KRTS1S SERIES - SEGMENT IRONLESS MOTOR

DIMENSIONS AND SPECIFICATIONS

	Parameter	Remarks	Sym	Unit	KRTS1S
Performance	**Winding type**				UI06H
	Motortype, max voltage ph-ph				3 Phase synchronous ironless 230Vac rms (320Vdc)
	Peak torque @ 6ºC/s increase	Magnet @ 25ºC	T_p	Nm	40
	Continuous force	Coil @ 110ºC	T_c	Nm	11
Electrical	**Current@Tp**		I_p	A_{mps}	10.5
	Max. Current@Tc		I_c	A_{mps}	3
	Maximum speed	@Tc@320Vrms	nmax	R_{mp}	576
	Motor torque constant		Kt	Nm/A_{rms}	3.67
	Motor constant	Coil@25ºC	Km	Nm^2/W	1.6
	Back EMF constant	25ºC+/-10%	Bemf	V/(rad/sec)	2.12
	Coil resistance per phase	Coils @ 25ºC		Ω	2.75
	Coil induction per phase	$I < 0.63\ I_p$	Lph	mH	0.9
	Electrical time constant	Coils @ 25ºC	τ_e	ms	0.33
	Max. Continuous Power Loss	All Coils	P_c	W	98
Mechanical	**Coil Unit Weight**	ex.cables	Wc	kg	0.16
	Magnet Yoke 72°Weight		Wm	kg	0.98
	Magnet Pitch	N-N	τ	Degree	9

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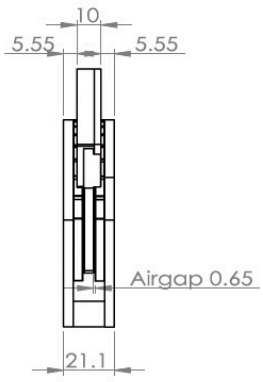

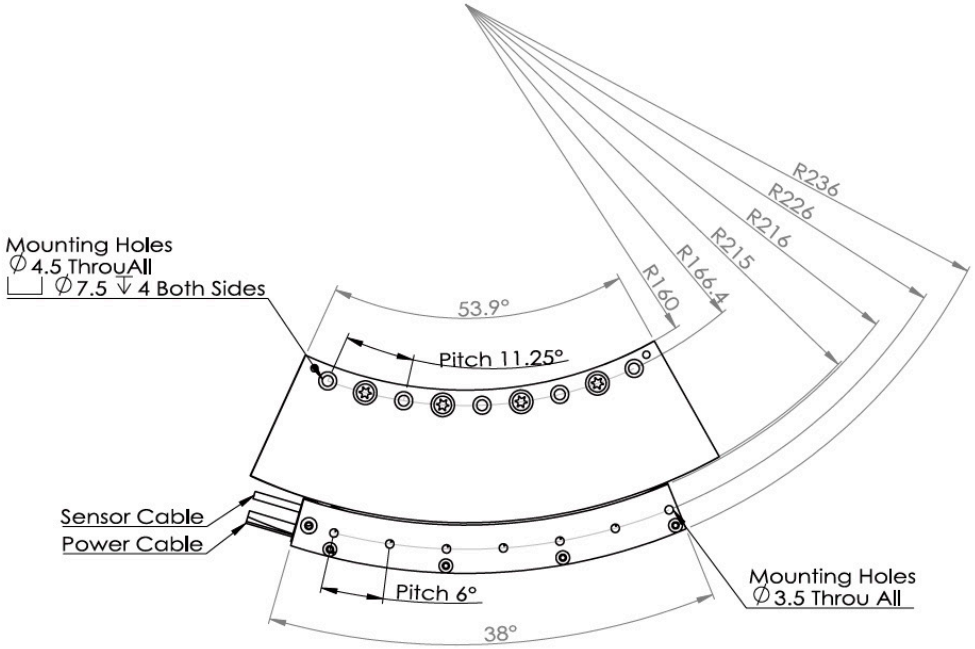

KRTS2S SERIES - SEGMENT IRONLESS MOTOR

DIMENSIONS AND SPECIFICATIONS

	Parameter	Remarks	Sym	Unit	KRTS2S
Performance	**Winding type**				UI09N
	Motortype, max voltage ph-ph				3 Phase synchronous ironless 230Vac rms (320Vdc)
	Peak torque @ 6ºC/s increase	Magnet @ 25ºC	T_p	Nm	142
	Continuous force	Coil @ 100ºC	T_c	Nm	35.6
Electrical	**Current@Tp**		I_p	A_{mps}	12
	Max. Current@Tc		I_c	A_{mps}	3
	Maximum speed	@Tc@320Vrms	nmax	R_{mp}	456
	Motor torque constant		Kt	Nm/A_{rms}	11.3
	Motor constant	Coil@25ºC	Km	Nm^2/W	10.64
	Back EMF constant	25ºC+/-10%	Bemf	V/(rad/sec)	6.5
	Coil resistance per phase	Coils @ 25ºC		Ω	4.2
	Coil induction per phase	$I < 0.63\ I_p$	Lph	mH	4
	Electrical time constant	Coils @ 25ºC	τ_e	ms	0.95
	Max. Continuous Power Loss	All coils	P_c	W	155
Mechanical	**Coil Unit Weight**	ex.cables	Wc	Kg	0.6
	Magnet Yoke 72°Weight		Wm	kg	3.2
	Magnet Pitch	N-N	τ	Degree	9

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