

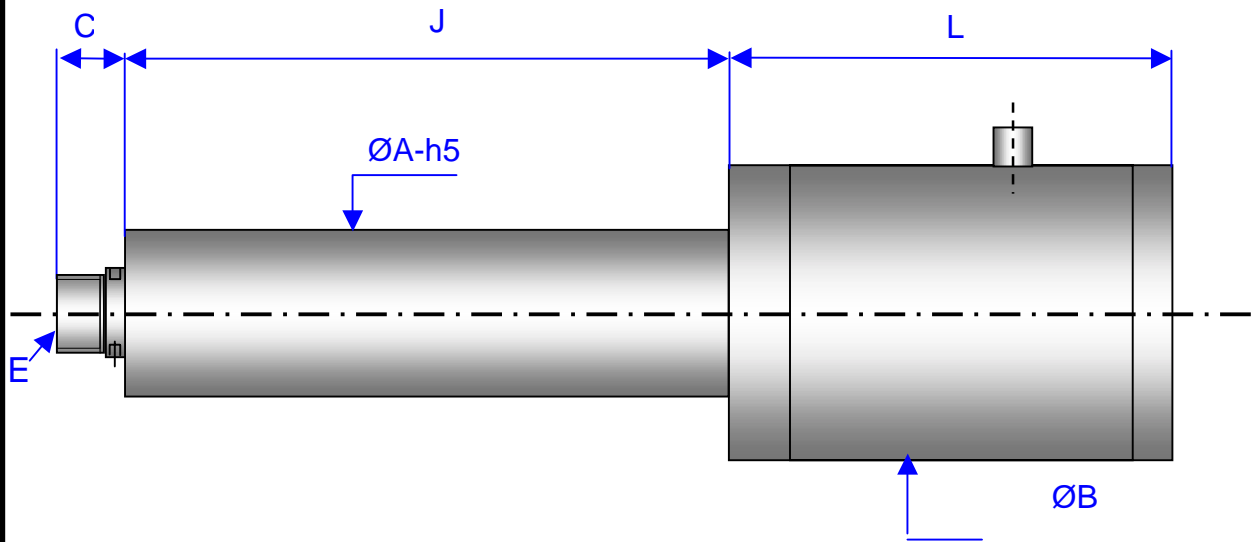


CENTERLINE INC.

PRECISION SPINDLE ENGINEERING

HFR – Water Cooled High Frequency Series with Collet Nose

ALL CRITICAL PARTS ARE HARDENED AND GROUND.
ALL SPINDLES ARE BALANCED.



TYPE	A-h5	J	C	L	B	TAPER	VOLTAGE	AMPS	RPM	KW	LUBRICATION	DRAWING #
HFR025070	25	70	18	80	29	E-12	3x10V		40,000	0.04	Oil / Air	
HFR025120	25	120	17	120	63	E-12	3x220		11,000	0.2	Grease	283-025120-E12
HFR030100	30	73	15	153	63	E-12	3x220		24,000	0.2	Grease	
HFR030213	30	213	17	120	63	E-16	3x220		11,000	0.2	Grease	283-030213-E-16
HFR033100	33	73	15	153	63	E-12	3x220		24,000	0.2	Grease	
HFR038100	38	73	17	153	63	E-16	3x220		24,000	0.2	Grease	119-038100-E16
HFR038120	38	120		120	105	E-16	3x380		18,000	0.2	Grease	230-038120
HFR040150	40	150	21	108	63	E-16	3x220		30,000	0.2	Grease	
HFR040180	40	170	13	120	80	E-16			40,000	0.6	Grease	205-040180-E16
HFR042150	42	150	21	108	63	E-16			30,000	0.6	Grease	257-042160-
HFR050175	50	125	17	125	70	E-16			60,000	1	Oil / Air	
HFR060185	60	180	22	154	100	E-20			16,000	2.5	Grease	100-060185-E20
HFR060185	60	180	22	154	100	E-32	3x220	9A	16,000	2.5	Grease	100-060185-E32
HFR060200	60	200	17	125	80	E-16			60,000	1	Oil / Air	
HFR060200	60	200	22	150	100	E-25	3x380	5.5	18,000	2.5	Grease	257-060200-E25
HFR060254	60	254	22	180	110	E-32	3x350	17A	18,000	8	Grease	166-060185-
HFR070292	70	250	27	160	130	E-32			20,000	8	Grease	176-070292-E32
HFR080256	80	256	28	233	150	E-40	3x350	18A	16,000	11	Oil / Air	201-080

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ALL DIMENSIONS IN <MM>