

PRODUCT INFORMATION & SPECIFICATIONS

Compressor
solutions
that exceed
expectations.

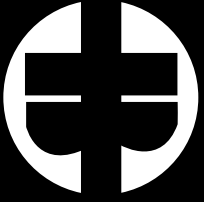


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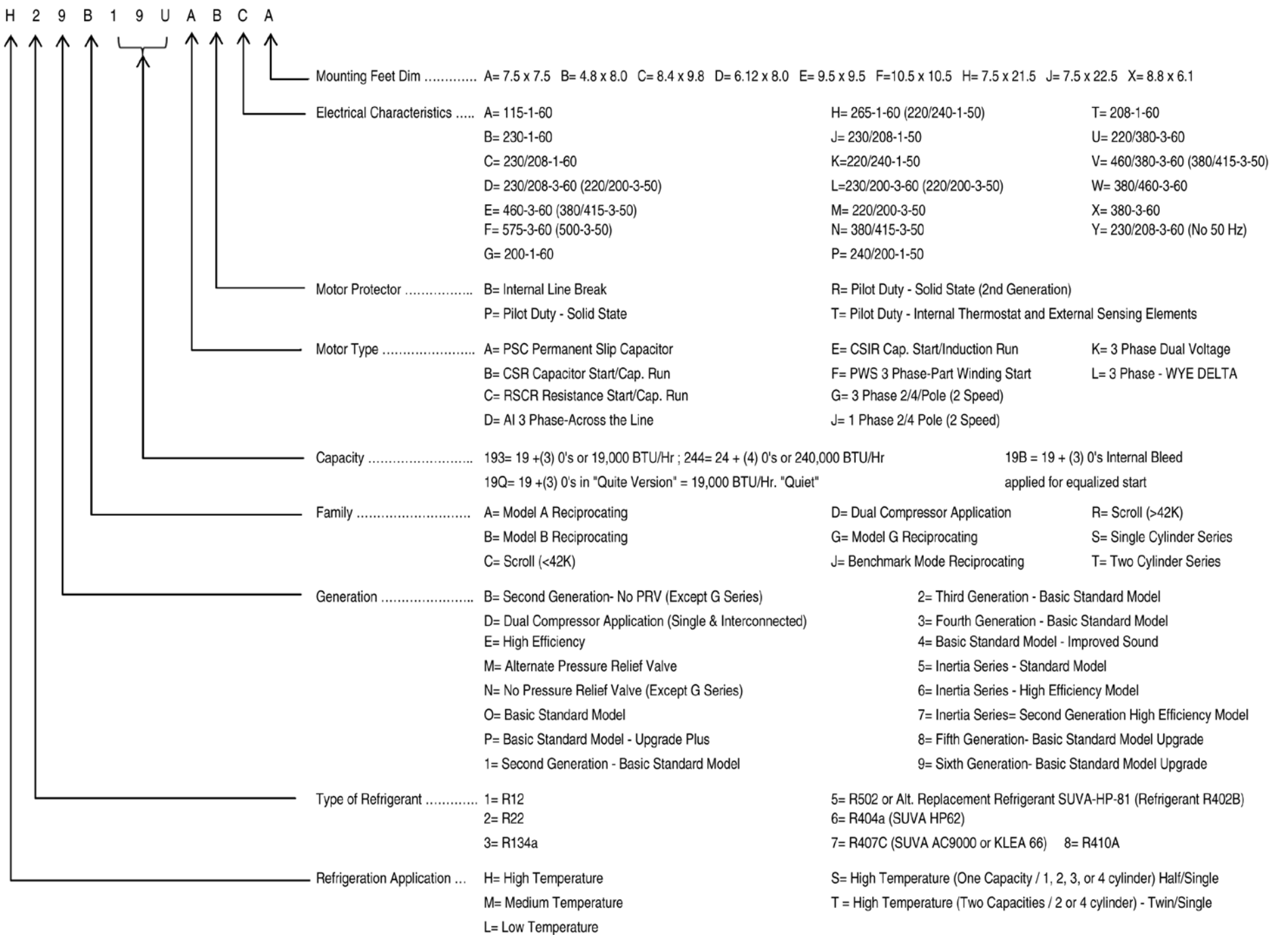
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NOTE:

**PLEASE REFER
TO THIS
COMPRESSOR
MODEL NUMBER
SYSTEM
FOR CONVENIENT
CROSS
REFERENCE**

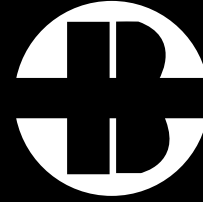


COMPRESSOR MODEL NUMBER SYSTEM



H79A SERIES (R407C)

Model	@45/130					@45/100		
	Capacity		Motor Input	EER/COP		Capacity	Motor Input	EER
	BTU/H	WATTS		BTU/WH	W/W			
380/415 VOLTS - 3 Phase								
H79A383DBV	29480	8638	2740	10.8	3.2	36948	2137	17.3
H79A423DBV	33900	9933	3050	11.1	3.3	43063	2374	18.1
H79A473DBV	37170	10891	3360	11.1	3.2	45196	2533	17.8
H79A503DBV	34618	10158	3217	10.8	3.2	48258	2620	18.4
H79A563DBV	44800	13126	3960	11.3	3.3	53050	2960	17.9
H79A623DBV	50100	14679	4410	11.4	3.3	59094	3287	18.0
H79A723DBV	59500	17434	5470	10.9	3.2	66411	4104	16.2



Electrical Data			Displacement		
RLA	LRA	MCC	IN ³ /REV	CM ³ /REV	
4.8	54	11.0	4.15	67.92	
5.9	67	12.0	4.49	73.51	
5.5	64	11.0	4.94	80.92	
5.8	62	13.0	5.14	84.18	
7.0	79	15.5	5.70	93.39	
7.9	76	18.0	6.03	98.85	
9.6	79	14.0	7.15	117.12	

H79A SERIES (R407C)

460/380 VOLTS - 3 Phase								
H79A383DBV	36700	10753	3270	11.2	3.3	45271	2553	17.7
H79A423DBV	42520	12458	3770	11.3	3.3	51697	2844	18.2
H79A473DBV	45520	13337	4060	11.2	3.3	57380	3190	18.0
H79A503DBV	43720	12828	4120	10.6	3.1	59030	3300	17.9
H79A563DBV	54300	15910	4800	11.3	3.3	63000	3640	17.3
H79A723DBV	70570	20677	6620	10.7	3.1	79800	5040	15.8

4.8	54	10.5	4.15	67.92	
5.6	64	12.0	4.49	73.51	
6.3	64	12.0	4.94	80.92	
6.6	69	12.0	5.14	84.19	
7.0	75	15.5	5.70	93.39	
9.4	84	16.0	6.28	102.96	

*Data Subject to Revision

50 HZ

Model	Oil Charge		Weight				ELECTRICAL START COMPONENTS			DIMENSIONS					
							Run Capacitor	Start Capacitor	G.E. Relay	*DIAGRAMS FOUND ON PAGE 46					
	OZ	L	Net	Ship	Kg	MFD/VOLTS	MFD/VOLTS		A		B		C		
H79A383DBV	65	1.9	94.0	42.6	98.5	44.7	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.2	16.1	409.2	16.4	416.3
H79A423DBV	65	1.9	94.0	42.6	98.5	44.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8
H79A473DBV	65	1.9	94.5	42.9	98.5	44.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8
H79A503DBV	65	1.9	100.5	45.7	104.5	47.5	-Not Req'd	-Not Req'd	-Not Req'd	15.2	387.0	17.4	441.1	17.7	449.0
H79A563DBV	65	1.9	105.5	47.9	109.5	49.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8
H79A623DBV	65	1.9	105.0	47.6	109.5	49.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8
H79A723DBV	65	1.9	105.0	47.6	109.5	49.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8

60 HZ

H79A383DBV	65	1.9	94.0	42.6	98.5	44.7	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.2	16.1	409.2	16.4	416.3
H79A423DBV	65	1.9	94.0	42.6	98.5	44.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8
H79A473DBV	65	1.9	94.5	42.9	98.5	44.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8
H79A503DBV	65	1.9	100.5	45.7	104.5	47.5	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8
H79A563DBV	65	1.9	105.5	47.9	109.5	49.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8
H79A723DBV	65	1.9	105.0	47.6	109.5	49.7	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8



Bristol Compressors International, Inc.
15185 Industrial Park Road
Bristol, VA 24202
Phone: (276) 466-4121 • Fax: (276) 645-2494
www.bristolcompressors.com

380/415-3-50Hz
R407C -Dew Point
11°K Superheat
8°K Subcooling
35°C Ambient
@380-3-50

Performance Table for H79A723DBV

Cond. Temp.		Nominal performance ±5% based on 72 hr run-in								Evap. Temp. 10°C
		-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	
25°C	Capacity	2712	3804	5430	7527	10027	12866	15978	19298	22761
	Power	1608	1867	2161	2460	2733	2948	3077	3087	2949
	Current	4.4	4.5	4.8	5.2	5.6	5.9	6.1	6.1	5.9
	MassFlow	52.5	72.4	102.1	139.8	183.7	232.1	283.1	335.0	386.1
	COP	1.69	2.04	2.51	3.06	3.67	4.36	5.19	6.25	7.72
	Efficiency									
30°C	Capacity	2431	3484	5103	7221	9773	12695	15919	19382	23017
	Power	1587	1875	2208	2556	2888	3172	3380	3479	3439
	Current	4.4	4.6	4.9	5.3	5.7	6.2	6.5	6.6	6.5
	MassFlow	49.0	68.8	99.4	138.9	185.6	237.8	293.6	351.3	409.2
	COP	1.53	1.86	2.31	2.83	3.38	4.00	4.71	5.57	6.69
	Efficiency									
35°C	Capacity	2102	3060	4613	6696	9244	12191	15471	19019	22770
	Power	1553	1868	2239	2634	3023	3375	3660	3846	3903
	Current	4.4	4.6	5.0	5.4	5.9	6.4	6.8	7.1	7.1
	MassFlow	44.6	63.2	93.6	133.9	182.4	237.3	296.9	359.4	423.0
	COP	1.35	1.64	2.06	2.54	3.06	3.61	4.23	4.95	5.83
	Efficiency									
40°C	Capacity	1798	2604	4035	6026	8512	11427	14706	18283	22093
	Power	1503	1844	2250	2690	3135	3553	3913	4184	4337
	Current	4.4	4.6	5.0	5.5	6.1	6.7	7.2	7.5	7.7
	MassFlow	40.4	56.8	85.9	125.9	175.1	231.8	294.1	360.3	428.6
	COP	1.20	1.41	1.79	2.24	2.72	3.22	3.76	4.37	5.09
	Efficiency									
45°C	Capacity	1592	2189	3441	5283	7650	10477	13698	17246	21058
	Power	1432	1797	2237	2722	3220	3702	4135	4491	4737
	Current	4.4	4.6	5.0	5.6	6.3	6.9	7.5	8.0	8.3
	MassFlow	37.4	50.5	77.3	116.0	164.9	222.3	286.3	355.2	427.2
	COP	1.11	1.22	1.54	1.94	2.38	2.83	3.31	3.84	4.45
	Efficiency									
50°C	Capacity		1887	2903	4540	6731	9413	12518	15982	19738
	Power		1725	2198	2724	3275	3818	4324	4762	5100
	Current		4.5	5.0	5.6	6.4	7.1	7.8	8.4	8.8
	MassFlow		45.4	68.9	105.3	152.9	209.9	274.5	345.1	419.7
	COP		1.09	1.32	1.67	2.06	2.47	2.89	3.36	3.87
	Efficiency									
55°C	Capacity			2495	3869	5828	8307	11240	14562	18207
	Power			2127	2694	3295	3899	4475	4993	5422
	Current			4.9	5.6	6.4	7.3	8.1	8.8	9.3
	MassFlow			61.8	94.8	140.0	195.6	259.9	331.0	407.2
	COP			1.17	1.44	1.77	2.13	2.51	2.92	3.36
	Efficiency									
60°C	Capacity				3344	5013	7233	9937	13059	16535
	Power				2628	3278	3940	4585	5181	5698
	Current				5.4	6.3	7.3	8.2	9.0	9.7
	MassFlow				85.6	127.4	180.6	243.4	314.1	390.9
	COP				1.27	1.53	1.84	2.17	2.52	2.90
	Efficiency									
65°C	Capacity				3036	4359	6263	8681	11547	14798
	Power				2522	3219	3938	4649	5322	5926
	Current				5.2	6.1	7.2	8.2	9.2	10.0
	MassFlow				78.9	116.2	165.9	226.2	295.4	371.7
	COP				1.20	1.35	1.59	1.87	2.17	2.50
	Efficiency									

Units: Capacity (Watt), Power(Watt), Current (Amp), Mass Flow(kg/hr), COP, Efficiency(%)

H79A723DBV Revision: 3