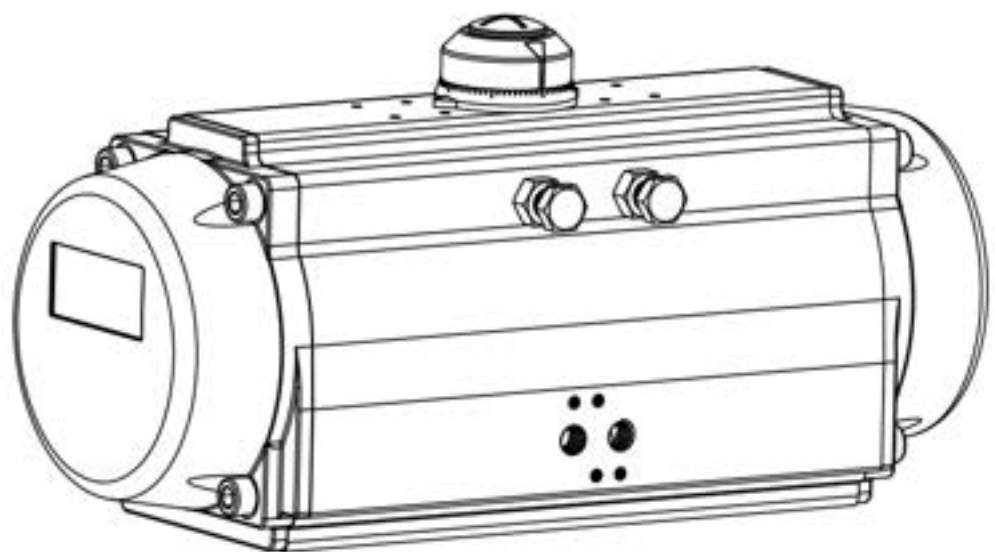


KINGACT

PNEUMATIC ACTUATOR JHA SERIES DATASHEET



QUALITY / INNOVATION / TECHNOLOGY

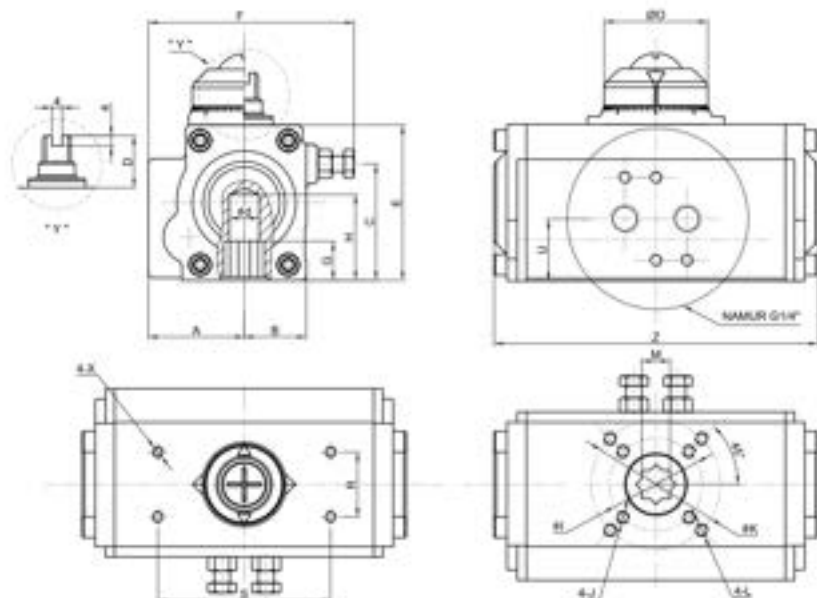


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JHA0012 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		40	mm
Weight	SR	1,05	kg
	DA	0,95	kg
Air volume	SR Open	0,07	L
	SR Close	0,07	L
	DA Open	0,07	L
	DA Close	0,08	L
Pressure range	MOP	8	bar (g)
	SR	2,5-8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ²	Open	0,11	s
	Close	0,11	s
Cycle speed SR ²	Open	0,1	s
	Close	0,1	s
Temperature		-20°C to +60°C	
Stroke		90°	
Over/ undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 8 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	ØI	J	ØK	L	M	R	S	X	O	U	Ød	Z	Air connection
JHA0012DA	37	24	45	20	60	79	15	33	Ø36	M5x8	Ø50	M6x10	11	30	80	M5x8	40	24	Ø12	125 150	NAMUR G1/4"
JHA0012SR																					

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)							
	2	3	4	4.5	5	5.5	6	7
JHA0012DA	5	7	10	11	12	13	14	17

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)															
	4		4.5		5		5.5		6		7		8		Spring Output	
	Spring	Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
JHA0012SR	K2	4.6	2.5	5.7	3.7	6.9	4.9	8.1	6.1	9.3	7.3	11.7	9.7	14.1	12.1	7

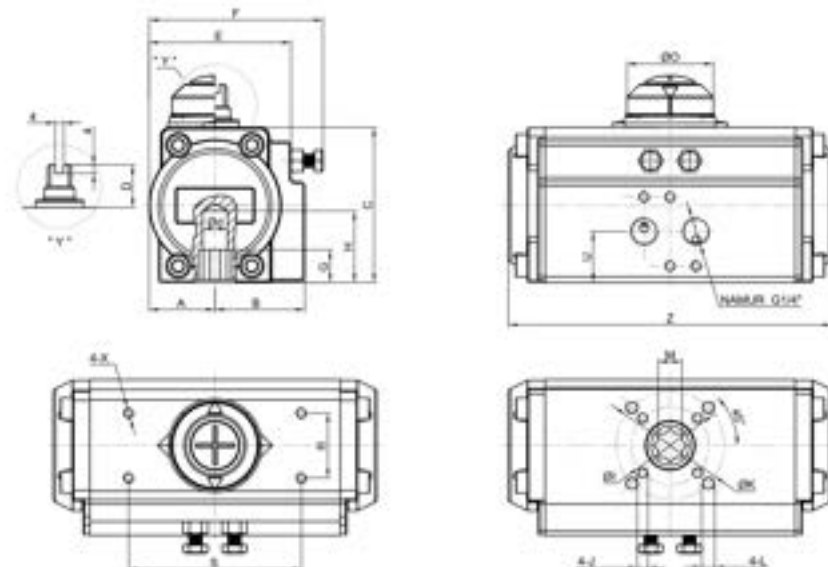
Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA0020 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters

Cylinder bore		52	mm
Weight	SR	1,45	kg
	DA	1,35	kg
Air volume	SR Open	0,12	L
	SR Close	0,14	L
	DA Open	0,12	L
	DA Close	0,17	L
Pressure range	MOP	8	bar (g)
	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	0,12	s
	Close	0,11	s
Cycle speed SR ²	Open	0,2	s
	Close	0,17	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/ undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 8 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Air connection
JHA0020DA	31	42	72	20	66	81	15	33	Ø36	M5x8	Ø50	M6x10	11	30	80	M5x8	40	24	Ø12	150	NAMUR G1/4"						
JHA0020SR																											

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4,5	5	5,5	6	7	8
JHA0020DA	8	12	16	18	20	22	24	28	32

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
JHA0020SR	K5	5	2.6	7	4.6	11.1	8.7													7.5	5.1
	K8			5.3	2.1	9.4	6.2	11.4	8.2	13.4	10.2	15.4	12.2	17.4	14.2					10	6.8
	K10					7.7	3.7	9.7	5.7	11.7	7.7	13.7	9.7	15.7	11.7	19.8	15.8			12.5	8.5
	K12									10	5.2	12	7.2	14.0	9.2	18.1	13.3	22.1	17.3	15	10.2

Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)

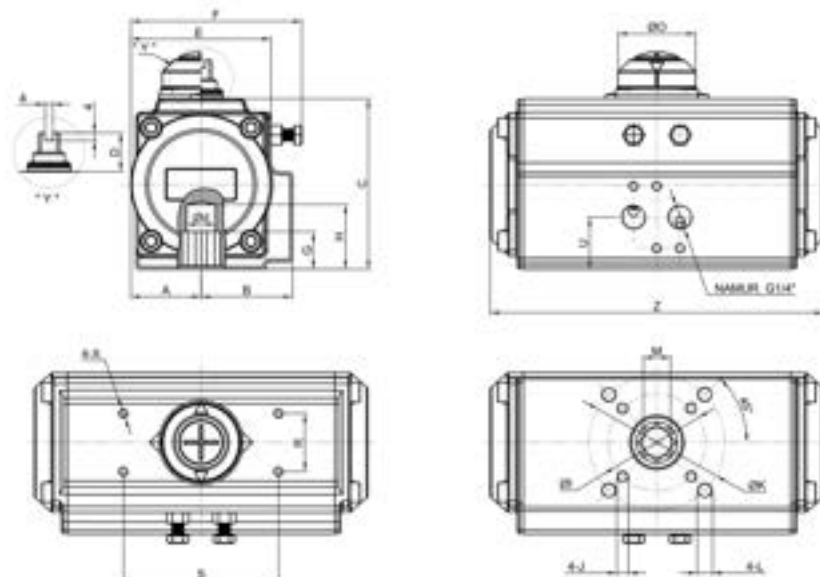


Lloyd's Register



JHA0035 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters

Cylinder bore		63	mm
Weight	SR	2.3	kg
	DA	2.15	kg
Air volume	SR Open	0.21	L
	SR Close	0.24	L
	DA Open	0.21	L
	DA Close	0.29	L
Pressure range	MOP	8	bar (g)
	SR	2.5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	0.17	s
	Close	0.16	s
Cycle speed SR ²	Open	0.23	s
	Close	0.2	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/ undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 8 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	ØI	J	ØK	L	M	R	S	X	O	U	Ød	Z	Air connection
JHA0035DA	36	47	88	20	72	88	19	33	Ø50	M6x10	Ø70	M6x13	14	30	60	M5x8	40	27	Ø15	172	NAMUR G1/4"
JHA0035SR																					

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4.5	5	5.5	6	7	8
JHA0035DA	14	22	29	32	36	40	43	50	57

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"
JHA0035SR	K6	9,6	5,1	13,1	8,6	20,2	15,7	23,8	19,2	27,3	22,8									12,7	8,2
	K8			10,4	4,4	17,5	11,5	21,0	15,0	24,6	18,6	28,2	22,2	31,7	25,7	38,8	32,8			16,9	11,0
	K10					14,7	7,3	18,3	10,8	21,9	14,4	25,4	17,9	29,0	21,5	36,1	28,6	43,2	35,7	21,2	13,7
	K12									19,1	10,1	22,7	13,7	26,2	17,3	33,3	24,4	40,5	31,5	25,4	16,4

Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)

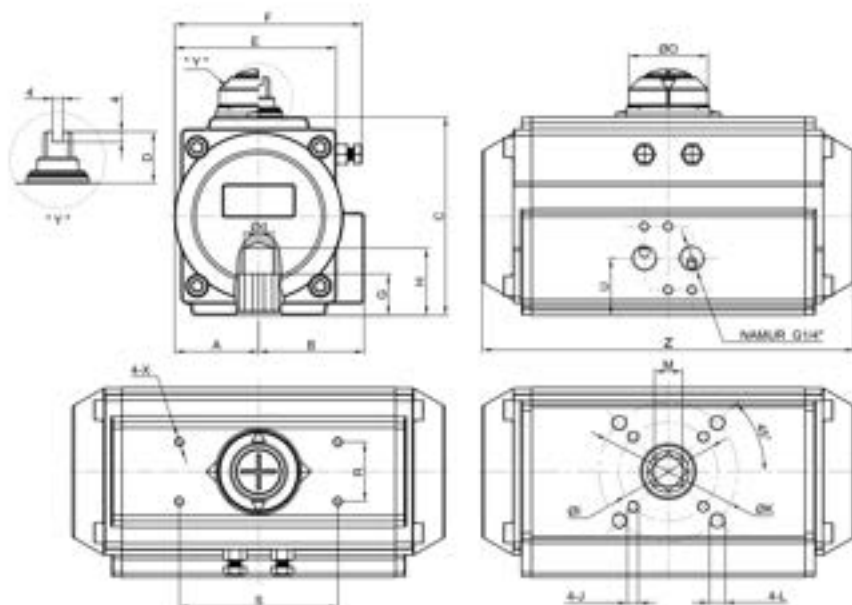


Lloyd's Register



JHA0050 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		75	mm
Weight	SR	2,8	kg
	DA	2,6	kg
Air volume	SR Open	0,29	L
	SR Close	0,37	L
	DA Open	0,29	L
	DA Close	0,43	L
Pressure range	MOP	8	bar (g)
	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	0,18	s
	Close	0,17	s
Cycle speed SR ²	Open	0,3	s
	Close	0,2	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 6 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	ØI	J	ØK	L	M	R	S	X	O	U	ØS	Z	Air connection
JHA0050DA	42	53	100	20	82	94	20	33	Ø50	M8x10	Ø70	M8x13	14	30	80	M5x8	40	29	Ø15	188	NAMUR G1/4"
JHA0050SR																					

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4,5	5	5,5	6	7	8
JHA0050DA	20	31	41	46	51	56	61	71	81

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
JHA0050SR	K6	12,5	7,6	17,6	12,7	27,7	22,8	32,7	27,8	37,7	32,8									17,6	12,7
	K8			13,4	6,8	23,4	16,9	28,4	22,0	33,5	27	38,6	32	43,6	37,1	53,7	47,1			23,4	16,9
	K10					19,2	11	24,2	16	29,3	21,1	34,3	26,2	39,4	31,2	49,5	41,3	59,5	51,4	29,3	21,2
	K12									25,1	15,3	30,1	20,3	35,2	25,4	45,2	35,4	55,3	45,5	35,1	25,3

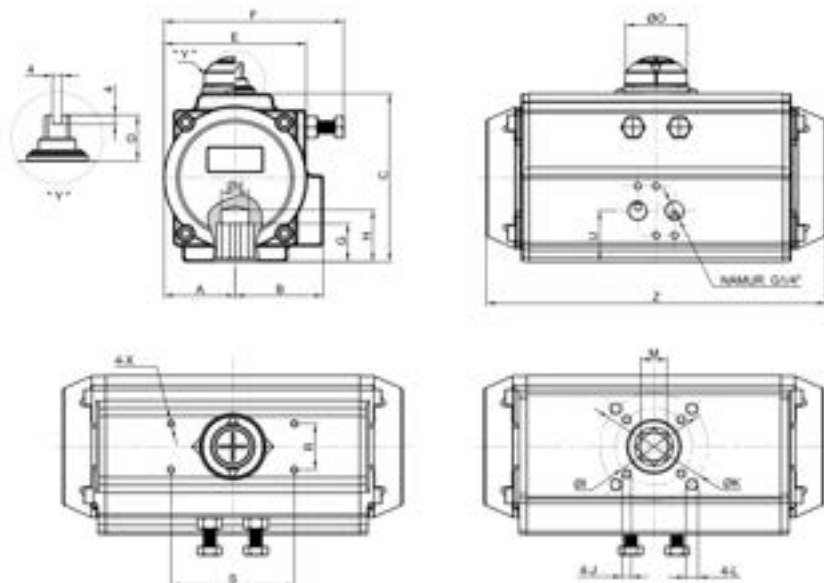
Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA0075 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		83	mm
Weight	SR	3,7	kg
	DA	3,4	kg
Air volume	SR Open	0,42	L
	SR Close	0,55	L
	DA Open	0,42	L
	DA Close	0,65	L
Pressure range	MOP	8	bar (g)
	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	0,22	s
	Close	0,21	s
Cycle speed SR ²	Open	0,37	s
	Close	0,29	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 8 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	ØI	J	ØK	L	M	R	S	X	O	U	Ød	Z	Air connection
JHA0075DA	46	57	109	20	92	117	24	33	Ø50	M6x10	Ø70	M8x13	17	30	80	M5x8	40	33	Ø18	221	NAMUR G1/4"
JHA0075SR																					

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4,5	5	5,5	6	7	8
JHA0075DA	31	47	62	70	78	86	94	109	125

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
JHA0075SR	K6	19,6	10,6	27,3	18,3	42,8	33,8	50,5	41,5	58,2	49,2									28	19
	K8			21	9	36,4	24,4	44,1	32,1	51,9	39,9	59,6	47,6	67,3	55,3	82,7	70,7			37,3	25,3
	K10					30,1	15,1	37,8	22,8	45,5	30,6	53,3	38,3	61	46	76,4	61,4	91,8	76,8	46,6	31,6
	K12									39,2	21,2	46,9	29,0	54,7	36,7	70,1	52,1	85,5	67,5	55,9	37,9

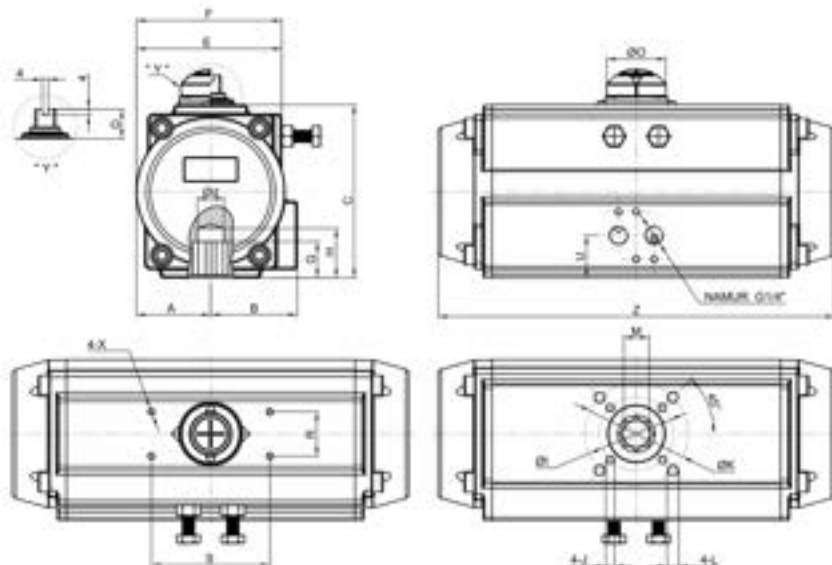
Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA0110 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters

Cylinder bore		92	mm
Weight	SR	5,15	kg
	DA	4,55	kg
Air volume	SR Open	0,68	L
	SR Close	0,81	L
	DA Open	0,68	L
	DA Close	0,97	L
Pressure range	MCP	8	bar (g)
	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA *	Open	0,27	s
	Close	0,26	s
Cycle speed SR *	Open	0,28	s
	Close	0,33	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 8 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	ØI	J	ØK	L	M	R	S	X	O	U	Ød	Z	Air connection
JHA0110DA	50	59	117	20	98	124	24	33	Ø50	M6x10	Ø70	M8x13	17	30	80	M5x8	40	29	Ø18	268	NAMUR G1/4"
JHA0110SR																					

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4,5	5	5,5	6	7	8
JHA0110DA	46	69	92	103	115	126	138	161	184

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"
JHA0110SR	K6	28,9	15,1	40,2	26,5	63	49,3	74,3	60,6	85,7	72									41,7	28
	K8			30,9	12,6	53,6	35,4	65	46,75	76,4	58,1	87,8	69,5	99,1	80,9	121,9	103,6			55,6	37,4
	K10					44,3	21,5	55,7	32,85	67,1	44,2	78,4	55,6	89,8	67	112,6	89,7	135,3	112,5	69,5	46,7
	K12									57,7	30,3	69,1	41,7	80,5	53	103,2	75,8	126	98,5	83,4	56

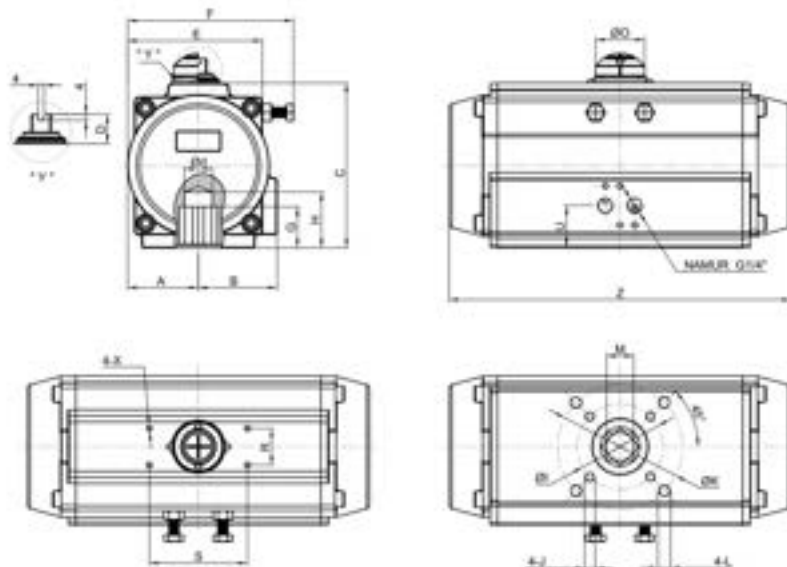
Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA0160 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		105	mm
Weight	SR	6,6	kg
	DA	5,9	kg
Air volume	SR Open	0,92	L
	SR Close	1,14	L
	DA Open	0,92	L
	DA Close	1,35	L
Pressure range	MOP	8	bar (g)
	SR	2,5 ~ 8	bar (g)
	DA	2 ~ 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ²	Open	0,33	s
	Close	0,33	s
Cycle speed SR ¹	Open	0,41	s
	Close	0,46	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/ undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 8 mm, and the temperature is room temperature

Dimension in mm																			
Model	A	B	C	D	E	F	G	H	ØI	J	ØK	L	M	R	S	X	O	U	Ød
JHA0160DA	58	64	135	20	110	135	33	45	Ø70	M8x13	Ø102	M10x16	22	30	80	M5x8	40	35	Ø23
JHA0160SR																			279

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4.5	5	5.5	6	7	8
JHA0160DA	67	100	133	150	166	183	200	233	266

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"
JHA0160SR	K6	44	23	61	39	94	72	110,5	88,5	127	105									60	38
	K8			48	19	81	52	97,5	68,5	114	85	130	101	147	118	180	151			80	51
	K10					68	32	84,5	48,5	101	65	118	81	134	98	167	131	200	164	100	63
	K12									89,0	45	105	62	122	78	155	111	187	144	120	76

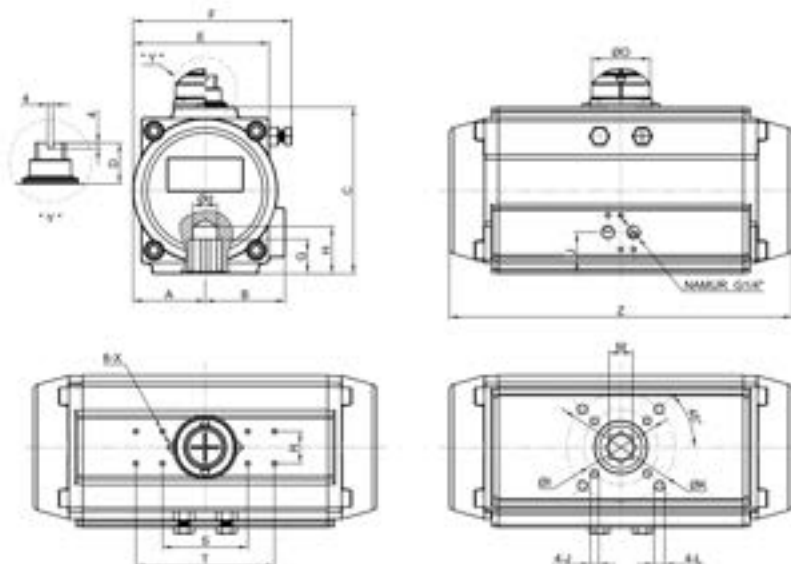
Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA0255 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		125	mm
Weight	SR	10,35	kg
	DA	9,2	kg
Air volume	SR Open	1,47	L
	SR Close	1,84	L
	DA Open	1,47	L
	DA Close	2,13	L
	MOP	8	bar (g)
Pressure range	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	0,42	s
	Close	0,42	s
Cycle speed SR ²	Open	0,75	s
	Close	0,32	s
Temperature		-20°C to +60°C	
Stroke		90°	
Over/undertravel		15° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 6 mm, and the temperature is room temperature

Dimension in mm																			
Model	A	B	C	D	E	F	G	H	ØI	J	ØK	L	M	R	S	T	O	U	Ød
JHA0255DA	68	75	157	30	128	149	31	43	Ø70	M8x13	Ø102	M10x16	22	30	80	130	55	39	Ø23
JHA0255SR																			322
																			M5x8
																			NAMUR G1/4"

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4,5	5	5,5	6	7	8
JHA0255DA	101	151	201	226	251	276	302	352	402

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"
JHA0255SR	K6	63	30	88	55	138	106	163	131	188	156									95	63
	K8			67	24	117	74	142	99	167	124	192	149	218	174	268	225			127	84
	K10					96	42	121	67	146	92	171	117	197	143	247	193	297	243	159	105
	K12									125	60	150	86	176	111	226	161	276	211	191	126

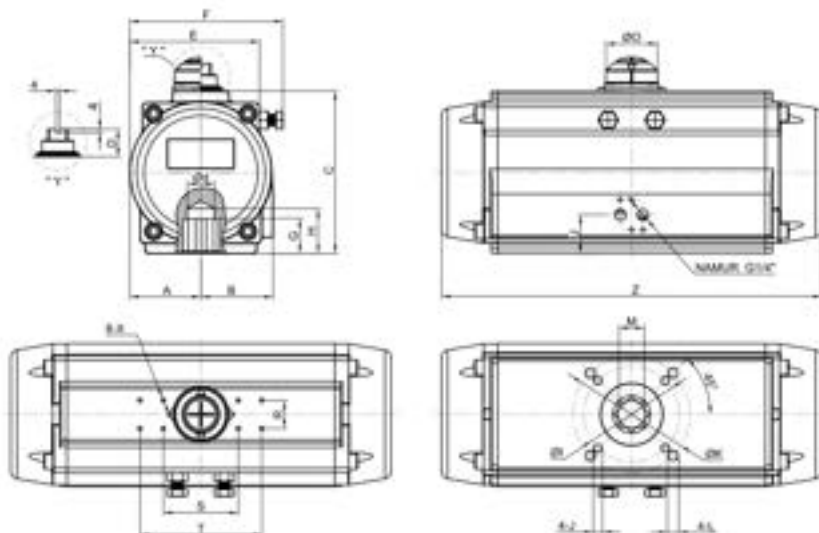
Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA0435 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		140	mm
Weight	SR	14,1	kg
	DA	12	kg
Air volume	SR Open	2,37	L
	SR Close	2,83	L
	DA Open	2,37	L
	DA Close	3,57	L
Pressure range	MCP	8	bar (g)
	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	0,74	s
	Close	0,74	s
Cycle speed SR ²	Open	1,21	s
	Close	1	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/ undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm																			
Model	A	B	C	D	E	F	G	H	ØK	J	ØK	L	M	R	S	T	O	U	Ød
JHA0435DA	76	77	174	30	139	163	37	48	Ø102	M10x16	Ø125	M12x20	27	30	80	130	55	42	Ø29
JHA0435DA																			406
																			M5x8
																			NAMUR O1/4"

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)							
	2	3	4	4,5	5	5,5	6	7
JHA0435DA	172	258	344	387	430	473	516	602

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"
JHA0435SR	K6	112	59	155	102	241	188	284	231	327	274									156	103
	K8			120	50	206	136	249	179	292	222	335	265	378	308	464	394			208	138
	K10					172	83	215	126	258	169	301	212	344	255	430	341	516	427	261	172
	K12									224	117	267	160	310	203	396	289	482	375	313	206

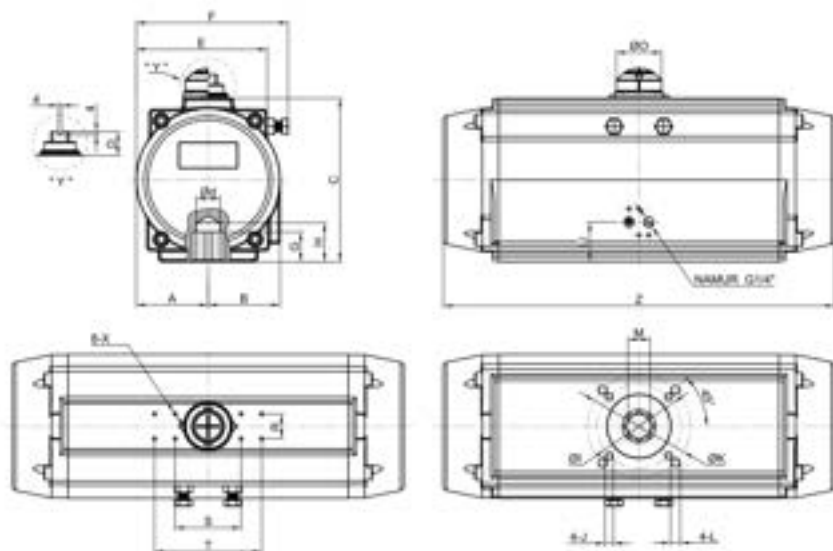
Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA0665 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters

Cylinder bore		160	mm
Weight	SR	23,5	kg
	DA	20,25	kg
Air volume	SR Open	3,77	L
	SR Close	5,42	L
	DA Open	3,77	L
	DA Close	4,49	L
Pressure range	MOP	8	bar (g)
	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	1,03	s
	Close	1,03	s
Cycle speed SR ²	Open	1,15	s
	Close	1,51	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	ØI	J	ØK	L	M	R	S	T	O	U	Ød	Z	X	Air connection
JHA0665DA	87	87	199	30	159	184	36	47	Ø102	M10x16	Ø125	M12x20	27	30	60	130	55	48	Ø29	475	M5x8	NAMUR G1/4"
JHA0665SR																						

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4.5	5	5.5	6	7	8
JHA0665DA	268	401	535	602	669	736	803	937	1070

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
JHA0665SR		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
	K6	165	79	232	146	365	279	431	345	498	412									254	167
	K8			176	61	309	194	375	260	442	327	509	394	575	460	709	593			338	223
	K10					253	109	320	176	387	243	453	309	520	376	653	509	786	642	423	279
	K12									331	158	397	225	464	291	597	424	730	557	508	335

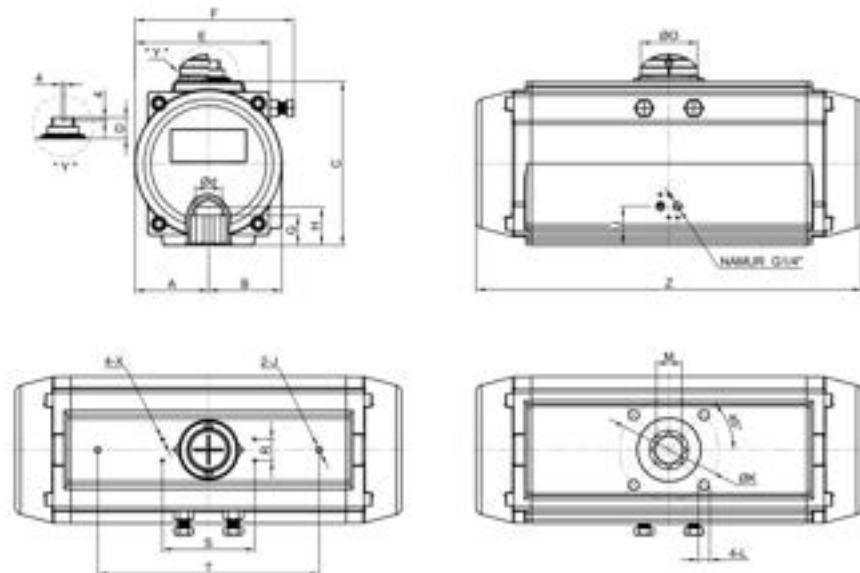
Notes:

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- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA1000 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		190	mm
Weight	SR	31,35	kg
	DA	36	kg
Air volume	SR Open	5,9	L
	SR Close	8,36	L
	DA Open	5,9	L
	DA Close	7,47	L
Pressure range	MOP	8	bar (g)
	SR	2,5 ~ 8	bar (g)
	DA	2 ~ 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ²	Open	1,01	s
	Close	0,98	s
Cycle speed SR ²	Open	2,47	s
	Close	1,6	s
Temperature		-20°C to +60°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	J	ØK	L	M	R	S	T	O	U	Ød	Z	X	Air connection
JHA1000DA	104	104	231	30	190	224	41	53	M10x12	Ø140	M16x25	36	30	130	312	80	55	Ø38	544	M5x8	NAMUR G1/4"
JHA1000SR																					

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4.5	5	5.5	6	7	8
JHA1000DA	427	640	854	960	1067	1174	1280	1494	1707

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"
JHA1000SR		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
	K6	293	159	400	265	614	479	721	586	827	692									375	240
	K8			320	140	534	354	641	461	747	567	854	674	960	781	1174	994			500	320
	K10					454	229	561	336	667	442	774	549	680	656	1094	869	1307	1082	625	400
	K12									587	317	694	424	800	531	1014	744	1227	957	750	480

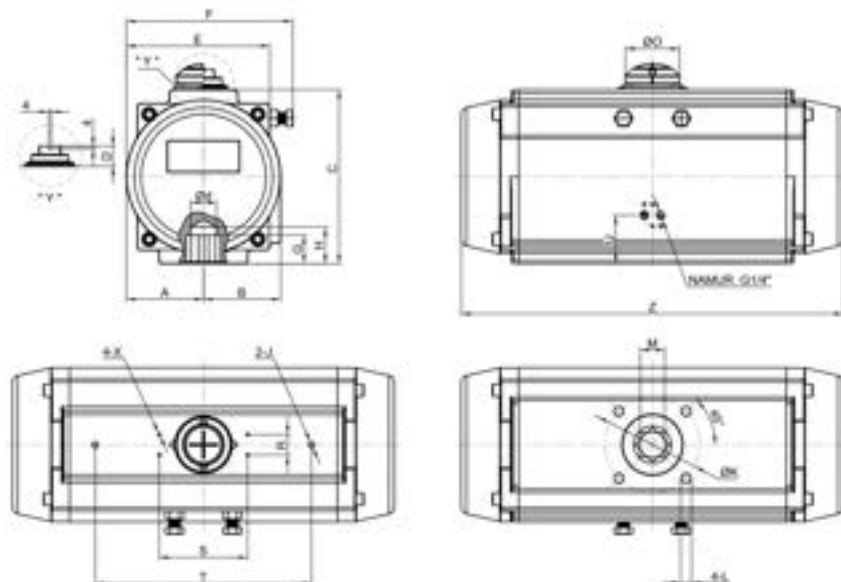
Notes:

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- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA1200 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters

Cylinder bore		210	mm
Weight	SR	53,65	kg
	DA	45,7	kg
Air volume	SR Open	7,26	L
	SR Close	11,52	L
	DA Open	7,26	L
	DA Close	10,56	L
Pressure range	MOP	8	bar (g)
	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	1,63	s
	Close	1,63	s
Cycle speed SR ²	Open	2,65	s
	Close	3,5	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	H	J	ØK	L	M	R	S	T	O	U	Ød	Z	X	Air connection
JHA1200DA	114	114	256	30	211	245	41	53	M10x12	Ø140	M16x25	36	30	130	318	80	71	Ø38	562	M5x8	NAMUR G1/4"
JHA1200SR																					

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)							
	2	3	4	4.5	5	5.5	6	7
JHA1200DA	532	798	1064	1198	1331	1464	1597	1863

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
JHA1200SR	K6	335	204	468	337	734	603	868	736	1001	869									462	330
	K8			358	183	624	449	758	582	891	715	1024	848	1157	981	1423	1247			616	440
	K10					514	295	648	428	781	561	914	694	1047	827	1313	1093	1579	1359	770	550
	K12									671	407	804	540	937	673	1203	939	1469	1206	923	660

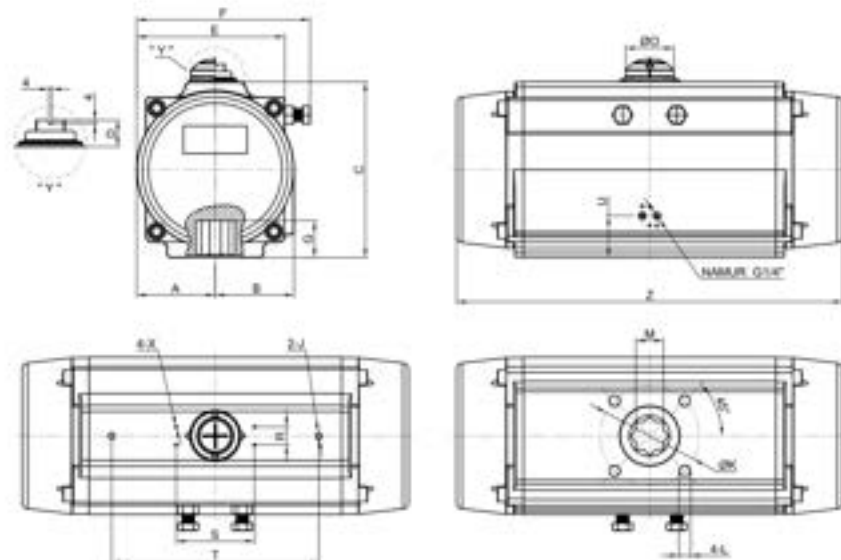
Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA1800 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		240	mm
Weight	SR	65,6	kg
	DA	54,5	kg
Air volume	SR Open	10,7	L
	SR Close	16,07	L
	DA Open	10,7	L
	DA Close	17,44	L
Pressure range	MOP	8	bar (g)
	SR	2,5 – 8	bar (g)
	DA	2 – 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	3,93	s
	Close	3,93	s
Cycle speed SR ²	Open	3,87	s
	Close	5,5	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/ undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm																	
Model	A	B	C	D	E	F	G	J	QK	L	M	R	S	T	O	U	Z
JHA1800DA	131	131	292	30	246	288	61	M12x15	Ø165	M20x25	46	30	130	344	80	70	642
JHA1800SR																	M5x8

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4.5	5	5.5	6	7	8
JHA1800DA	774	1161	1548	1742	1935	2129	2322	2709	3096

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																			
	2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
JHA1800SR	K6	470	276	663	469	1048	854	1241	1047	1433	1239								687	493
	K8			498	240	883	625	1076	818	1268	1010	1461	1202	1653	1395	2038	1780		915	657
	K10					719	396	912	589	1104	781	1297	973	1489	1166	1874	1551	2259	1936	1144
	K12									940	552	1133	745	1325	937	1710	1322	2095	1707	1373

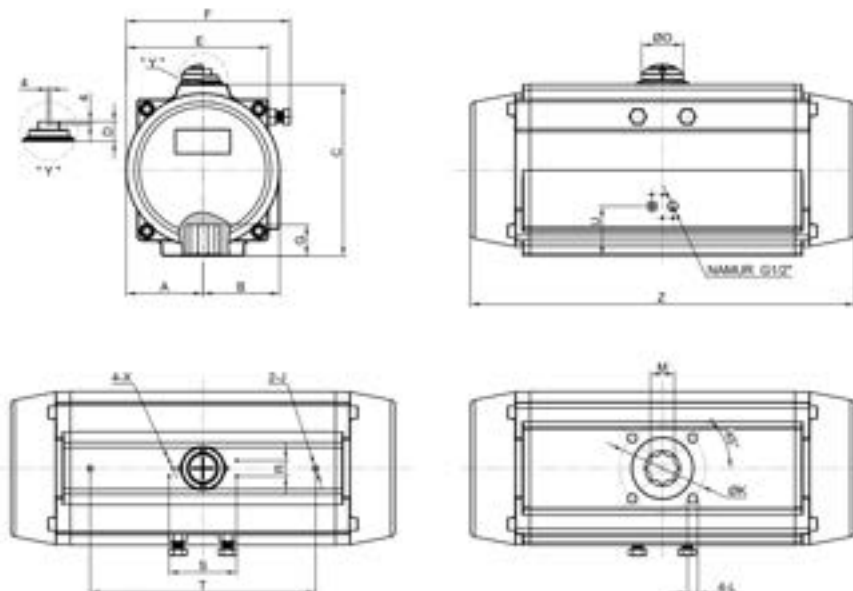
Notes:

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- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA2700 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		270	mm
Weight	SR	98,4	kg
	DA	79	kg
Air volume	SR Open	15,9	L
	SR Close	23,86	L
	DA Open	15,9	L
	DA Close	25,6	L
Pressure range	MOP	8	bar (g)
	SR	2,5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA °	Open	3,26	s
	Close	3,26	s
Cycle speed SR °	Open	5,13	s
	Close	6,32	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 8 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm																		
Model	A	B	C	D	E	F	G	J	ØK	L	M	R	S	T	O	U	Z	X
JHA2700DA	148	148	331	30	274	316	60	M12x15	Ø165	M20x25	46	30	130	434	80	96	740	M5x8
JHA2700SR																		NAMUR G1/4"

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)							
	2	3	4	4.5	5	5.5	6	7
JHA2700DA	1176	1783	2351	2645	2939	3233	3527	4115

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
	2.5		3		4		4.5		5		5.5		6		7		8		Spring Output		
	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	
JHA2700SR	K8	739	430	1031	722	1616	1307	1909	1600	2201	1892								1032	723	
	K8			790	378	1375	963	1668	1256	1960	1548	2252	1840	2545	2133	3129	2717		1376	964	
	K10					1134	619	1427	912	1719	1204	2011	1496	2304	1789	2888	2373	3473	2958	1720	1205
	K12									1478	880	1770	1152	2063	1445	2647	2029	3232	2614	2084	1446

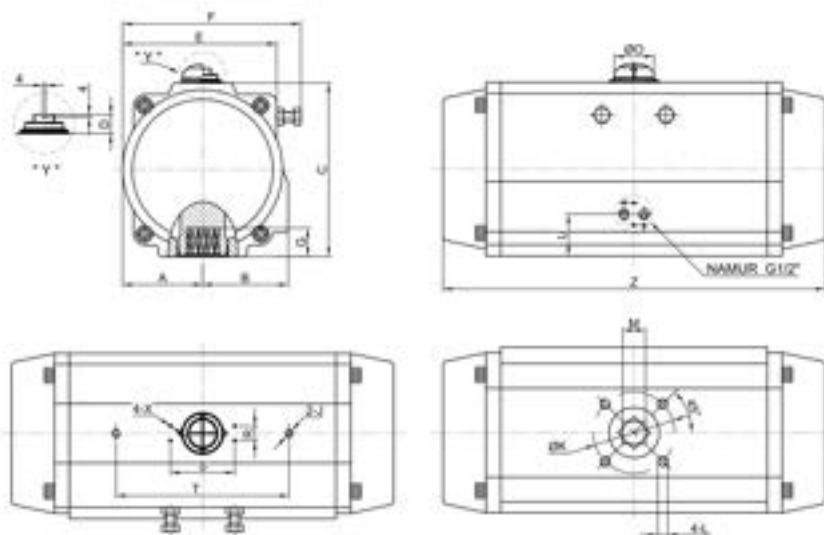
Notes:

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- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA3800 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		300	mm
Weight	SR	122	kg
	DA	99	kg
Air volume	SR Open	23,5	L
	SR Close	28	L
	DA Open	23,5	L
	DA Close	26,5	L
Pressure range	MOP	8	bar (g)
	SR	2,5 ~ 8	bar (g)
	DA	2 ~ 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	4,31	s
	Close	4,31	s
Cycle speed SR ¹	Open	5,27	s
	Close	7,02	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	J	ØK	L	M	R	S	T	O	U	Z	X	Air connection
JHA3800DA	162	173	352	30	312	361	58	M16x15	Ø165	M20x25	46	30	130	350	80	85	774	M5x8	NAMUR G1/2"
JHA3800SR																			

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)							
	2	3	4	4,5	5	5,5	6	7
JHA3800DA	1545	2318	3091	3477	3863	4250	4636	5409

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
	2.5		3		4		4.5		5		5.5		6		7		8		Spring Output		
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	
Qty	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	
JHA3800BR	K6	987	560	1374	948	2147	1719	2533	2105	2919	2491								1372	944	
	K8			1059	489	1832	1261	2218	1648	2604	2034	2991	2420	3377	2807	4150	3579		1829	1259	
	K10					1517	804	1904	1191	2290	1577	2676	1963	3062	2349	3835	3122	4608	3895	2287	
	K12										1975	1119	2361	1506	2748	1892	3520	2665	4293	3437	

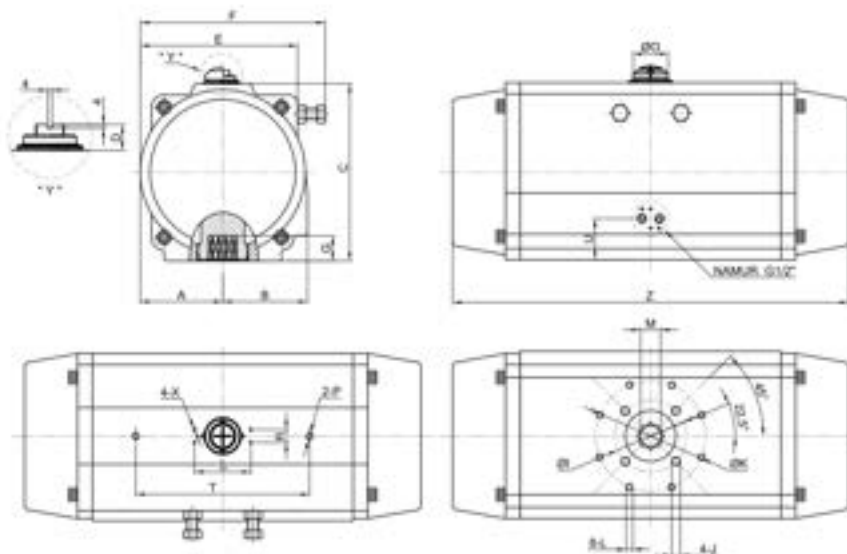
Notes:

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- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA5700 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters

Cylinder bore		350	mm
Weight	SR	197	kg
	DA	156	kg
Air volume	SR Open	34,5	L
	SR Close	42,4	L
	DA Open	34,5	L
	DA Close	45,2	L
Pressure range	MOP	8	bar (g)
	SR	2,5 ~ 8	bar (g)
	DA	2 ~ 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ¹	Open	12,11	s
	Close	12,11	s
Cycle speed SR ²	Open	17,58	s
	Close	16,3	s
Temperature		-20°C to +80°C	
Stroke		90°	
Over/undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 8 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm

Model	A	B	C	D	E	F	G	U	ØK	L	M	R	S	T	O	J	ØI	P	Z	X	Air connection
JHA5700DA	190	195	408	30	362	426	58	95	Ø254	M16x25	46	30	130	400	80	M20x25	Ø165	M16x20	912	M5x8	NAMUR G1/2"
JHA5700SR																					

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)								
	2	3	4	4.5	5	5.5	6	7	8
JHA5700DA	2314	3471	4628	5206	5784	6363	6941	8098	9255

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																				
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output	
	Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
JHA5700SR		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
	K6	1406	736	1985	1314	3142	2471	3720	3050	4298	3628									2156	1486
	K8			1489	595	2646	1752	3225	2331	3803	2909	4382	3488	4960	4066	6117	5223			2875	1981
	K10					2151	1034	2730	1612	3308	2190	3886	2769	4465	3347	5622	4504	6778	5661	3594	2477
	K12									2812	1472	3391	2050	3969	2629	5126	3785	6283	4942	4313	2977

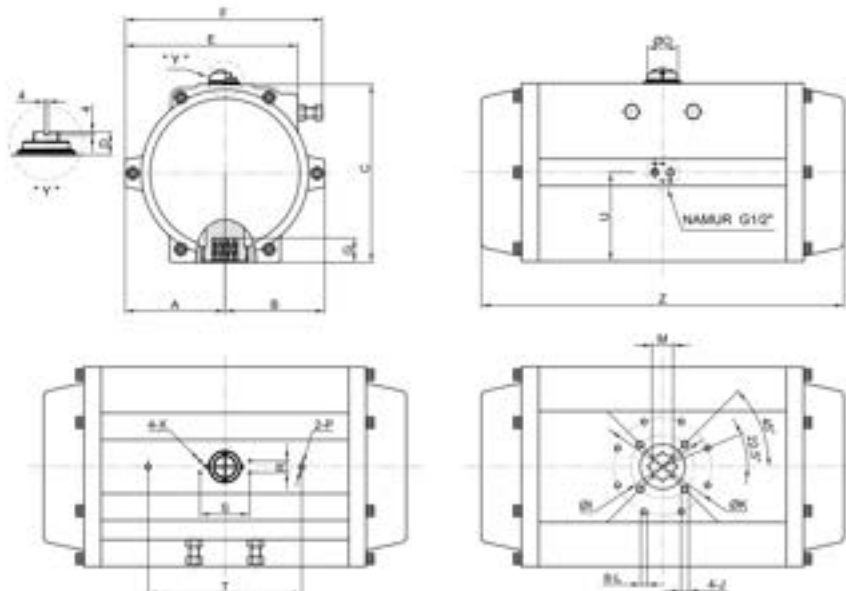
Notes:

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- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)



JHA8000 Datasheet

Metric - DIN3337



Rack & Pinion Pneumatic Actuator Parameters			
Cylinder bore		400	mm
Weight	SR	255	kg
	DA	212	kg
Air volume	SR Open	52.2	L
	SR Close	54	L
	DA Open	52.2	L
	DA Close	56	L
Pressure range	MOP	8	bar (g)
	SR	2.5 - 8	bar (g)
	DA	2 - 8	bar (g)
Pressure media		Clean compressed air	
Cycle speed DA ²	Open	17.2	s
	Close	17.2	s
Cycle speed SR ¹	Open	30.12	s
	Close	28.63	s
Temperature		-20°C to +60°C	
Stroke		90°	
Over/ undertravel		±5° at each end	

1. According to EN 15714-3

2. Test conditions:

clean air with a pressure of 6 bar, the diameter of the pipe is 10 mm, and the temperature is room temperature

Dimension in mm																			
Model	A	B	C	D	E	F	G	U	ØK	L	M	R	S	T	O	J	ØI	P	Z
JHA8000DA	260	260	464	30	450	514	62	232	Ø254	M16x25	55	30	130	400	80	M20x25	Ø165	M16x20	945
JHA8000SR																			

Output torque of double acting (DA) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)							
	2	3	4	4.5	5	5.5	6	7
JHA8000DA	3297	4945	6594	7418	8242	9066	9890	11539

Output torque of single acting (SR) pneumatic actuator (Nm)

Model	Air Supply Pressure in bar (g)																					
		2.5		3		4		4.5		5		5.5		6		7		8		Spring Output		
	Spring Qty	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	0"	90"	
JHA8000SR	K8	1914	838	2738	1662	4387	3311	5211	4135	6035	4959	6859	5783							3283	2207	
	K10				2186	842	3835	2490	4659	3315	5483	4139	6307	4963	7132	5787	8780	7435			4103	2759
	K12						3283	1669	4107	2494	4931	3318	5756	4142	6580	4966	8228	6615	9877	8263	4924	3311

Notes:

- For further information regarding options, materials, certifications and additional execution please contact your regional sales office
- Flange and bi-square drive shall comply with ISO5211 standard
- Solenoid valve mounting interface according to VDI / VDE3845 (NAMUR)

