output kW	Model	Maximum Pressure MPa (PSIG)	Compressor Speed min⁻¹	Displacement L/min (CFM)	Capacity at Maximum Pressure L/min (CFM)	Air tank Capacity L	Power Source PH	Standard Accessories	External Dimensions Width x Depth x Height mm	Weight Kg
Horizontal	Pressure-switch type	0.75	0.75P-9.5VS 5A	0.93 (135)	990	126 (4.5)	80 (2.8)	62	1PH	Pressure gauge, Safety valve, Hose joint, V-Belt, Belt cover, Silencer, Stop valve Air outlet 1/4Bx1 for 0.75, 1.5 kW & 2.2 kW, 3/8Bx1 for 3.7 & 5.5 kW, 3/4BX1 for 7.5 & 11kW	931x376x804	80
			0.75P-9.5V 5A						3PH			75
		1.5	1.5P-9-9.5S 5A		970	257 (9.1)	165 (5.8)	80	1PH		1,173x418x855	96
			1.5P-9.5V 5A						3PH		1,173x380x855	85
		2.2	2.2P-9.5VS 5A		730	386 (13.6)	265 (9.4)	90	1PH		1,283x434x860	147
			2.2P-9.5V 5A						3PH		1,283x403x860	126
		3.7	3.7P-9.5V 5A		1,000	541 (19.1)	440 (15.5)	125	3PH		1,345x428x923	160
		5.5	5.5P-9.5V5A		1,080	795 (28.1)	630 (22.2)	150	3PH		1,470x482x932	202
		7.5	7.5P-9.5V5A		950	1,027 (36.3)	840 (29.7)	235	3PH		1,674x556x1,094	255
		11	11P-9.5V5A		1,050	1.546 (54.6)	1,200 (42.4)	260	3PH		1,793x611x1,098	326
Horizontal		3.7	3.7P-14VH5A	1.37 (199)	900	487 (17.2)	400 (14.1)	230	3PH	Pressure gauge, Safety valve, Hose joint, V-Belt, Belt cover, Silencer, Stop valve Air Outlet 3/8BX1 for 3.7 & 5.5kW, 3/4BX1 for 7.5kW	1,624x525x1007	223
		5.5	5.5P-14VH5A		970	714 (25.2)	550 (19.4)	230	3PH		1,624x566x1,015	262
		7.5	7.5P-14VH5A		900	973 (34.3)	760 (26.8)	230	3PH		1,624x590x1,090	295
Vertical		3.7	3.7P-12.5(14)V5A	1.23 / 1.37 (178 / 199)	900	487 (17.2)	400 (14.1)	300	3PH		957x590x1,732	420
		5.5	5.5P-12.5(14)V5A		970	714 (25.2)	550 (19.4)	300	3PH		1,025x611x1,734	450
		7.5	7.5P-12.5(14)V5A		900	973 (34.3)	760 (26.8)	300	3PH		1,102x634x1,814	480

Note: 1. Use the Compressor at a place where ambient temperature is 0 (at which there is no freeze of drain water) to 40°C.
2. The capacity of compressed air is the amount of air discharged under the maximum pressure converted in terms of air suction (atmospheric pressure, ambient temperature 20°C, humidity 60%).
3. Hitachi compressors are not designed, intended or approved for breathing air applications.
4. Motors start with full voltage.
5. Large tank option available for 0.75 - 3.7kW (0.93MPa) models.

Oil-free Air Compressors (0.4-11kW)

High Performance | Durable Design | Long Overhaul Cycle | Oil-Free Air

3.7OP - 9.5G5A

- A: ASIA/Australia
- 5: Frequency (50Hz)
- G: GREEN Series
- 9.5: Pressure (0.93MPa [9.5kgf/cm²])
- P: Pressure Switch Type
- O: Oil Free
- 3.7: Motor Output (3.7kW)

Specifications (HORIZONTAL TANK MOUNT TYPE)

Operation Systems	Motor Output kW	Model	Maximum Pressure MPa (PSIG)	Compressor Speed min⁻¹	Displacement L/min (CFM)	Capacity at Maximum Pressure L/min (CFM)	Air tank Capacity L	Power Source PH	Standard Accessories	External Dimensions Width x Depth x Height mm	Weight kG
Pressure-switch Type	0.75	0.75OP-9.5GS5A	0.93 (135)	980	139 (4.9)	75 (2.6)	80	1PH	Pressure gauge, Safety valve, Hose joint, V-Belt, Belt cover, Silencer, Stop valve Air outlet 1/4BX1 for 0.75 & 1.5 kW & 2.2kW, 3/8BX1 for 3.7 & 5.5 kW, 3/4BX1 for 7.5 & 11 kW	1,173 x 380 x 852	90
		0.75OP-9.5G5A						3PH			85
	1.5	1.50P-9.5GS5A		880	278 (9.8)	165 (5.8)	80	1PH		1,173 x 431 x 897	121
		1.50P-9.5G5A						3PH		1,173 x 393 x 897	110
	2.2	2.20P-9.5GS5A		650	412 (14.5)	240 (8.5)	90	1PH		1,283 x 434 x 825	150
		2.20P-9.5G5A						3PH		1,283 x 403 x 825	129
	3.7	3.70P-9.5G5A		850	646 (22.8)	405 (14.3)	125	3PH		1,345 x 423 x 913	158
	5.5	5.50P-9.5G5A		860	981 (34.6)	605 (21.3)	150	3PH		1,470 x 482 x 995	201
	7.5	7.50P-8.5GA5A	0.83 (120)	915	1,347 (47.6)	880 (31.1)	235	3PH		1,674 x 552 x 1,045	282
	11	110P-8.5GA5A		900	1,987 (70.2)	1,285 (45.4)	290	3PH		2,014 x 646 x 1,153	400

Note: 1. Use the compressor at a place where ambient temperature is 0 (at which there is no freeze of drain water) to 40°C.
2. The capacity of compressed air is the amount of air discharged under the maximum pressure converted in terms of air suction (atmospheric pressure, ambient temperature 20°C, humidity 60%).
3. Hitachi air compressors are not designed, intended or approved for breathing air applications.
4. Motors start with full voltage.

Super Oil-Free BEBICON LE Series

Motor Output kW (50Hz)	Model	Compressor				Air Tank Capacity (L)	External Dimensions Width x Depth x Height (mm)	Motor	Weight (kG)
		Max.Pressure MPa (PSIG)	Control Pressure ON-OFF (MPa)	Rotating Speed (min⁻¹)	Capacity (L/min)				
0.4	0.4LE-8S-5A	0.8 (116)	0.6 - 0.8	50 Hz 1360	42	20	600x322x608	230V 1PH	30

Note: 1. Use the compressor at a place where ambient temperature is 0 (at which there is no freeze of drain water) to 40°C.
2. The capacity of compressed air is the amount of air discharged under the maximum pressure converted in terms of air suction (atmospheric pressure, ambient temperature 20°C, humidity 60%).
3. Hitachi air compressors are not designed, intended or approved for breathing air applications.
4. Supplied with Pressure Gauge, Safety Valve and Stop Valve.