

Compact, light-weight pneumatically-operated drilling units

SELFEEDER ELECTRIC

SSE3C

Slim cylindrical type with concentric rotary drive shaft and spindle. Ideal for space-saving parallel arrangement. The ES3C type has been updated by replacing the induction motor with a PM motor.



Energy Saving

Global Support

Variable Rotation

Steel
 $\phi 8$

Aluminum
 $\phi 10$

Specifications

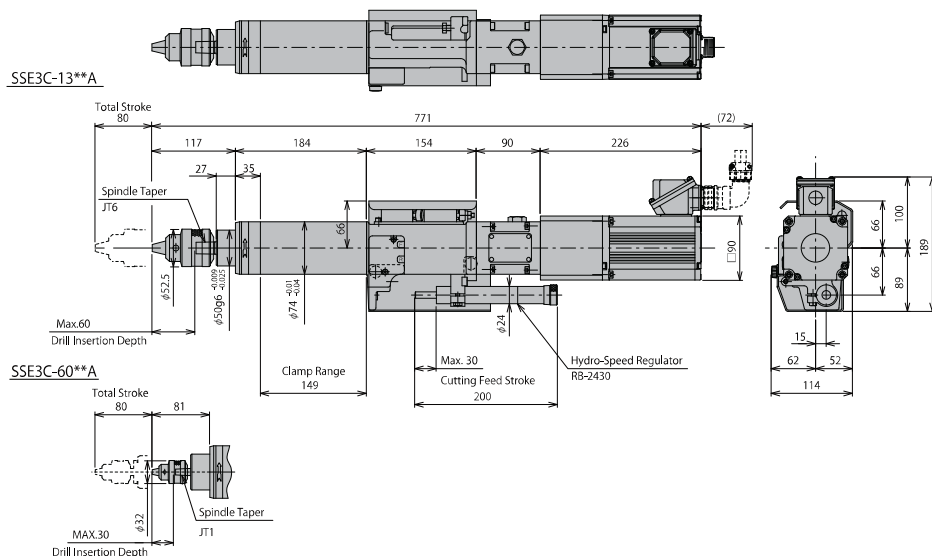
Supply air pressure at 0.5 MPa

Spec. Model	No-load rotation speed 50-120Hz min ⁻¹	Spindle Torque N·m	Rated torque range min ⁻¹	Chucking capacity mm	Drilling Capacity Per Number of Spindles												Stroke		Motor Specifications			Thrust N	Air Consumption L/Stroke	Weight kg
					1-SP			2-SP			3-SP			4-SP			Total stroke mm	Cutting feed stroke mm	Rated Power kW	Rated Rotational Speed min ⁻¹	Rated Current A			
					AL*	FC*	ST*	AL*	FC*	ST*	AL*	FC*	ST*	AL*	FC*	ST*								
SSE3C-6036A	1,500-3,600	0.64	1,500-3,000	6.5	5	2.5	2	4	2.5	2	3	2	2	-	-	-	80	0-30	0.2	3000 (100Hz)	1.1	980	3-4	16
SSE3C-6026A	1,100-2,640	0.87	1,100-2,200		6	3.5	3	4.5	3.5	3	3.5	2.5	2	-	-	-								
SSE3C-1317A	700-1,680	1.37	700-1,400	13	7	5.5	5	5	4	3.5	4	3.5	3	3	2.5	2	80	0-30	0.2	3000 (100Hz)	1.1	980	3-4	16
SSE3C-1311A	460-1,100	2.09	460-920		8	7	6	6	5	4	4.5	4	3.5	4	3.5	3								
SSE3C-1306A	275-660	3.50	275-550	10	8.5	8	8	6	5	6	5	4	5	4	3.5	80	0-30	0.2	3000 (100Hz)	1.1	980	3-4	16	

Notes:

1. Model selection should be based on the shape of the work, material, cutting characteristics, diameter and material of tools, rotational speed (cutting speed), etc.
2. The drilling capacity displayed in the above table is based on values representing a drilling depth of twice the diameter of the drill.
3. The standard attachment for the Hydro Speed Regulator is RB-2430. Please specify an optional Hydro Speed Regulator if required.
(Optional Hydro Speed Regulator Models: RB-2460, R-2442A, R-2462A, R-2482A)
4. Make sure to use a collet chuck or spindle nose when the hardness of carbide drills and tool shanks is higher than that of general HSS (high-speed steel) drills.
5. Valveless specification is standard. If you require valve block specification (former standard specification), please order valve block ass'y separately. (Replacement to be made by customer)
6. AL* : Aluminium(ADC12) FC* : Cast iron(FC200) ST* : Steel(S45C)

Dimensions (mm)



About Pneumatic Control Circuit

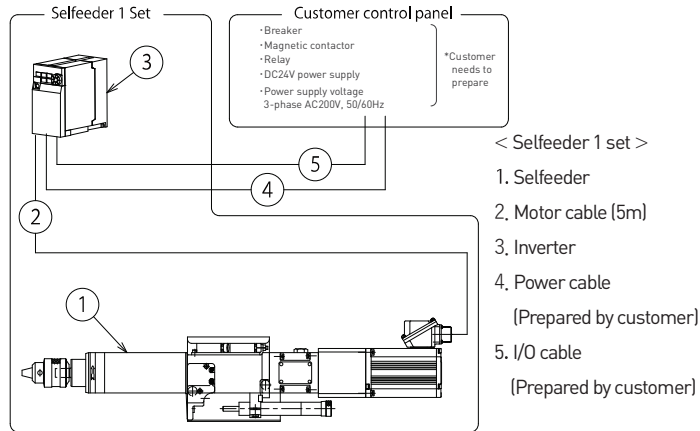
Please refer to the following QR code for the pneumatic control circuit to control the forward/reverse movement and speed of the Selffeeder.

Notes

1. Supply clean air of 0.5 to 0.6 MPa to the Selffeeder.
2. Air equipment up to the air supply port should be prepared by the customer.
3. Use a meter-in flow control valve.
4. When using the unit at an angle downward or vertical downward, install a pneumatic control circuit specialized to prevent them from falling.

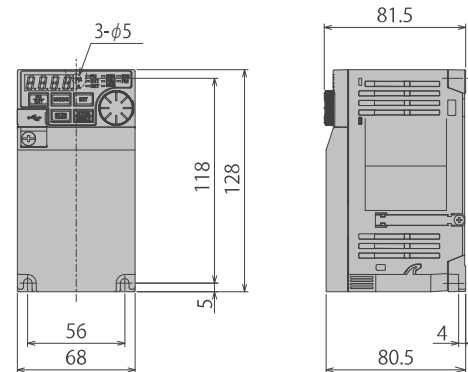
For more info

Configuration diagram



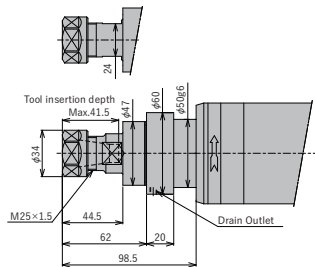
Inverter

FR-E820-0.2K



Tip shape

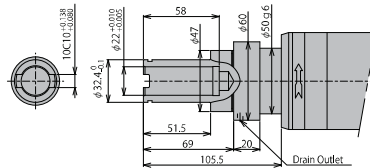
■ Collet chuck / spindle nose (option)
Model No.: ER20 or equivalent
(chucking range $\phi 1$ to $\phi 13$)



Note:

1. Detailed dimensions of spindle tip are as recommended for REGO-FIX ER collets.
2. Collet, collet nut, and wrench are not included. Please order separately.
3. When installing the Selffeeder <Electric> horizontally, the drain outlet must face downwards.

■ Adjustable Spindle Nose (option)
Model No.: KH-22E



Note:

1. Detailed dimensions of spindle nose are as recommended by NT Tool Co.
2. KH-E type spindle nose is applicable to NT Tool's quick-change stub holders KH-A / KH-E type.
3. Adjustable spindle nose is not applicable for Selffeeder <Electric> with no-load rotation speed exceeding 5,000min⁻¹.
4. When installing the Selffeeder <Electric> horizontally, the drain outlet must face downwards.

I/O Signal Specifications

I/O	Signal	Name
Input	STF	Spindle ON
	STR	Unused
	RH	Multi-step spd (1 to 15 spd) Freq set range 50 to 120Hz Can be set in 5Hz increments
	RM	
	RL	
MRS (REX)	Reset	
Output	A	Abnormal Output(Relay) Normally-open contact
	B	Abnormal Output(Relay) Normally-closed contact
	RUN	In operation
	FU	Freq detection

Options

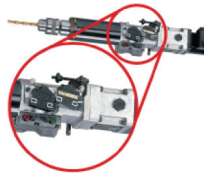
■ Hydro-speed regulator

A hydraulic feed speed control unit that can adjust the feed rate of an air cylinder to any desired speed. For details, please refer to our web page.



■ Operate Signal Kit

This kit is designed to accurately detect the operation of a Selffeeder and control synchronized operation with other devices. For details, please refer to our web page.



■ Multi-spindle head

Various multi-spindle heads are available. For details, please refer to our web page.



For more information about our products, please visit our website. ▶▶



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