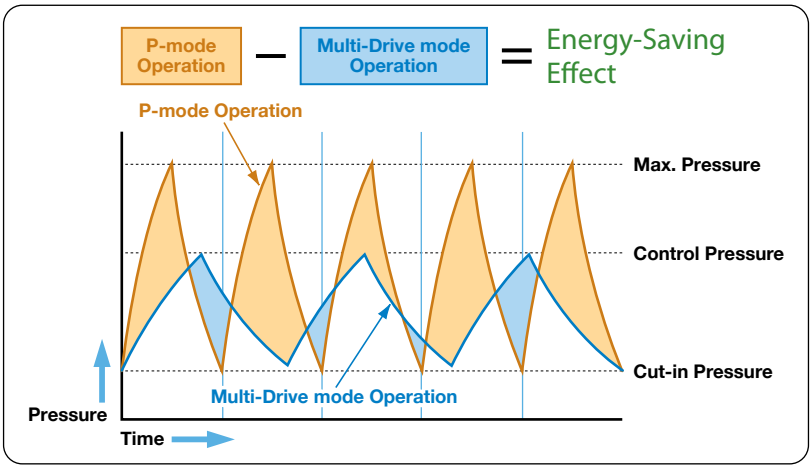
Energy saving with Multi-Drive Control

Control Mode setting can be changed between Multi-Drive Control and Pressure Switch Control. Under Multi-Drive Control mode, the operation of SRL heads is modified automatically, responding to the need of air. The necessary pressure is maintained producing an optimized, energy-saving performance.



P-Mode:

Similar to conventional Pressure Switch Control, if maximum pressure is reached, the compressor will stop operating. When the pressure decreases to the cut-in pressure, the compressor will restart.

Multi-Drive Mode:

The compressor is automatically controlled to maintain the necessary operating pressure (control pressure). Unnecessary power consumption is prevented by avoiding reaching maximum pressure - and energy savings are achieved.

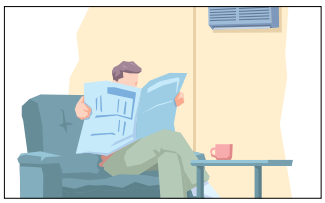
Space saving

Because the back and right sides are flat and the exhaust extraction is from the top, it's possible to install the compressor with two sides close to walls. Installation space is greatly saved.

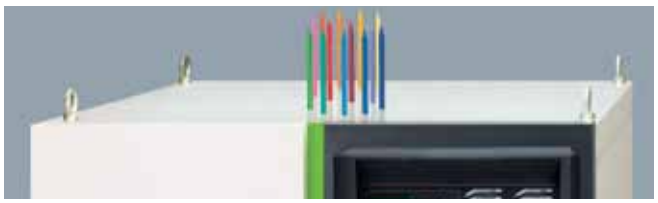
* It is still necessary to secure space for maintenance.

Low noise, low vibration

○ Noise level is a low 47dB [A] - as quiet as a library! (3.7kW)



○ Low vibration: pencils remain standing on the top during operation.



Easy to use

1. No need to change oil and separate the oil from drain. No need to install oil mist filter as well.*
2. Well-designed structure means easy maintenance - for the draining and cleaning of suction filters.

* If the suction air is thought to contain oil, it is necessary to install an oil mist filter.

Specifications

Control Method	Motor Nominal Output	Model	Compressor													Air Outlet	Air Tank Volume	External Dimensions (WxDxH)	Weight	Noise Level
			Max Pressure	ON-OFF Control Pressure						Capacity at Maximum Pressure										
				0.8 MPa		0.85 MPa		1.0 MPa		0.8 MPa		0.85 MPa		1.0 MPa						
	kW	-	MPa	MPa	PSIG	MPa	PSIG	MPa	PSIG	L/min	CFM	L/min	CFM	L/min	CFM	-	L	mm	Kg	dB(A)
P-Mode	2.2	SRL-2.2MB5A	0.85 (1.0)	-	-	0.65-0.85	94 -123	0.8 - 1.0	116 -145	-	-	240	8.5	200	7	Rc 3/8 Stop Value x 1	18	750 x 715 x 1,070	129	46
	3.7	SRL-3.7MB5A	0.85	-	-			-	-	-	-	400	14	-			24		175	47
	5.5	SRL-5.5MB5A	0.85 (1.0)	-	-			0.8 - 1.0	116 -145	-	-	600	21	500	18		24 (Necessary for additional air receiver talk)		184	50
Multi-Drive/ P-Mode	7.7	SRL-7.5MB5A	0.8 (1.0)	0.65 - 0.8	94 - 116	-	-	0.8 - 1.0	116 -145	880	31	-	-	700	25	Rc3/4 x 1	-	960 x 660 x 1,190	315 (312)	57
	11	SRL-11MB5A								1,260	45	-	-	1,000	35				350 (344)	59
	16.5	SRL-15MB5A								1,890	67	-	-	1,500	53	R1 x 1		1,280 x 770 x 1,450	515 (506)	61
	22	SRL-22MB5A								2520	89	-	-	2000	70.6			1,330 x 880 x 1,900	720 (708)	61
	33	SRL-33MB5A								3780	133			3000	106			1,360 x 1,030 x 1,670	1000	63

Note:
1. Air capacity is converted value at its inlet condition. For guaranteed values, contact your nearest dealer or HITACHI local representative office.
2. 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.
3. It is necessary to install an air receiver tank for 5.5kW and above models to reduce ON-OFF frequency. For 2.2/3.7kW models, it is also recommended to install an additional air receiver tank.
4. External dimensions indicate the package panel ONLY, NOT including protruding objects such as discharge outlet.
5. Ambient temperature must be between 0 (at which there is no freeze of drain water) and 40°C.
6. 1.0MPa model is optional for all models except for 3.7kW. Refer ( ) for corresponding data.
7. Hitachi air compressors are not designed, intended or approved for breathing air applications.
8. Motors start with full voltage and on 3 phase source.

For further information please contact your nearest sales representative.