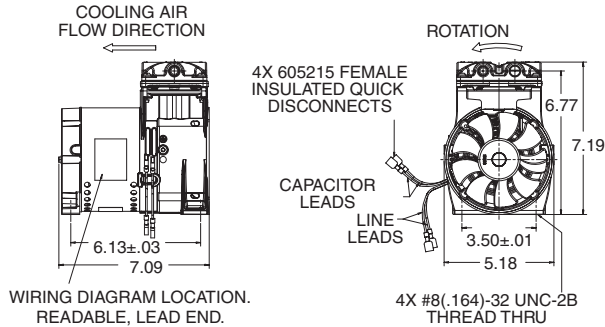


# 668/688 Series Performance Data

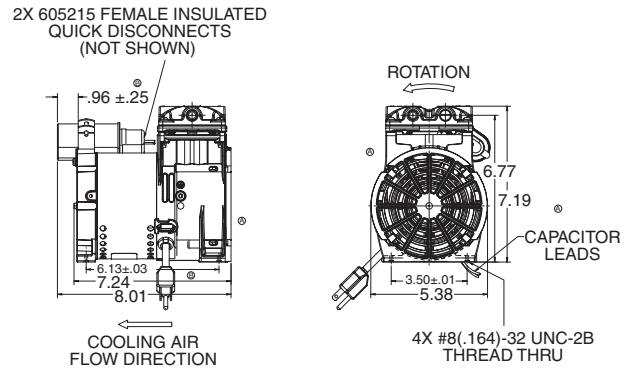
											Standard
MODEL NUMBERS		668CGHI22 688CGHI22		668CGHI32 688CGHI32		668CGHI40 688CGHI40		668CGHI44 688CGHI44		668CS44 688CS44	
HEAD CONFIGURATION		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum		Pressure/Vacuum	
STROKE		.220 Inches		.320 Inches		.400 Inches		.440 Inches		.440 Inches	
PRESSURE		Flow @ 220v/50-230v/60		Flow @ 220v/50-230v/60		Flow @ 220v/50-230v/60		Flow @ 220v/50-230v/60		Flow @ 100v/50-60 Hz	
CFM @ PSI	LPM @ bar										
PSI	bar	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM
0	0	.68 / .80	19.3 / 22.7	1.00 / 1.23	28.3 / 34.8	1.19 / 1.40	33.7 / 39.6	1.27 / 1.50	35.9 / 42.4	1.30 / 1.55	36.8 / 43.9
10	.5	.62 / .74	18.0 / 21.4	.92 / 1.13	26.7 / 32.8	1.13 / 1.33	32.5 / 38.2	1.22 / 1.43	34.9 / 41.0	1.25 / 1.50	35.7 / 42.8
20	1.0	.54 / .62	16.5 / 19.4	.84 / .97	25.0 / 30.0	1.07 / 1.24	31.2 / 36.5	1.14 / 1.33	33.5 / 39.2	1.16 / 1.41	34.1 / 41.2
30	1.5	.45 / .56	14.8 / 17.3	.75 / .90	23.3 / 27.1	.98 / 1.15	29.9 / 34.7	1.09 / 1.22	32.0 / 37.1	1.08 / 1.28	32.4 / 39.2
40	2.0	.39 / .48	13.0 / 16.0	.67 / .83	21.5 / 25.7	.89 / 1.06	28.0 / 32.8	.94 / 1.17	31.0 / 34.8	.99 / 1.18	30.8 / 36.6
50	3.0	.34 / .41	10.5 / 12.9	.60 / .72	18.3 / 22.4	.83 / .96	24.6 / 29.0	.86 / 1.04	25.8 / 31.8	.88 / 1.10	27.0 / 32.6
60	5.0	.27 / .34	6.4 / 7.5	.54 / .66	13.2 / 16.3	.72 / .89	18.0 / 22.2	.82 / 1.00	21.3 / 26.5	.79 / 1.03	20.2 / 25.9
70	7.0	.24 / .28	2.4 / 2.9	.48 / .59	8.8 / 11.6	.65 / .80	13.3 / 16.4	.77 / .96	16.1 / 20.6	.73 / .94	14.7 / 19.2
80		.19 / .22		.42 / .54		.59 / .74		.70 / .87		.66 / .84	
90		.12 / .17		.37 / .49		.54 / .65		.64 / .80		.59 / .76	
100		.09 / .11		.32 / .42		.48 / .59		.58 / .74		.53 / .69	
MAX. CONTINUOUS PRESSURE		100 PSI	6.9 bar	100 PSI	6.9 bar	100 PSI	6.9 bar	100 PSI	6.9 bar	100 PSI	6.9 bar
MAX. INTERMITTENT PRESSURE		100 PSI	6.9 bar	100 PSI	6.9 bar	100 PSI	6.9 bar	100 PSI	6.9 bar	100 PSI	6.9 bar
VACUUM		Flow @ 220v/50-230v/60		Flow @ 220v/50-230v/60		Flow @ 220v/50-230v/60		Flow @ 220v/50-230v/60		Flow @ 100v-50/60 Hz	
CFM @ IN. hg	LPM @ mbar (gauge)										
IN. hg	mbar (gauge)	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM	CFM	LPM
0	0	.68 / .80	19.3 / 22.7	1.00 / 1.23	28.3 / 34.8	1.19 / 1.40	33.7 / 39.6	1.27 / 1.50	36.0 / 42.5	1.30 / 1.55	36.8 / 43.9
5	-100	.62 / .74	18.3 / 21.6	.81 / .96	25.1 / 30.3	1.00 / 1.17	30.5 / 35.8	1.22 / 1.43	35.1 / 41.3	1.12 / 1.33	33.8 / 40.2
10	-200	.38 / .50	16.3 / 19.7	.61 / .73	21.9 / 26.0	.76 / .91	27.1 / 31.8	.81 / .97	32.4 / 38.1	.85 / 1.04	30.3 / 36.2
15	-400	.26 / .33	9.5 / 12.4	.42 / .48	15.3 / 18.1	.51 / .61	19.0 / 22.7	.55 / .67	20.3 / 24.4	.61 / .73	21.6 / 26.3
20	-600	.13 / .16	5.4 / 6.7	.23 / .27	9.0 / 10.4	.30 / .33	11.2 / 13.0	.32 / .38	12.0 / 14.5	.35 / .39	13.3 / 15.4
25	-800	.02 / .03	1.4 / 1.9	.07 / .07	3.2 / 3.5	.10 / .11	4.4 / 4.8	.09 / .11	4.3 / 5.2		4.6 / 4.1
MAX. VACUUM		26.0" hg	-880 mbar	27.0" hg	-914 mbar	27.5" hg	-931 mbar	27.5" hg	-931 mbar	27.5" hg	-931 mbar
MAX. AMBIENT AIR TEMP.		104° F	40°C	104° F	40°C	104° F	40°C	104° F	40°C	104° F	40°C
MIN. AMBIENT START TEMP.		50° F	10°C	50° F	10°C	50° F	10°C	50° F	10°C	50° F	10°C
MAX. RESTART PRESSURE		0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar	0 PSI	0 bar
MAX. RESTART VACUUM		0"hg	0 mbar	0"hg	0 mbar	0"hg	0 mbar	0"hg	0 mbar	0"hg	0 mbar
MOTOR VOLTAGE/FREQUENCY		220-240/50/1 - 230/60/1		220-240/50/1 - 230/60/1		220-240/50/1 - 230/60/1		220-240/50/1 - 230/60/1		100-50/60/1	
MOTOR TYPE		Permanent Split Cap.		Permanent Split Cap.		Permanent Split Cap.		Permanent Split Cap.		Permanent Split Cap.	
CURRENT AT RATED LOAD (AMPS)		.8 / .9		1.5 / 1.3		1.5 / 1.3		1.5 / 1.3		4.7 / 3.2	
POWER AT RATED LOAD (WATTS)		140 / 160		200 / 200		240 / 240		270 / 270		300 / 255	
STARTING CURRENT (LOCKED ROTOR, AMPS)		3.9 / 3.8		3.9 / 3.8		3.9 / 3.8		3.9 / 3.8		12.0 / 11.0	
CAPACITOR VALUE		8 mfd		8 mfd		8 mfd		8 mfd		8 mfd	
MIN. FULL LOAD SPEED (RPM)		1460 / 1760		1420 / 1700		1400 / 1700		1400 / 1700		1380 / 1720	
THERMAL PROTECTOR		Yes		Yes		Yes		Yes		Yes	
NET WEIGHT		13.0 lbs.	5.9 kg	13.0 lbs.	5.9 kg	13.75 lbs.	6.2 kg	14.5 lbs.	6.6 kg	14.5 lbs.	6.6 kg

# Dimensions

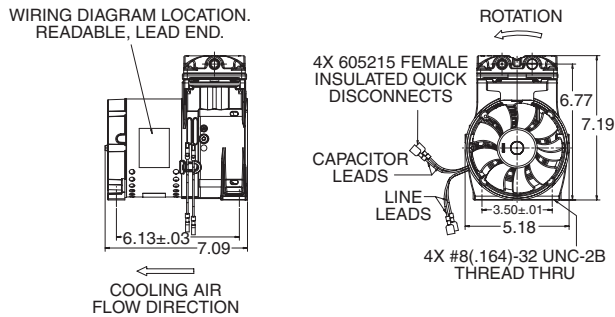
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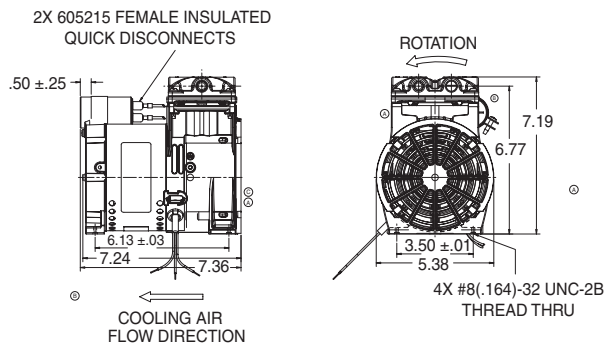
## 688CE



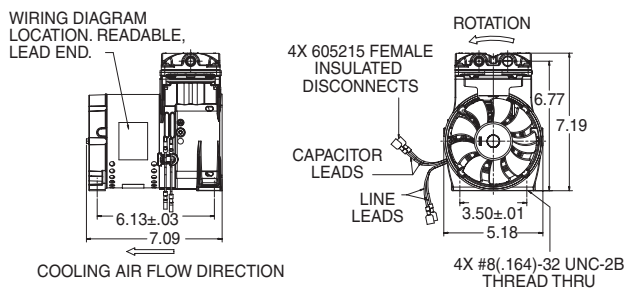
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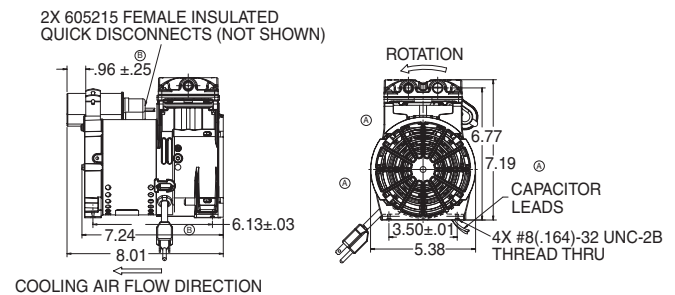
## 688CGHI



## 668CS



## 688CS



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