EA-913 DD, EA-915 DD and EA-918 DD





General technical data

				EA-913	EA-915	EA-918
Weight			kg	76	79	97
Spindle through-bore			mm			
Clamping torque at max. 5 bar air pressure		X\-	Nm			
Spindle load	without support		kg	100		120
(max. permissible)	with support		. Ng	200		240
Axial force (max. permissible)		X	kN	10		
Pull-out torque	clamped	- -	Nm	1,000		1,200
	unclamped	/x*		400		500
Moment of inertia	Standard load	<u></u>	kgm²	0.07	0.2	0.5
Monient of mertia	J max	Ų		0.7*	2*	5*
	Fanuc		± arc sec		8	
	Heidenhain			12		
Positioning accuracy +/- (unloaded)	Siemens 1-head	(20		
(unloaded)	Siemens 2-head			5		
	Mitsubishi			20		
Repeat accuracy +/- (unloaded)		\oplus	± arc sec	1		
Cycle time with standard load	90°		000	0.19	0.24	0.24
(without clamping)	180°		sec	0.24	0.3	0.3

^{*} Speed reduction required

Outgoing cable unit variants



Outgoing cable unit left

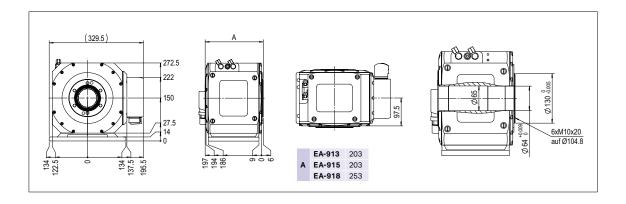


Outgoing cable unit top



Outgoing cable right

Can be easily converted by the customer at any time.



Features

- Angular position measuring system +/- 3 arc sec.
- Fail-safe clamping
- Leaktight IP 67
- High-speed up to 3,000 rpm (upon request: up to 5,450 rpm)



Operating parameter reference values

The 900 series rotary tables are the ideal solution for workpiece sizes of up to approx. 100 mm dia. × 100 mm long and when turning operations account for 30% of the overall machining process.

Motor data also applies to dividing/indexing axis on T-type rotary tables p. 20-23

Calculated, theoretical values; subject to change.

Wet-machining



Splash-water cooling - no cooling unit required (immersed in coolant, cooling emulsion max. 30 °C)

Dry machining





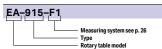
Water cooling - cooling unit required 4) (required if splash water cooling is not sufficient)

		Rotary table type	Motor	Peak current ³⁾	Max speed ⁶⁾ without flux weakening	Max speed 6) with flux weakening 2)	Peak torque	Intermittent torque	Continuous torque	Standstill torque	
							ED5%	ED40%	ED100%		
				[A]	[rp	om]	[Nm]				
	peed	Type 913 1)	MOT.ET-A	70	2170	3030	67	38	26	20	
	Standard speed	Type 915	MOT.ET-B	67	1300	2070	117	70	48	37	
200 V	Stano	Type 918	MOT.ET-C	63	651	1120	234	147	101	77	
N	High speed	Type 916 ⁵⁾		50	888	4350	120	90	65	51	
	peed	Type 913 ¹⁾	MOT.ET-A	70	3210	3210	67	38	26	20	
400 V	Standard speed	Type 915	МОТ.ЕТ-В	67	2560	2770	117	70	48	37	
	Stan	Type 918	MOT.ET-C	63	1300	1850	234	147	101	77	
4	High speed	Type 916 ⁵⁾		50	1780	5450	120	90	65	51	

¹⁾ not available as swivelling/tilting axis for T1-91x915 TAP9

For performance diagrams, see p. 44

Item no.





²¹ On Fanuc, a special servo and an additional module are needed for operation «with flux weakening» (does not have space in Robodrill cabinet); check with Fanuc

The servo booster must provide at least this peak current to achieve the values stated in the table Recommended for use with a cooling unit (see p. 28):

⁻ approx. 1'600 W rated cooling capacity and at least 1'300 W actual cooling capacity

Coolant: water-like, non-corrosive

⁵⁾ Not yet available; upon request

Applies to moment of inertia of standard load. Maximum speed means max. idle speed. These speeds can never be used productively because torque 0 is available here. For Fanuc, a max. of 3000 rpm is possible.