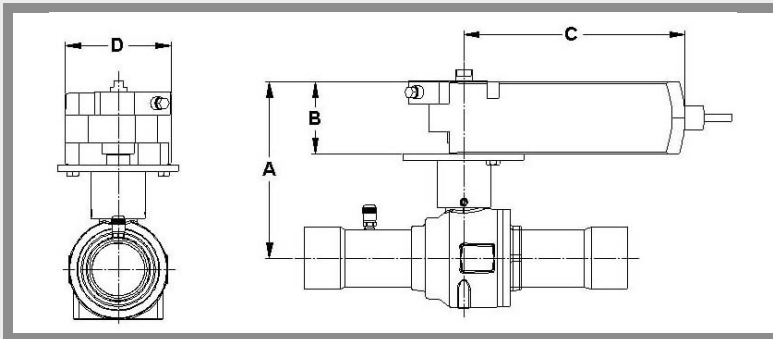


## Actuated Standard



### Features:

- Maximum working pressure (PS): 700 psig, 48 bar
- Power Supply: 24 VAC
- Ambient Temperature: -22°F to 130°F, -30°C to 54°C
- Compatible with all CFC, HCFC and HFC refrigerants and oils
- Full shutoff capability
- Gradual open/close stops line hammer
- Remote operating capability
- Removable actuator for quick change replacement
- Manual override and valve positioning
- Electronic overload protection
- UL/cUL Listed, CE Certified



### References:

- \* Reduced Port
- \*\* Consists of two stacked motors operating in tandem
- ^ Optimized valves are rated for 775 psig (53 bar)
- Prefix AWS Actuator includes auxillary switch
- Warning Heater assembly required for low temperature applications
- Warning Motors not for use in wet or applications where moisture will condense on motor

Part Number	Size		Cv	Kv	A		B		C Min		D		Wt		Motor	Hub Kit	Actuator Kit	Heater
	in	mm			in	mm	in	mm	in	mm	in	mm	lb	kg				
AW17861	1/2	13	6.20	5	4.18	106	2.36	60	3.70	94	2.76	70	2.21	1.00	1	A 18389	A 18390	
AW17862	5/8	16	12.10	10	4.18	106	2.36	60	3.70	94	2.76	70	2.38	1.08	1	A 18389	A 18390	
AW17863	^	3/4	19.00	16	4.21	107	2.36	60	3.70	94	2.76	70	2.84	1.29	1	A 18391	A 18392	
AW17864	^	7/8	27.50	24	4.21	107	2.36	60	3.70	94	2.76	70	2.42	1.10	1	A 18391	A 18392	
AW17865	^	1 1/8	54.00	47	4.58	116	2.36	60	3.70	94	2.76	70	3.10	1.41	1	A 18391	A 18392	
AW17866	^	1 3/8	89.10	77	5.05	128	2.36	60	5.91	150	3.19	81	5.53	2.51	2	A 18393	A 18394	A 18366
AW17867	1 5/8	41	114.00	99	5.92	150	2.36	60	5.91	150	3.19	81	7.74	3.51	2	A 18368	A 18396	A 18366
AW17868	2 1/8	54	244.00	211	6.54	166	2.66	68	8.94	227	3.94	100	13.14	5.96	3	A 18368	A 18395	A 18367
AW17869	**	2 5/8	401.00	347	9.64	245	5.32	135	8.94	227	3.94	100	23.40	10.61	4	A 18400	A 18401	A 18367 (2)
AW17870	**	3 1/8	553.00	478	9.99	254	5.32	135	8.94	227	3.94	100	31.40	14.24	4	A 18400	A 18401	A 18367 (2)
AW17871	*	2 5/8	230.00	199	6.54	166	2.66	68	8.94	227	3.94	100	13.56	6.15	3	A 18368	A 18395	A 18367
AW17872	*	3 1/8	143.00	124	6.54	166	2.66	68	8.94	227	3.94	100	14.24	6.46	3	A 18368	A 18395	A 18367

## Motor Specifications:

### Motor 1

- Running Time: 90 seconds
- Torque: 44 in-lb
- Power Consumption: 2.5

### Motor 2

- Torque: 132 in-lb
- Running Time: 125 seconds
- Running Time: 125 seconds
- Running Time: 125 seconds
- Power Consumption: 3.0

### Motor 3

- Torque: 310 in-lb
- Running Time: 125 seconds
- Running Time: 125 seconds
- Running Time: 125 seconds
- Power Consumption: 7.0

### Motor 4

- Torque: 620 in-lb
- Power Consumption: 16.0
- Running Time: 125 seconds
- Running Time: 125 seconds
- Running Time: 125 seconds



Tonnage calculations are based on the following conditions:

- Evaporator temperature: 10°F
- Vapor temperature exiting evaporator: 10°F superheated
- Liquid temperature entering evaporator: 100°F
- Hot gas temperature: 140°F
- Pressure drop across valve: 1 psig

Part Number	Liquid Capacity (tons)					Suction Capacity (tons)					Hot Gas Capacity (tons)				
	R22	R134a	R404A/ R507	R407C	R410A	R22	R134a	R404A/ R507	R407C	R410A	R22	R134a	R404A/ R507	R407C	R410A
AW17861	19.0	17.7	12.2	18.13	17.8	2.7	2.1	2.2	2.52	3.1	3.9	3.2	3.2	4.05	4.5
AW17862	36.9	34.5	23.8	35.27	34.6	5.2	4.1	4.3	4.90	6.0	7.5	6.2	6.2	7.87	8.7
AW17863	58.0	54.1	37.4	55.40	54.4	8.1	6.4	6.8	7.69	9.5	11.8	9.7	9.7	12.37	13.7
AW17864	84.1	78.4	54.2	80.27	78.8	11.8	9.2	9.8	11.15	13.7	17.1	14.1	14.0	17.92	19.8
AW17865	165.3	154.3	106.5	157.86	154.9	23.2	18.1	19.4	21.92	27.0	33.7	27.7	27.6	35.24	38.9
AW17866	272.9	254.7	175.8	260.62	255.8	38.3	29.9	32.0	36.19	44.6	55.6	45.7	45.6	58.18	64.2
AW17867	348.7	325.3	224.6	332.95	326.8	49.0	38.2	40.8	46.23	57.0	71.1	58.4	58.3	74.33	82.1
AW17868	746.8	696.9	481.2	713.19	699.9	104.9	81.9	87.5	99.03	122.2	152.3	125.0	124.8	159.21	175.8
AW17869	1227.6	1145.5	791.0	1172.30	1150.5	172.4	134.6	143.8	162.78	200.8	250.3	205.5	205.2	261.71	289.0
AW17870	1693.7	1580.4	1091.3	1617.41	1587.4	237.9	185.8	198.4	224.58	277.0	345.3	283.5	283.1	361.08	398.7
AW17871	705.3	658.2	454.5	673.57	661.1	99.1	77.4	82.6	93.53	115.4	143.8	118.1	117.9	150.37	166.0
AW17872	439.3	409.9	283.0	419.50	411.7	61.7	48.2	51.5	58.25	71.9	89.6	73.5	73.4	93.65	103.4