

# Series Selection

## AC Linear Free Piston Compressor

Model	Rated Pressure		Max. Pressure		Rated Pressure & Max. Pressure	Rated Airflow		Rated Airflow	Page
	kPa	psig	kPa	psig		L/min	cfm		
AC0102	20	2.84	40	5.69		5	0.177		13
AC0201A	10	1.42	20	2.84		20	0.71		14
AC0301A	10	1.42	30	4.27		28	0.99		15
AC0401A	10	1.42	35	4.98		35	1.24		16
AC0602	15	2.13	35	4.98		40	1.41		17
AC0901	10	1.42	40	5.69		80	2.83		18
AC0902	20	2.84	45	6.40		55	1.94		19
AC0105	50	7.11	80	11.4		2.5	0.088		20
AC0110	100	14.2	120	17.1		0.8	0.028		21
AC0207	70	9.96	100	14.2		3.5	0.124		22
AC0210	100	14.2	120	17.1		3.5	0.124		101
AC0410A	100	14.2	130	18.5		5	0.177		23
AC0610/AC0610A	100	14.2	150	21.3		8	0.283		24/102
AC0910	100	14.2	150	21.3		16	0.57		25
AC0920	200	28.4	350	49.7		8	0.283		26

## AC Linear Free Piston Vacuum Pump

Model	Attainable Vacuum	Attainable Vacuum		Free Air Displacement		Free Air Displacement	Page
		kPa	in.Hg	L/min	cfm		
VP0125		-33.3	-9.84	7	0.247		29
VP0140		-53.3	-15.7	3	0.106		30
VP0435A		-46.7	-13.8	25	0.88		31
VP0450		-66.7	-19.7	18	0.64		32
VP0625		-33.3	-9.84	40	1.41		33
VP0660		-80	-23.6	25	0.88		34
VP0925A		-33.3	-9.84	80	2.83		103
VP0940		-53.3	-15.7	60	2.12		35
VP0940T		-53.3	-15.7	120	4.24		36
VP0660x2	Series	-93.3	-27.6	25	0.88		104
	Parallel	-80	-23.6	50	1.77		104

## DC Linear Free Piston Compressor

Model	Rated Pressure		Max. Pressure		Rated Pressure & Max. Pressure	Rated Airflow		Rated Airflow	Page
	kPa	psig	kPa	psig		L/min	cfm		
DAH102-X1	20	2.84	50	7.11		5	0.177		39
DAH102-Y1	20	2.84	50	7.11		5	0.177		40
DAH105-X1	50	7.11	80	11.4		2.5	0.088		41
DAH105-Y1	50	7.11	80	11.4		2.5	0.088		42
DAH110-X1	100	14.2	120	17.1		1.0	0.035		43
DAH110-Y1	100	14.2	120	17.1		1.0	0.035		44

## DC Linear Free Piston Vacuum Pump

Model	Attainable Vacuum	Attainable Vacuum		Free Air Displacement		Free Air Displacement	Page
		kPa	in.Hg	L/min	cfm		
DVH130-X1		-40	-11.8	7	0.247		47
DVH130-Y1		-40	-11.8	7	0.247		48
DVH145-X1		-60	-17.7	3	0.106		49
DVH145-Y1		-60	-17.7	3	0.106		50

### AC Linear Diaphragm Pump (Blower Type)

Model	Rated Pressure		Max. Pressure		Rated Pressure & Max. Pressure	Rated Airflow		Page
	kPa	psig	kPa	psig		L/min	cfm	
VC0100	4	0.57	16	2.28		6	0.212	54
VC0101	10	1.42	20	2.84		10	0.35	56
VC0101E	10	1.42	20	2.84		15	0.53	107
VC0101S	5	0.71	26	3.70		15	0.53	57
VC0201B	10	1.42	18	2.56		20	0.71	59
VC0301B	10	1.42	20	2.84		25	0.88	61

0 50 100 150 200 250 300(kPa)      0 20 40 60 80 100 120 (L/min)

### AC Linear Diaphragm Pump (Dual Type)

Model	Attainable Vacuum	Attainable Vacuum		Rated Pressure		Max. Pressure		Rated Pressure & Max. Pressure	Rated Airflow		Page
		kPa	in.Hg	kPa	psig	kPa	psig		L/min	cfm	
VC0100		-14.7	-4.33	4	0.57	16	2.28		6	0.212	53
VC0101 120 V		-18.7	-5.51	10	1.42	18	2.56		10	0.35	55
VC0101 230 V		-10	-2.95	10	1.42	15	2.13		10	0.35	55
VC0101E		-18.7	-5.51	10	1.42	20	2.84		15	0.53	106
VC0101S		-24	-7.09	5	0.71	26	3.70		15	0.53	108
VC0201B		-18.7	-5.51	10	1.42	18	2.56		20	0.71	58
VC0301B		-21.3	-6.30	10	1.42	20	2.84		25	0.88	60
VCK0120 (Vacuum only)		-26.7	-7.87						18*	0.64*	105

(kPa) -80 -60 -40 -20 0      0 50 100 150 (kPa)      0 20 40 60 (L/min)

\*Free Air Displacement

### DC Liquid Pump

Model	Working Pressure Range		Working Pressure Range	Flow Rate	Flow Rate	Self-priming Pressure		Self-priming Pressure	Page
	kPa	psig				kPa	psig		
DPE-100	0 to 100	0 to 14.2		100		20	2.84		89
DPE-400	0 to 100	0 to 14.2		400		40	5.69		89
DPE-400BL	0 to 100	0 to 14.2		400		40	5.69		89
DPE-800	0 to 100	0 to 14.2		800		40	5.69		89
DPE-100BLC	0 to 100	0 to 14.2		100		10	1.42		91
DPE-200BLC	0 to 100	0 to 14.2		200		20	2.84		91

(kPa) 0 20 40 60 80 100      (mL/min) 0 200 400 600 800      (kPa) 0 20 40 60

\*Test conditions: Water at 25 degrees C

### Liquid Pump (BIMOR PUMP)

Model	Discharge Pressure		Discharge Pressure	Flow Rate	Flow Rate	Self-priming Pressure		Self-priming Pressure	Page
	kPa	psig				kPa	psig		
BPS-215i	15	2.13		30		3	0.43		86
BPS-235G	15	2.13		30		1.5	0.21		
BPH-214i	18	2.56		350		8	1.14		
BPH-214D	18	2.56		350		8	1.14		
BPH-214E	18	2.56		350		8	1.14		
BPH-214G	17	2.41		350		7	1.00		
BPH-414i	35	4.98		500		12	1.70		
BPH-414D	35	4.98		500		12	1.70		
BPH-414E	35	4.98		500		12	1.70		
BPH-414G	32	4.54		450		10	1.42		
BPH-474G	35	4.98		400		10	1.42		
BPH-474P	35	4.98		400		10	1.42		
BPHS-414i	35	4.98		700		12	1.70		
BPHS-414E	35	4.98		700		12	1.70		
BPHS-414G	35	4.98		700		12	1.70		
BPHS-474G	35	4.98		500		10	1.42		
BPHS-474P	35	4.98		500		10	1.42		
BPF-465P	35	4.98		400		10	1.42		

(kPa) 0 20 40 60 80 100      (mL/min) 0 200 400 600 800      (kPa) 0 20 40 60

\*Test conditions: 25°C water at AC frequency 60 Hz.

### DC Linear Compressor and Vacuum Pump (Dual Type)

Model	Attainable Vacuum	Attainable Vacuum		Max. Pressure		Free Air Displacement		Free Air Displacement	Page	
		kPa	in.Hg	kPa	psig	L/min	cfm			
DP0125		-33.3	-9.84	30	4.27		2.5	0.088		73
DP0140		-53.3	-15.7	50	7.11		4	0.141		74
DP0102		-26.7	-7.87	45	6.40		5	0.177		75
DP0102S		-26.7	-7.87	45	6.40		7	0.247		76
DP0102H-X1		-50.7	-15.0	80	11.4		4	0.141		77
DP0110-X1		-66.7	-19.7	150	21.3		7.5	0.265		79
DP0110-Y1		-66.7	-19.7	150	21.3		7.5	0.265		80
DP0110-X3		-66.7	-19.7	150	21.3		7.5	0.265		81
DP0110T-X1		-60	-17.7	150	21.3		5.5	0.194		82
DP0110T-Y1		-60	-17.7	150	21.3		5.5	0.194		83
DP0210TA-Y1		-60	-17.7	150	21.3		10	0.35		84
DP0105-X1		-66.7	-19.7	250	35.6		2.8	0.099		63
DP0105-Y1		-66.7	-19.7	250	35.6		2.8	0.099		64

(kPa)-80 -60 -40 -20 0 0 50 100 150 200 250(kPa) 0 20 40 60(L/min)

### DC Linear Compressor only

Model	Attainable Vacuum	Attainable Vacuum		Max. Pressure		Free Air Displacement		Free Air Displacement	Page	
		kPa	in.Hg	kPa	psig	L/min	cfm			
DP0102H-X2				80	11.4		4	0.141		78
DPA0105-X1				220	31.3		2.8	0.099		65
DPA0105-Y1				220	31.3		2.8	0.099		66
DP0410-X2				180	25.6		18	0.64		69
DP0410-Y2				180	25.6		18	0.64		70
DP0410T-Y2				150	21.3		34	1.2		72

(kPa)-80 -60 -40 -20 0 0 50 100 150 200 250(kPa) 0 20 40 60(L/min)

### DC Vacuum Pump only

Model	Attainable Vacuum	Attainable Vacuum		Max. Pressure		Free Air Displacement		Free Air Displacement	Page	
		kPa	in.Hg	kPa	psig	L/min	cfm			
DP0410-X1		-77.3	-22.8				18	0.64		67
DP0410-Y1		-77.3	-22.8				18	0.64		68
DP0410T-Y1		-77.3	-22.8				34	1.2		71

(kPa)-80 -60 -40 -20 0 0 50 100 150 200 250(kPa) 0 20 40 60(L/min)