

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

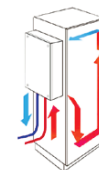


Splash-water cooling – no cooling unit required
(immersed in coolant, cooling emulsion max. 30 °C)

Dry machining



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



Cooling unit not included in supply
(see p. 28)

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

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

²⁾ 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

³⁾ The servo booster must provide at least this peak current to achieve the values stated in the table

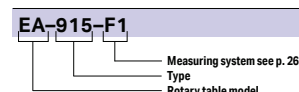
⁴⁾ Recommended for use with a cooling unit (see p. 28):
– approx. 1'600 W rated cooling capacity and at least 1'300 W actual cooling capacity
– Coolant: water-like, non-corrosive

⁵⁾ Not yet available; upon request

⁶⁾ 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.

For performance diagrams, see p. 44

Item no.



Overview
& Facts

System &
smartBox

Rotary tables

KAB, WDF,
CNC, WMS

AGG, DDF,
RST, LOZ

Service &
Technology

Tooling