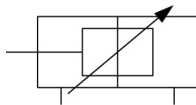


C(D)85, ISO Standard Cylinder, Double Acting, Single Rod CD85N12-100C-B

Datasheet

General series information

- Double acting, single rod, crimped cylinder
- Conforms to ISO 6432 and CETOP RP52P
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Standard strokes up to 300mm
- Auto switch capable



*Double-acting cylinder with cushioning
adjustable at both ends, single piston rod*

Standard specifications

Magnet	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø12 mm
Stroke	100
Cushion	C (Air Cushion)
Rod Boot	None
Auto Switch Mounting Type	B (Band)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Rod End Options	None
Temperature Resistance	None
Low Speed	None
Stainless Steel	None
Long Stroke	None
Pressure medium	Compressed Air
Maximum temperature of pressure medium	80 °C
Maximum temperature of pressure medium with magnet	60 °C

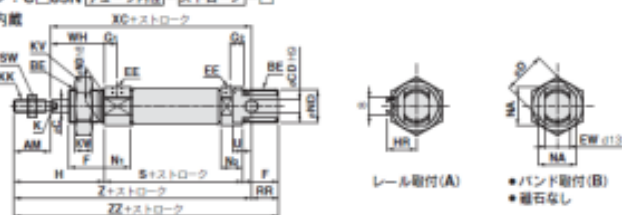
Minimum temperature of pressure medium	-20 °C [without condensation]
Minimum temperature of pressure medium with magnet	-10 °C [without condensation]
Maximum operating pressure	1 MPa
Minimum operating pressure	0.08 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	80 °C
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	-20 °C
Minimum ambient temperature with magnet	-10 °C
Number of pneumatic connections	2 pcs.
Pneumatic input connection	M5
Pneumatic output connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	56.6 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	42.4 N
Maximum piston speed	1,500 mm/s
Type of cushioning	Air cushion
Piston rod end	External thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M6
Usable tubing material	Soft nylon;Nylon;Polyurethane
Minimum piston speed	50 mm/s
Weight	0.158 Kg

Dimensions

複動・片ロッド

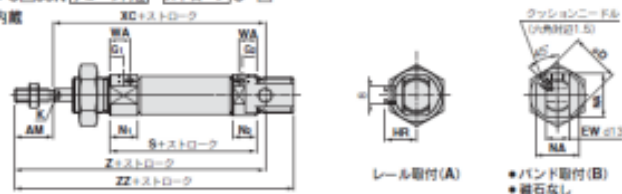
ラバークッション：C□85N チューブ内径－ストローク－□

磁石なし/磁石内蔵

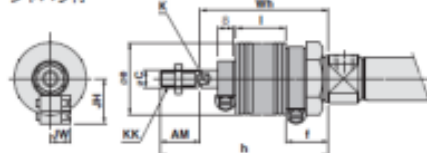


エアクション：C□85N チューブ内径 - ストローク C-□

磁石なし/磁石内蔵



ジャバラ付



寸注表

	BE	CE	DE	EE	FW	F	G	Gz	H	HR	K	KA	KK	KX	N	Nz	NA	NR	S	SW	U	WA	XC	Z	ZZ			
8	12	M2X1.25	4	16	M5X0.8	0.12	7	5	29	10	—	4.2	M4X0.7	6	11	5	9.5	15	12	10	46	7	6	—	16	64	76	86
10	12	M2X1.25	4	16	M5X0.8	0.12	7	5	29	10.5	—	4.2	M4X0.7	6	11	5	9.5	15	12	10	46	7	6	—	16	64	76	86
12	16	M1X1.5	6	16	M5X0.8	0.12	7	5	36	14	—	5	M3X1.5	7	12	12	18.5	16	14	50	10	9	9.5	27	—	100	115	125
16	16	M1X1.5	6	16	M5X0.8	0.12	7	5	36	14	5	6.2	M3X1.5	7	12	12	18.5	16	14	50	10	9	9.5	27	—	100	115	125
20	20	M2X1.5	8	20	G 1/8	0.1625	8	8	44	16	6.2	6.2	M3X1.5	10	15	15	17	17	14	52	12	12	13	24	95	115	126	
25	20	M2X1.5	8	20	G 1/8	0.1625	8	8	44	16	6.2	6.2	M3X1.5	10	15	15	17	17	14	52	12	12	13	24	95	115	126	

()内はエアアクションの割合。

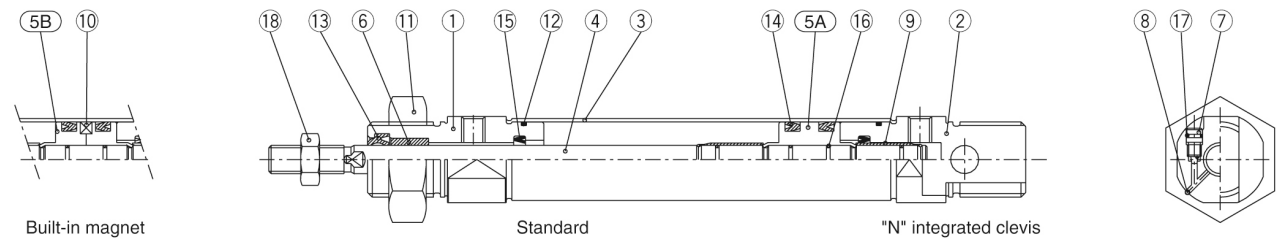
ジャバラ付

ジャバラ付										(mm)									
2-100 2-100		AM		C	e	f	K	KK	h										
		1-50	51-100	101-150	151-200	201-250	251-300	301-400	401-500										
20	20	8	36	20	6	M8×1.25	71	84	96	109	134	159	—	—					
25	22	10	36	20	6	M10×1.25	74	87	99	112	137	162	187	—					

2-100 2-100		I										JH		JW	Wh									
		1-50	51-100	101-150	151-200	201-250	251-300	301-400	401-500	501-600	601-700	701-800	801-900	901-1000	1001-1100	1101-1200	1201-1300	1301-1400	1401-1500					
20	12.5	25	37.5	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450				
25	12.5	25	37.5	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450				

Constructions

Double acting: Single rod C□85□10 to 16 Air cushion (Disassembly is not possible)



Component Parts

No.	Description	Material	Quantity	Remarks
①	Rod cover	Aluminum alloy	1	White anodized
②	Head cover N	Aluminum alloy	1	White anodized
③	Cylinder tube	Stainless steel	1	
④	Piston rod	Stainless steel	1	
⑤A	Piston A	Brass	1	
⑤B	Piston B	Brass	2	(Switch style piston)
⑥	Bush	Sintered bronze	1	
⑦	Cushion needle	Stainless steel	2	
⑧	Steel ball	Bearing steel	2	

No.	Description	Material	Quantity	Remarks
⑨	Cushion ring	Brass	2	
⑩	Magnet		1	
⑪	Mounting nut	Carbon steel	1	Nickel plated
⑫	Tube gasket	NBR	2	
⑬	Rod seal	NBR	1	
⑭	Piston seal	NBR	2	
⑮	Check seal	NBR	2	
⑯	Piston gasket & cushion ring gasket	NBR	3	
⑰	Needle seal	NBR	2	
⑱	Rod end nut	Carbon steel	1	Nickel plated

Additional information

Catalogue

[C85_C75-A_EU.pdf](#)