

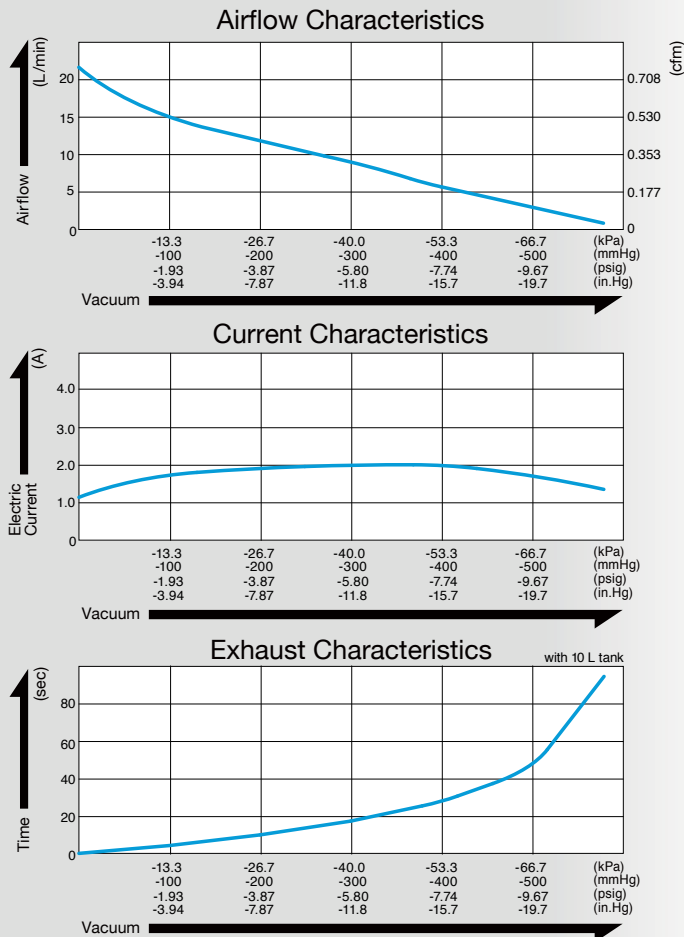
Vacuum Pump

Model **DP0410-X1**

Brushless DC Motor 12 V DC



Airflow & Power Consumption



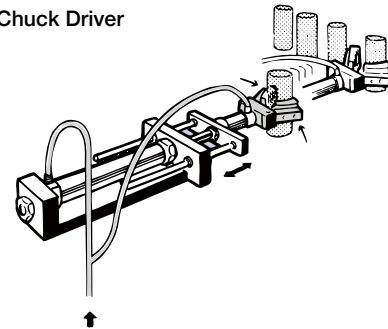
Specifications

Attainable Vacuum	-77.3 kPa (-580 mmHg) -773 mbar -22.8 in.Hg
Free Air Displacement	18 L/min 0.64 cfm
Rated Voltage	12 V DC
Maximum Current	2.5 A or less
Duty Cycle	Continuous
Rated Performance (MTTF)	10,000 hours
Inlet	Rc1/8
Outlet	Rc1/8
Coil Insulation Class	E or its equivalent (JETL)
Mounting Dimensions	70 (L) x 45 (W) mm 2-3/4" (L) x 1-49/64" (W)
Weight	1.1 kg 2.4 Lbs.
Leadwire Length	285 mm 11-7/32"

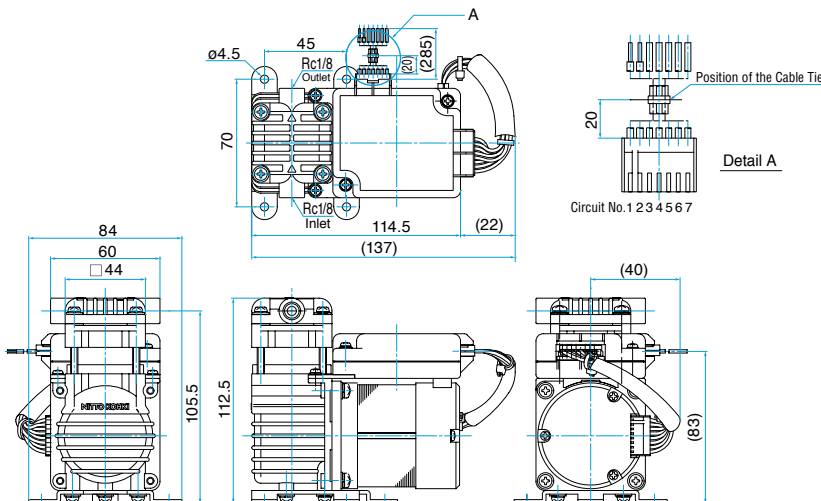
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

Application Examples

Air Cylinder/Chuck Driver



Dimensional Outline Drawing (Unit: mm)



Connection Table

Circuit No.	Power Source		Control Signal				
	1	2	3	4	5	6	7
Cord Color	Red	Black	Brown	Orange	Yellow	Green	Gray
Function	V+	V-	DRIVE/FREE	PULSE	ALARM	SPEED	SGND
Option	Function Off	ON	OFF				
	Function On	ON	ON				
Cord Size	AWG20		AWG22				
Line Type	UL1007						

*Control function is "OFF" by default.

- Be sure to secure the lead wires with a cable tie. (See the detail A.) If they are not secured, poor contact of the connector may occur and result in failure.
- For the details of wiring, please see the user's instructions.

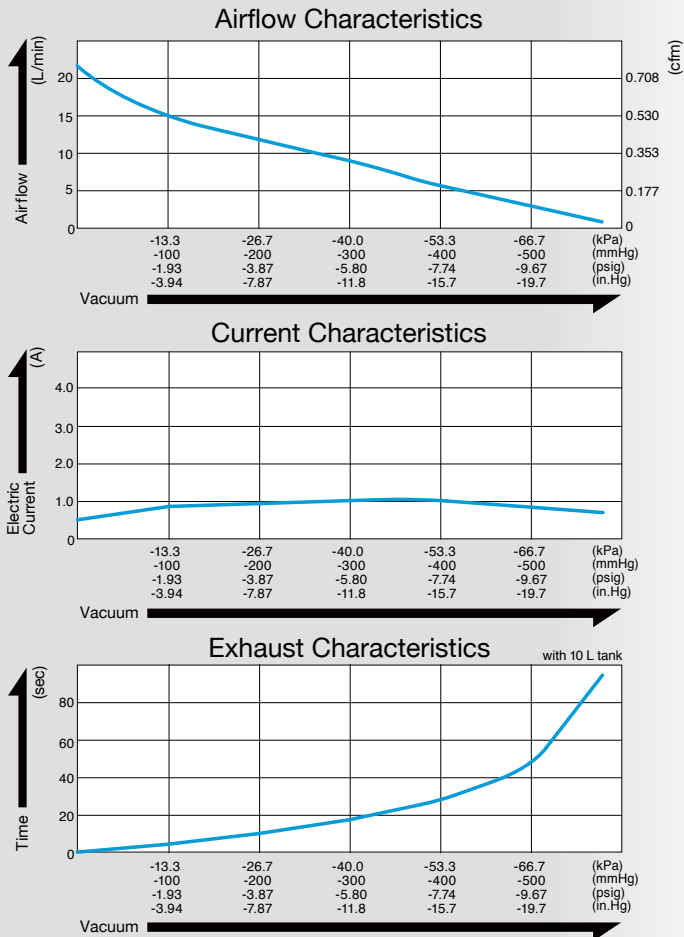
Vacuum Pump



Model DP0410-Y1

Brushless DC Motor 24 V DC

Airflow & Power Consumption



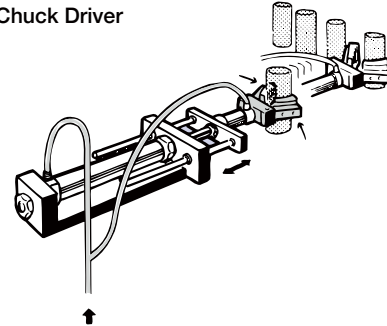
Specifications

Attainable Vacuum	-77.3 kPa (-580 mmHg) -773 mbar -22.8 in.Hg
Free Air Displacement	18 L/min 0.64 cfm
Rated Voltage	24 V DC
Maximum Current	1.5 A or less
Duty Cycle	Continuous
Rated Performance (MTTF)	10,000 hours
Inlet	Rc1/8
Outlet	Rc1/8
Coil Insulation Class	E or its equivalent (JETL)
Mounting Dimensions	70 (L) x 45 (W) mm 2-3/4" (L) x 1-49/64" (W)
Weight	1.1 kg 2.43 Lbs.
Leadwire Length	285 mm 11-7/32"

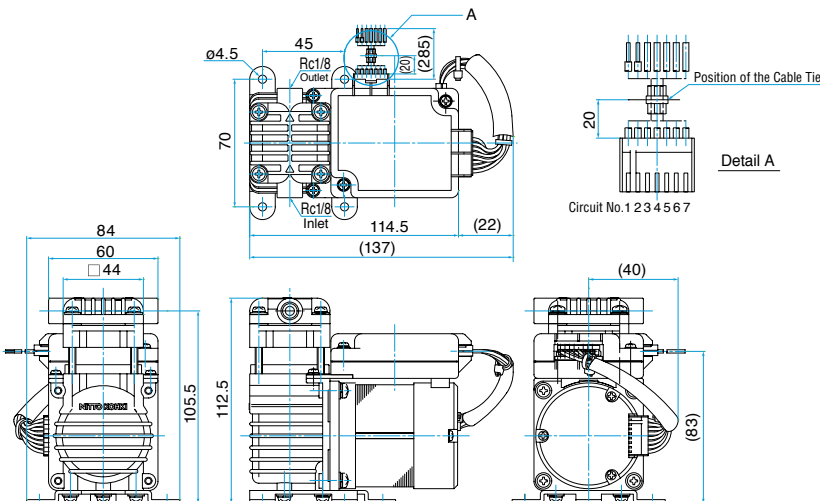
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Application Examples

Air Cylinder/Chuck Driver



Dimensional Outline Drawing (Unit: mm)



Connection Table

Circuit No.	Power Source		Control Signal				
	1	2	3	4	5	6	7
Cord Color	Red	Black	Brown	Orange	Yellow	Green	Gray
Function	V+	V-	DRIVE / FREE	PULSE	ALARM	SPEED	SGND
Option	Function Off	ON	OFF				
	Function On	ON	ON				
Cord Size	AWG20			AWG22			
Line Type	UL1007						

*Control function is "OFF" by default.

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- For the details of wiring, please see the user's instructions.

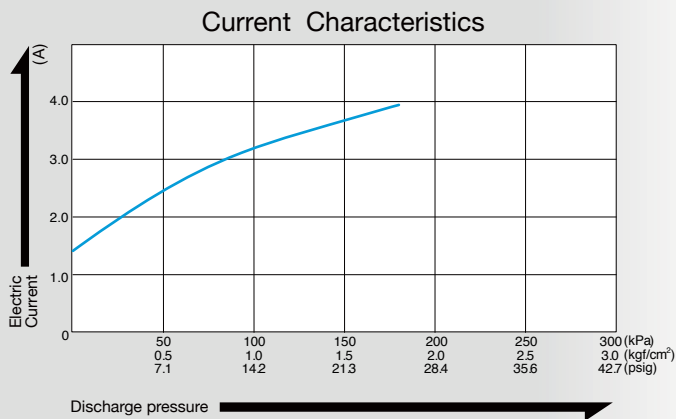
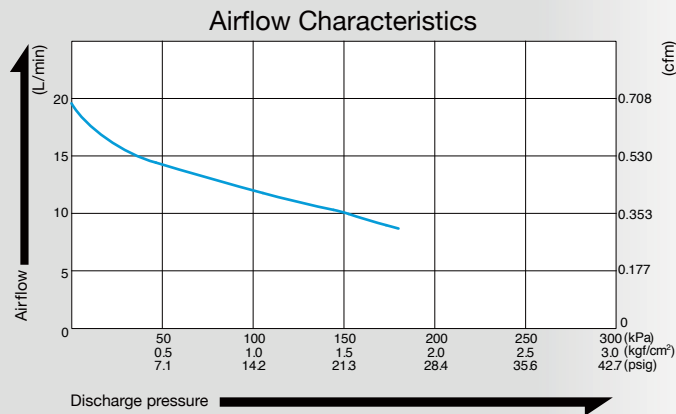
Compressor

Model **DP0410-X2**

Brushless DC Motor 12 V DC



Airflow & Power Consumption



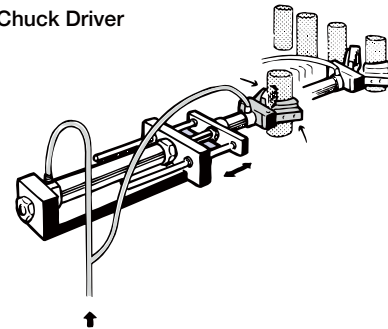
Specifications

Free Air Displacement	18 L/min 0.64 cfm
Rated Voltage	12 V DC
Maximum Pressure	180 kPa (1.8 kgf/cm ²) 1.8 bar 25.6 psig
Maximum Current	5.0 A
Duty Cycle	Continuous
Working Pressure Range	0 to 180 kPa (0 to 1.8 kgf/cm ²) 0 to 1.8 bar 0 to 25.6 psig
Rated Performance (MTTF)	10,000 hours
Inlet	ISO RC 1/8
Outlet	ISO RC 1/8
Coil Insulation Class	E or its equivalent (JETL)
Mounting Dimensions	70 (L) x 45 (W) mm 2-3/4" (L) x 1-49/64" (W)
Weight	1.1 kg 2.4 Lbs.
Leadwire Length	285 mm 11-7/32"

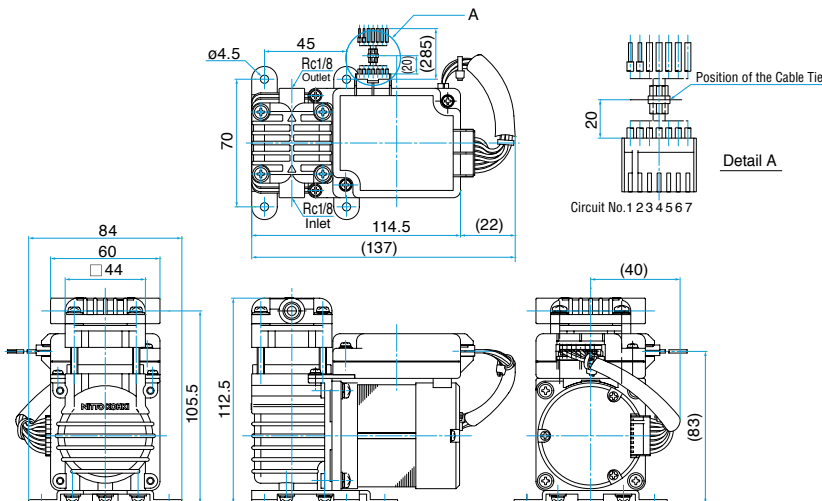
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Application Examples

Air Cylinder/Chuck Driver



Dimensional Outline Drawing (Unit: mm)



Connection Table

Circuit No.	Power Source		Control Signal				
	1	2	3	4	5	6	7
Cord Color	Red	Black	Brown	Orange	Yellow	Green	Gray
Function	V+	V-	DRIVE/FREE	PULSE	ALARM	SPEED	SGND
Option	Function Off	ON	OFF				
	Function On	ON	ON				
Cord Size	AWG20		AWG22				
Line Type	UL1007						

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- For the details of wiring, please see the user's instructions.

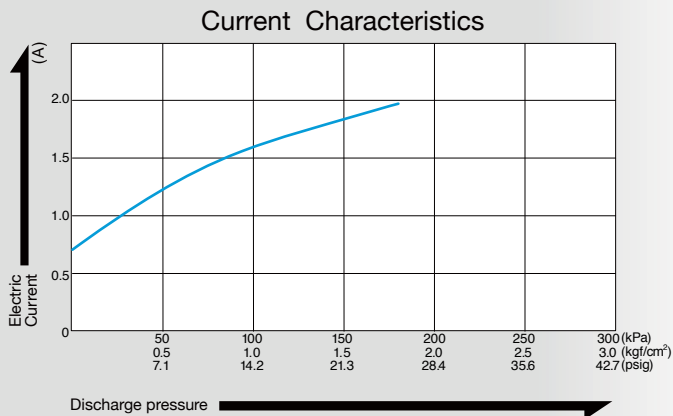
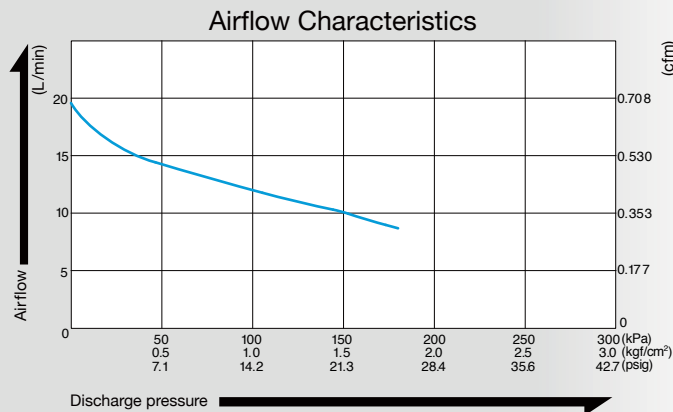
Compressor

Model **DPO410-Y2**

Brushless DC Motor 24 V DC



Airflow & Power Consumption



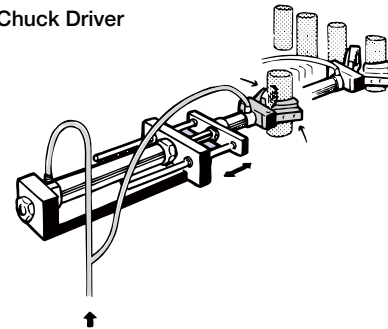
Specifications

Free Air Displacement	18 L/min 0.64 cfm
Rated Voltage	24 V DC
Maximum Pressure	180 kPa (1.8 kgf/cm ²) 1.8 bar 25.6 psig
Maximum Current	2.7 A
Duty Cycle	Continuous
Working Pressure Range	0 to 180 kPa (0 to 1.8 kgf/cm ²) 0 to 1.8 bar 0 to 25.6 psig
Rated Performance (MTTF)	10,000 hours
Inlet	ISO RC 1/8
Outlet	ISO RC 1/8
Coil Insulation Class	E or its equivalent (JETL)
Mounting Dimensions	70 (L) x 45 (W) mm 2-3/4" (L) x 1-49/64" (W)
Weight	1.1 kg 2.4 Lbs.
Leadwire Length	285 mm 11-7/32"

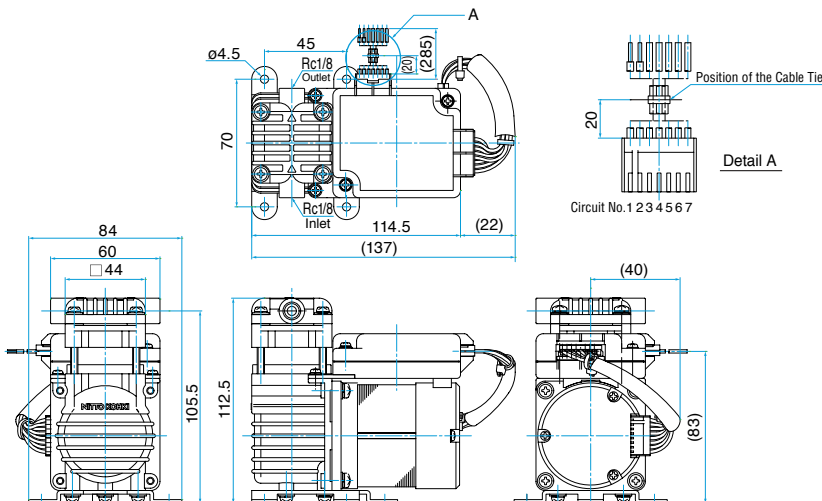
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Application Examples

Air Cylinder/Chuck Driver



Dimensional Outline Drawing (Unit: mm)



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