

# Model Selection



## Diaphragm

1010 DC



1410 DC



1610



7006 DC



7010 DC



8010



Pressure												
MODEL	MOTOR CAPACITY		FLOW l/min @ bar								MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0.0	0.5	1.0	1.5	2.0	3.0	5.0	7.0	CONTINUOUS	INTERMITTENT
1010	2.5 - 4	PM	0.8	0.1	-	-	-	-	-	-	0.2	0.6
2002	2.0 - 12	PM	0.8	0.1	-	-	-	-	-	-	0.2	0.6
3003	4.5 - 12	PM	1.0	0.1	-	-	-	-	-	-	0.2	0.6
3013	4.5 - 12	PM	1.3	0.1	-	-	-	-	-	-	0.2	0.6
4002D	6	PM	2.0	0.8	-	-	-	-	-	-	0.2	0.7
1410D	12, 24	PM	5.5	2.5	-	-	-	-	-	-	1.0	1.0
1410VD	12, 24	PM	4.3	2.5	1.4	0.6	-	-	-	-	0.7	1.9
1420DP	12, 24	PM	11.0	5.1	-	-	-	-	-	-	1.0	1.0
1420VDP	12,24	PM	8.2	6.0	3.9	1.7	-	-	-	-	0.7	1.9
1610	12,24	PM	8.0	6.3	4.1	1.7	0.0	-	-	-	0.5	2.0
1620	12,24	PM	16.5	12.3	7.9	3.7	-	-	-	-	0.25	1.8
7006	12,24	PM	7.2	5.3	3.9	2.8	1.9	-	-	-	0.8	2.5
7006	230/50/1	PSC	6.9	5.0	3.7	2.3	1.3	-	-	-	0.8	2.5
7006ZP	12,24	PM	13.8	9.4	7.1	5.5	4.1	-	-	-	0.8	2.5
7006ZP	230/50/1	PSC	13.8	9.4	7.1	5.5	4.1	-	-	-	0.8	2.5
7006ZVR	12,24	PM	-	-	-	-	-	-	-	-	-	-
7006ZVR	230/50/1	SP	-	-	-	-	-	-	-	-	-	-
7010	12,24	PM	6.5	4.5	2.9	1.9	-	-	-	-	1.0	2.2
7010	115/60/1,230/50/1	SP	5.8	4.3	3.0	2.0	-	-	-	-	1.2	2.3
7010ZDP	12,24	PM	12.0	8.1	5.1	2.5	-	-	-	-	0.8	2.0
7010ZDP	115/60/1,230/50/1	SP	10.4	7.3	4.8	2.5	-	-	-	-	0.8	2.3
7010ZVR	12,24	PM	-	-	-	-	-	-	-	-	-	-
7010ZVR	230/50/1	SP	-	-	-	-	-	-	-	-	-	-
7011	12,24	PM	12.4	8.1	5.3	3.5	1.5	-	-	-	0.8	2.3
7011ZP	12,24	PM	24.0	17.0	11.0	8.0	-	-	-	-	0.5	2.3
7011ZR	12,24	PM	-	-	-	-	-	-	-	-	-	-
7015ZR	12,24	PM	-	-	-	-	-	-	-	-	-	-
7015ZR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
7015	12,24	PM	14.0	9.7	7.1	4.9	3.1	-	-	-	1.0	2.5
7015ZP	12,24	PM	27.0	20.0	15.0	12.0	9.0	-	-	-	1.0	3.0
7015ZP	230/50/1	PSC	22.0	16.2	11.5	9.3	5.3	-	-	-	1.0	2.5
8010	230/50/1	PSC	23.0	16.0	11.0	8.0	4.5	1.8	-	-	1.0	2.8
8010ZP	230/50/1	PSC	38.0	31.0	24.0	17.0	11.0	3.5	-	-	0.8	2.8
8010ZR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8011	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8011ZP	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8011ZR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8015	230/50/1	PSC	28.0	22.0	17.5	13.0	10.0	3.5	-	-	0.8	3.0
8015ZP	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8015ZR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-

\*PM = Permanent Magnet, SP = Shaded Pole,

\*PSC=Permanent Split Capacitor, Consult factory for 60 hertz models – minimum quantities apply.

Note: Minimum release quantities or regional availability may apply. Consult factory.

# Model Selection



## Diaphragm

Vacuum											
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800			
1010	2.5 - 4	PM	0.8	0.6	0.4	0.1	-	-	-500	23 x 14 x 33	0.02
2002	2.0 - 10	PM	0.8	0.6	0.4	-	-	-	-520	26 x 17 x 41	0.03
3003	4.5 - 12	PM	1.0	0.6	0.3	-	-	-	-380	37 x 23 x 43	0.04
3013	4.5 - 12	PM	1.3	0.7	0.4	0.1	-	-	-450	34 x 23 x 44	0.03
4002V	6	PM	2.0	1.5	1.2	0.5	-	-	-600	30 x 17 x 53	0.05
1410V	12,24	PM	5.5	4.6	3.9	2.4	1.0	-	-750	54 x 30 x 83	0.17
1410VD	12,24	PM	4.3	3.5	2.8	1.7	0.6	-	-730	54 x 30 x 83	0.17
1420VP	12,24	PM	11.0	9.5	8.0	5.0	2.1	-	-780	75 x 30 x 87	0.22
1420VDP	12,24	PM	8.2	7.0	5.8	3.2	1.0	-	-730	75 x 30 x 87	0.22
1610	12,24	PM	8.0	6.9	5.7	3.7	1.9	0.4	-900	97 x 47 x 120	0.64
1620	12,24	PM	16.5	14.4	12.1	7.8	4.0	0.7	-870	141 x 47 x 138	0.75
7006	12,24	PM	7.2	5.3	4.4	2.7	1.2	0.3	-850	78 x 47 x 123	0.60
7006	230/50/1	PSC	6.9	5.3	4.3	2.6	1.2	0.3	-850	110 x 79 x 141	1.6
7006ZP	12,24	PM	13.8	10.6	8.6	5.3	2.8	0.9	-850	78 x 47 x 123	0.9
7006ZP	230/50/1	PSC	13.8	10.6	8.6	5.3	2.8	0.9	-850	110 x 79 x 185	1.8
7006ZVR	12,24	PM	6.6	5.7	4.8	3.2	1.9	0.7	-950	78 x 47 x 123	0.90
7006ZVR	230/50/1	SP	7.1	6.0	5.0	3.3	1.9	0.6	-950	78 x 61 x 123	1.8
7010	12,24	PM	6.5	4.6	3.7	2.2	1.0	-	-730	86 x 48 x 120	0.60
7010	115/230/1	SP	5.8	4.5	3.5	2.1	0.9	-	-780	83 x 61 x 109	0.95
7010ZDP	12,24	PM	12.0	10.0	8.0	4.5	1.7	-	-750	82 x 48 x 161	0.75
7010ZDP	230/50/1	SP	10.4	8.6	7.0	4.2	1.8	-	-750	82 x 61 x 158	1.45
7010ZVR	12,24	PM	6.0	5.1	4.4	2.9	1.6	0.4	-900	82 x 48 x 161	0.75
7010ZVR	230/50/1	SP	5.3	4.5	3.7	2.4	1.3	0.3	-900	82 x 61 x 158	1.45
7011	12,24	PM	12.4	9.5	7.5	4.5	1.5	-	-730	62 x 87 x 150	0.85
7011ZP	12,24	PM	24.0	20.0	15.5	3.0	2.5	-	-700	48 x 97 x 194	1.4
7011ZR	12,24	PM	7.0	6.2	5.6	3.5	2.0	0.8	-990	48 x 97 x 192	1.4
7015ZR	12,24	PM	12.0	10.5	9.5	7.0	4.5	2.0	-920	125 x 76 x 164	2.3
7015ZR	230/50/1	PSC	12.0	10.5	9.5	6.5	4.0	1.5	-900	137 x 79 x 182	2.4
7015	12,24	PM	14.0	11.0	8.5	4.9	1.8	-	-800	125 x 80 x 130	1.1
7015ZP	12,24	PM	27.0	21.0	17.0	11.0	5.0	-	-800	125 x 76 x 164	2.3
7015ZP	230/50/1	PSC	22.0	16.8	13.2	7.8	2.9	-	-800	137 x 79 x 182	2.4
8010	230/50/1	PSC	23.0	14.0	11.5	7.0	3.0	-	-780	122 x 129 x 200	2.5
8010ZP	230/50/1	PSC	38.0	29.0	23.0	14.0	6.0	-	-780	122 x 124 x 255	3.4
8010ZR	230/50/1	PSC	26.0	22.0	19.0	13.0	7.7	2.7	-920	122 x 124 x 255	3.4
8011	230/50/1	PSC	34.0	29.0	22.0	14.0	8.0	3.0	-950	143 x 129 x 193	3.5
8011ZP	230/50/1	PSC	65.0	58.0	48.0	32.0	17.0	5.8	-930	143 x 129 x 261	5.0
8011ZR	230/50/1	PSC	34.0	26.0	22.8	16.0	10.0	4.5	-990	143 x 129 x 261	5.0
8015	230/50/1	PSC	28.0	20.5	16.0	10.0	5.3	1.0	-830	122 x 129 x 200	2.5
8015ZP	230/50/1	PSC	50.0	42.0	34.0	22.0	11.5	1.8	-830	122 x 124 x 255	3.9
8015ZR	230/50/1	PSC	29.0	24.5	21.0	14.5	8.6	3.2	-960	122 x 124 x 255	3.9

\*PM = Permanent Magnet, SP = Shaded Pole,

\*PSC=Permanent Split Capacitor, Consult factory for 60 hertz models - minimum quantities apply.

Note: Minimum release quantities or regional availability may apply. Consult factory.

2002



3013



1420 BLDC



1620 VD



7011 DC



8011 Z



# Model Selection



## Diaphragm

107 AC



107 DC



2107



2907



Pressure												
MODEL	MOTOR CAPACITY		FLOW cfm @ psi								MAXIMUM PRESSURE psi	
	VOLTAGE	TYPE*	0	5	10	20	40	60	80	100	CONTINUOUS	INTERMITTENT
007BDC19	12	PM	-	-	-	-	-	-	-	-	-	-
007CDC19	12	PM	0.65	0.61	0.50	0.41	-	-	-	-	15.0	25.0
107AB18XFTLBXX	100/50/1, 115/60/1	SP	0.70	0.60	0.50	0.30	-	-	-	-	20.0	25.0
107CDU18XFTLBXX	220-230/50/1, 230/60/1	SP	0.70	0.60	0.50	0.30	-	-	-	-	20.0	25.0
107ZC18/24	24	BLDC	0.96	0.77	0.63	0.40	-	-	-	-	35.0	35.0
107I220IFTLBXX	12	PM	1.44	1.30	1.15	0.85	-	-	-	-	35.0	35.0
118ZC20/24	24	BLDC	0.92	0.83	0.74	0.54	-	-	-	-	20.0	30.0
118ZC20/24UV	24	BLDC	0.91	0.79	0.71	0.54	-	-	-	-	20.0	30.0
907BDC22	12	PM	-	-	-	-	-	-	-	-	-	-
907CDC18	12	PM	2.05	1.67	1.30	0.72	-	-	-	-	30.0	30.0
907ZC18/24	24	BLDC	2.22	1.69	1.34	0.63	-	-	-	-	25.0	25.0
910CDC22/12	12	PM	1.97	1.72	1.47	1.10	0.48	-	-	-	25.0	40.0
927CA18	115/60/1	SP	1.24	1.11	0.96	0.65	0.24	-	-	-	30.0	40.0
927CD18	220/50/1	SP	1.15	1.00	0.87	0.61	0.21	-	-	-	30.0	40.0
2107A18XSTLNXX	115/60/1	SP	1.60	1.25	-	-	-	-	-	-	5.0	5.0
2107DU18XSTLNXX	220-230/50/1	SP	1.25	1.00	-	-	-	-	-	-	5.0	5.0
2107VA20	115/60/1	SP	-	-	-	-	-	-	-	-	-	-
2107VD20	220/50/1	SP	-	-	-	-	-	-	-	-	-	-
2119VCDU18	220/50/1, 230/50/60/1	SP	-	-	-	-	-	-	-	-	-	-
2119VE20	115/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2907CDC22/12	12	PM	3.20	2.89	2.53	-	-	-	-	-	15.0	15.0

\*PM = Permanent Magnet, SP = Shaded Pole, BLDC=Brushless DC, PSC = Permanent Split Capacitor

Note: Minimum release quantities or regional availability may apply. Consult factory.

# Model Selection


**Diaphragm**

Vacuum											
MODEL	MOTOR CAPACITY		FLOW cfm @ in. Hg						MAX. VACUUM % local barometer in. Hg	DIMENSIONS (H x W x L) in	WEIGHT lb.
	VOLTAGE	TYPE*	0	5	10	15	20	25			
007BDC19	12	PM	1.15	0.75	0.55	0.34	0.15	-	23.0	5.03 x 2.36 x 6.10	2.9
007CDC19	12	PM	0.65	0.48	0.34	0.21	-	-	23.0	5.12 x 3.35 x 6.17	2.9
107AB18XFTLBXX	100/50/1, 115/60/1	SP	0.70	0.57	0.45	0.33	0.20	-	75%	4.68 x 4.25 x 6.35	5.1
107CDU18XFTLBXX	220-230/50/1, 230/60/1	SP	0.70	0.57	0.45	0.33	0.20	-	75%	4.68 x 4.25 x 6.35	5.1
107ZC18/24	24	BLDC	0.96	0.69	0.46	0.29	0.12	-	23.0	4.68 x 4.25 x 6.08	4.5
107I220IFTLBXX	12	PM	1.45	1.10	0.80	0.50	0.20	-	75%	4.68 x 4.25 x 7.17	4.5
118ZC20/24	24	BLDC	0.97	0.67	0.48	0.28	0.14	-	24.2	4.87 x 4.26 x 6.09	4.4
118ZC20/24UV	24	BLDC	0.94	0.76	0.54	0.35	0.16	-	23.8	4.87 x 4.26 x 6.09	4.4
907BDC22	12	PM	2.13	1.34	0.88	0.56	-	-	24.1	5.89 x 4.75 x 7.88	6.5
907CDC18	12	PM	2.05	1.25	0.82	0.48	-	-	22.2	5.89 x 4.75 x 7.88	6.5
907ZC18/24	24	BLDC	2.22	1.59	1.00	0.54	.10	-	21.2	5.89 x 4.75 x 6.59	5.5
910CDC22/12	12	PM	1.97	1.53	1.05	0.65	0.28	-	24.3	5.89 x 4.75 x 7.88	8.3
927CA18	115/60/1	SP	1.24	0.89	0.64	0.36	0.16	-	23.8	6.77 x 4.75 x 7.81	11.0
927CD18	220/50/1	SP	1.15	0.73	0.53	0.33	0.11	-	23.8	6.77 x 4.75 x 7.81	11.0
2107A18XSTLNXX	115/60/1	SP	1.60	1.10	0.74	0.43	0.14	-	75%	4.71 x 4.25 x 7.47	6.0
2107DU18XSTLNXX	220-230/50/1	SP	1.25	0.88	.058	0.31	-	-	70%	4.71 x 4.25 x 7.47	6.0
2107VA20	115/60/1	SP	0.85	0.65	0.49	0.33	0.20	-	28.2	4.71 x 4.25 x 8.11	6.3
2107VD20	220/50/1	SP	0.72	0.56	0.42	0.29	0.17	-	28.3	4.71 x 4.25 x 8.11	6.3
2119VCDU18	220/50/1, 230/50/60/1	SP	0.73	0.62	0.48	0.35	0.22	0.08	26.9	4.85 x 4.20 x 8.67	6.3
2119VE20	115/60/1	PSC	0.82	0.64	0.48	0.33	0.20	0.06	27.1	5.98 x 5.31 x 8.41	7.3
2907CDC22/12	12	PM	3.20	2.00	1.43	0.90	0.41	-	24.0	6.16 x 4.75 x 11.50	11.0

\*PM = Permanent Magnet, SP = Shaded Pole, BLDC=Brushless DC, PSC = Permanent Split Capacitor

Note: Minimum release quantities or regional availability may apply. Consult factory.

007BDC



907



910

