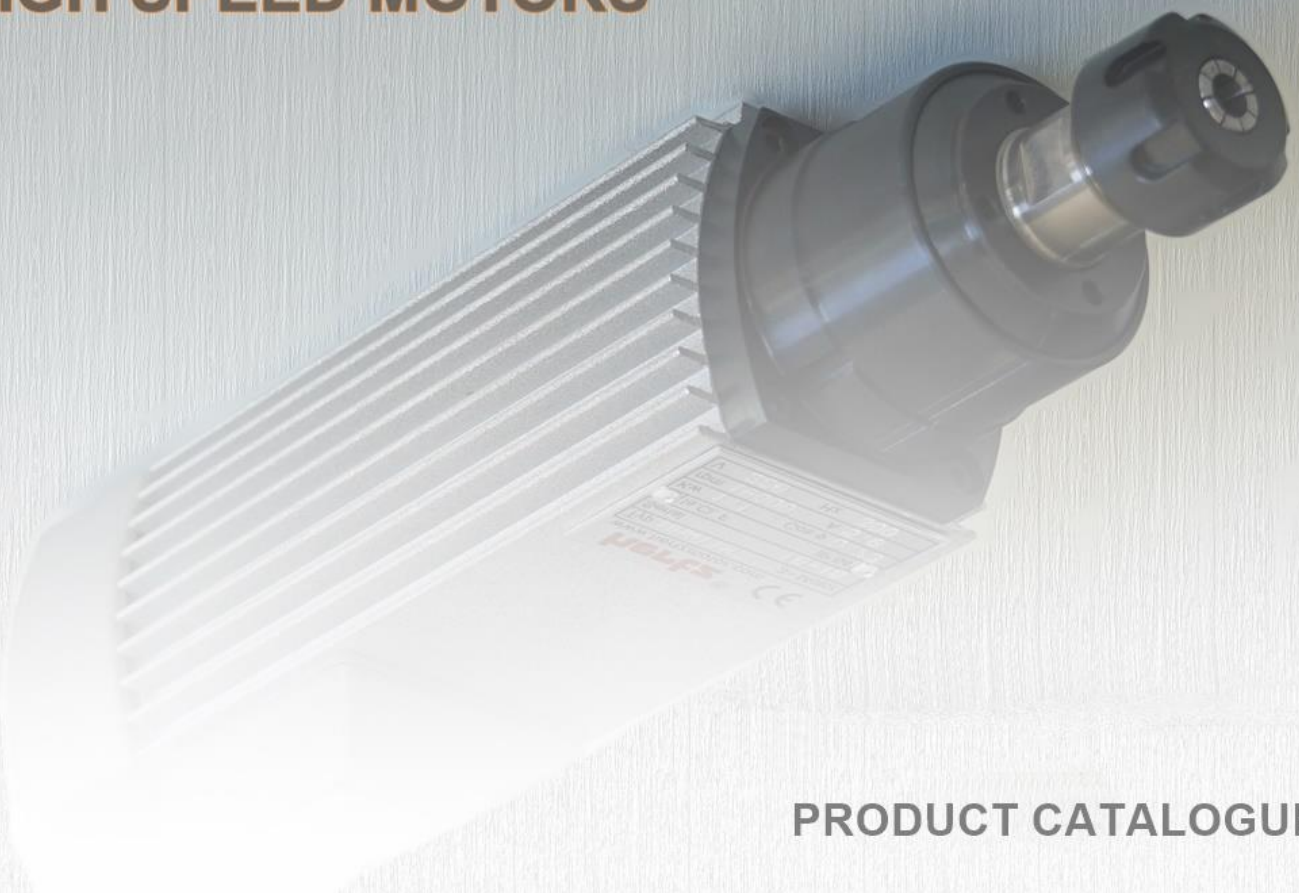


# HMA



# hertz®

HIGH SPEED MOTORS



PRODUCT CATALOGUE

# MANUAL TOOL CHANGE

## H M A

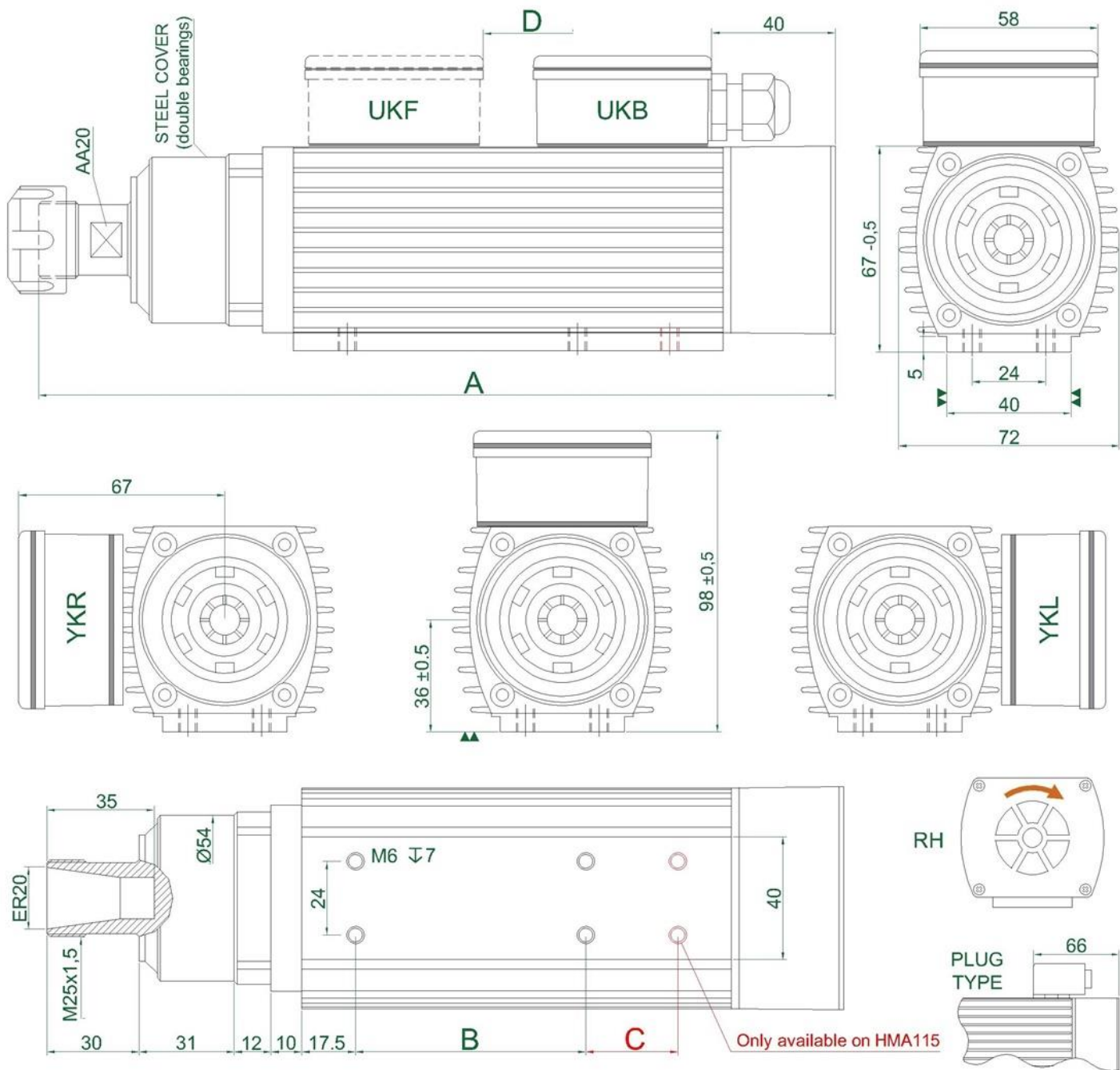
TYPE	Power	Freq	Speed	Voltage	Amperes	Cos.	Pole
	(Kw)	(Hz)	(Rpm)	(V)	A	$\varphi$	P
<b>HMA 55</b> (HMA 02)	0.22	200	12000	220	1.5	0.67	2
	0.27	300	18000	220	1.6	0.68	2
	0.27	400	24000	220	1.6	0.68	2
<b>HMA 60</b> (HMA 12)	0.11	100	6000	220	0,7	0,65	2
	0,22	200	12000	220	1,5	0,67	2
	0,22	200	12000	220 / 380	1,5 / 0,87	0.67	2
	0,27	300	18000	220	1,9	0.70	2
	0,27	300	18000	220 / 380	1,9 / 1,1	0,70	2
	0,27	400	24000	220	1,9	0.70	2
<b>HMA 70</b> (HMA 22)	0.15	100	6000	220	1,05	0,65	2
	0.35	200	12000	220	2,0	0.70	2
	0.35	200	12000	220/380	2,0 / 1,16	0.70	2
	0.45	300	18000	220	2.4	0.71	2
	0.45	300	18000	220/380	2,4 / 1,4	0.71	2
	0.45	400	24000	220	2.4	0.71	2
	0.45	400	24000	220/380	2,4 / 1,4	0.71	2
<b>HMA 85</b> (HMA 32)	0.22	100	6000	220	1.5	0.68	2
	0.37	200	12000	220	2,2	0.70	2
	0.37	200	12000	220/380	2,2 / 1,2	0.70	2
	0.45	250	15000	220	2,5	0.70	2
	0.55	300	18000	220	3,2	0.71	2
	0.55	300	18000	220/380	3,2 / 1,8	0.71	2
	0,55	400	24000	220	3,2	0.71	2
	0,55	400	24000	220/380	3,2 / 1,8	0.71	2
<b>HMA 95</b> (HMA 42)	0,27	100	6000	220	1,6	0,67	2
	0.45	175	10500	220	2,3	0.70	2
	0.55	200	12000	220	2.6	0,71	2
	0.55	200	12000	220/380	2.6 / 1,5	0,71	2
	0.60	250	15000	220	3.4	0,71	2
	0.75	300	18000	220	3.7	0,71	2
	0.75	300	18000	220/380	3,7 / 2.2	0,71	2
	0,75	400	24000	220	3,7	0,72	2
	0,75	400	24000	220/380	3,7 / 2,2	0,72	2
	0,75	400	24000	220/380	3,7 / 2,2	0,72	2
<b>HMA 115</b> (HMA 52)	0.37	100	6000	220	2.0	0,68	2
	0.75	200	12000	220	3.8	0,70	2
	0.75	200	12000	220/380	3,8 / 2.2	0,70	2
	1.1	300	18000	220	5.1	0,71	2
	1.1	300	18000	220/380	5,1 / 3.0	0,71	2
	1.1	400	24000	220	5.1	0,72	2
	1.1	400	24000	220/380	5,1 / 3.0	0,72	2

# CKL-ER20S

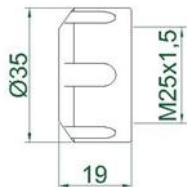


TYPE	A	B	C	D
HMA 55	215	60	-	70
HMA 60	220	60	-	75
HMA 70	230	75	-	85
HMA 85	245	75	-	110
HMA 95	260	75	-	115
HMA 115	280	75	30	135

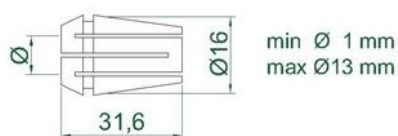
LONG STEEL COVER (CKL) / DOUBLE BEARINGS (DB) or CERAMIC BEARINGS (CB) (optional)



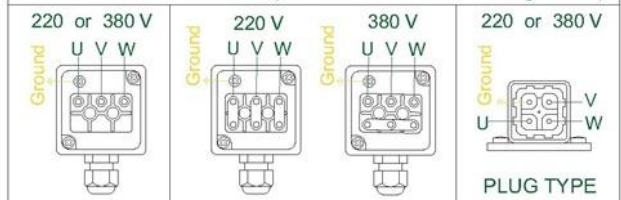
ER20 S - NUT



ER20 - COLLET



ELECTRIC CONNECTION (Check Motor Label For Voltage Value)

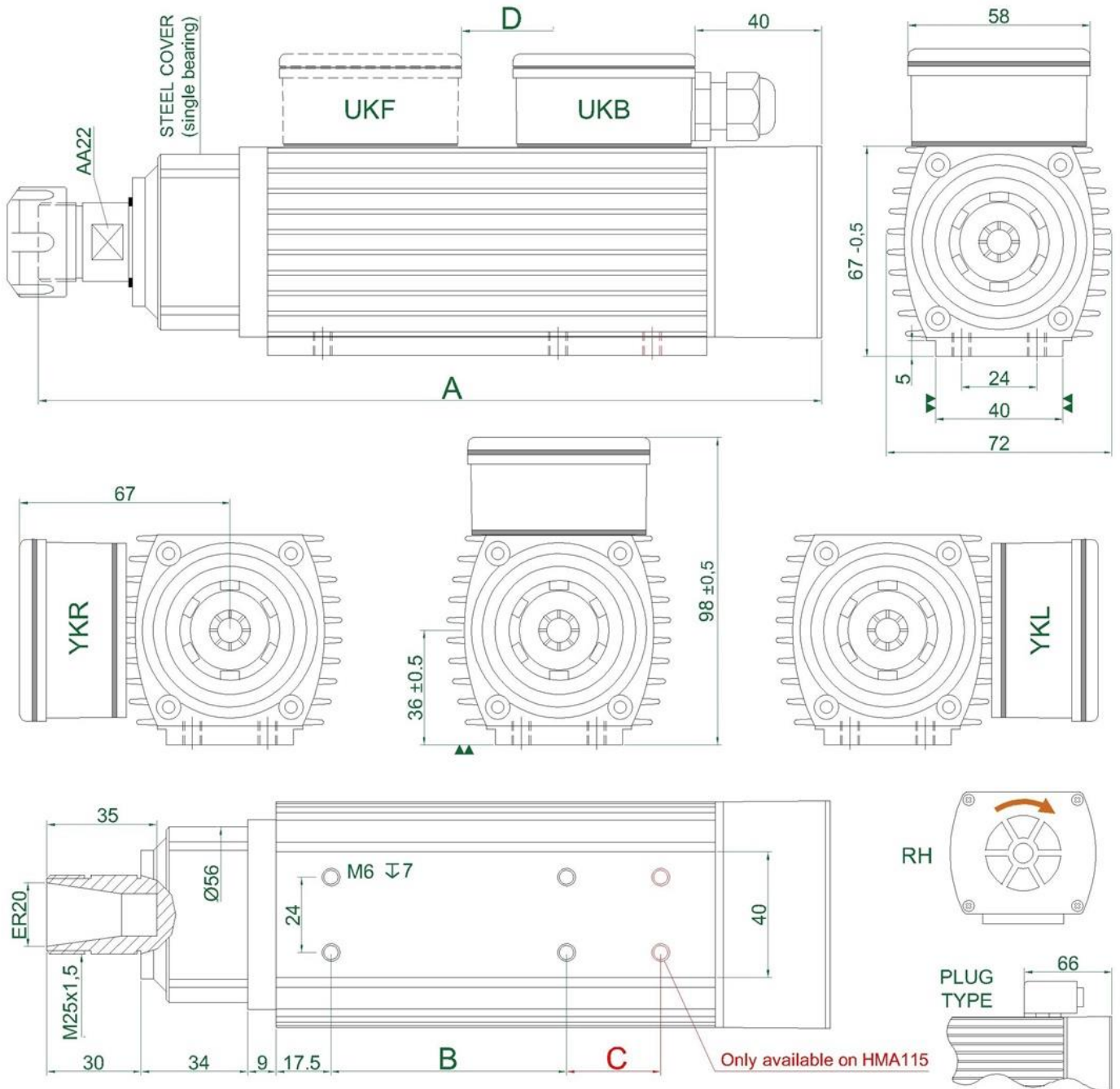


# CKM-ER20S

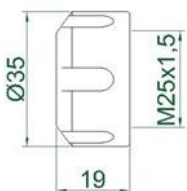
TYPE	A	B	C	D
HMA 55	205	60	-	70
HMA 60	210	60	-	75
HMA 70	220	75	-	85
HMA 85	235	75	-	110
HMA 95	250	75	-	115
HMA 115	270	75	30	135



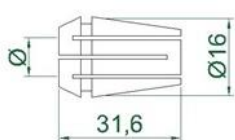
MEDIUM STEEL COVER (CKM) / SINGLE BEARING (SB)



ER20 S - NUT

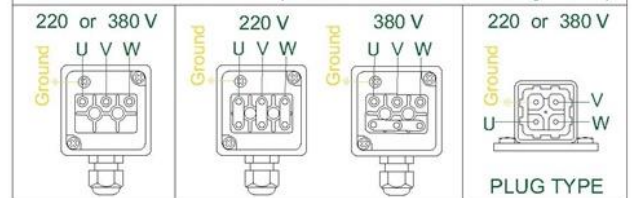


ER20 - COLLET



min Ø 1 mm  
max Ø13 mm

ELECTRIC CONNECTION (Check Motor Label For Voltage Value)

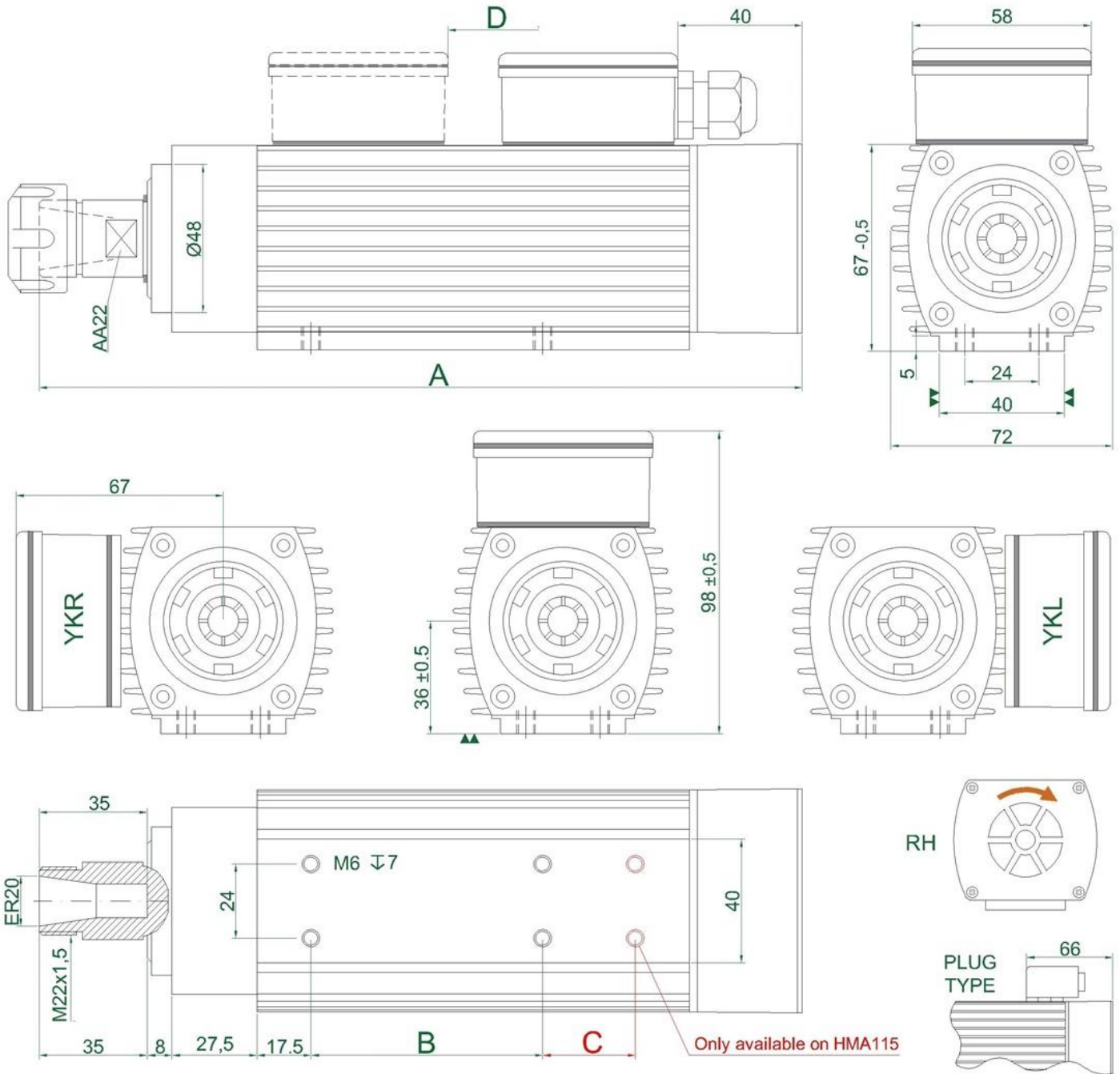


# AK-ER20S

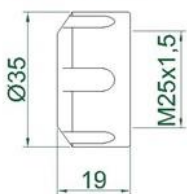


TYPE	A	B	C	D
HMA 55	202	60	-	70
HMA 60	207	60	-	75
HMA 70	217	75	-	85
HMA 85	232	75	-	110
HMA 95	247	75	-	115
HMA 115	267	75	30	135

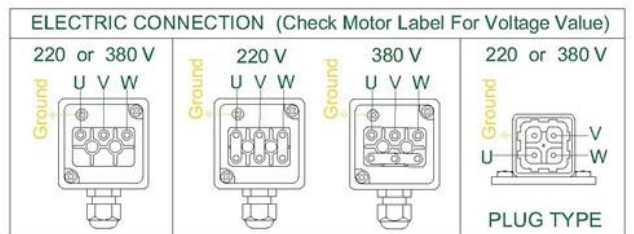
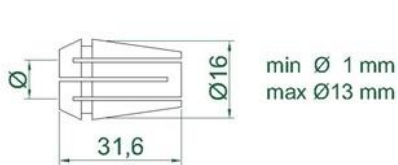
ALUMINUM COVER (AK) / SINGLE BEARING (SB)



ER20 S - NUT



ER20 - COLLET

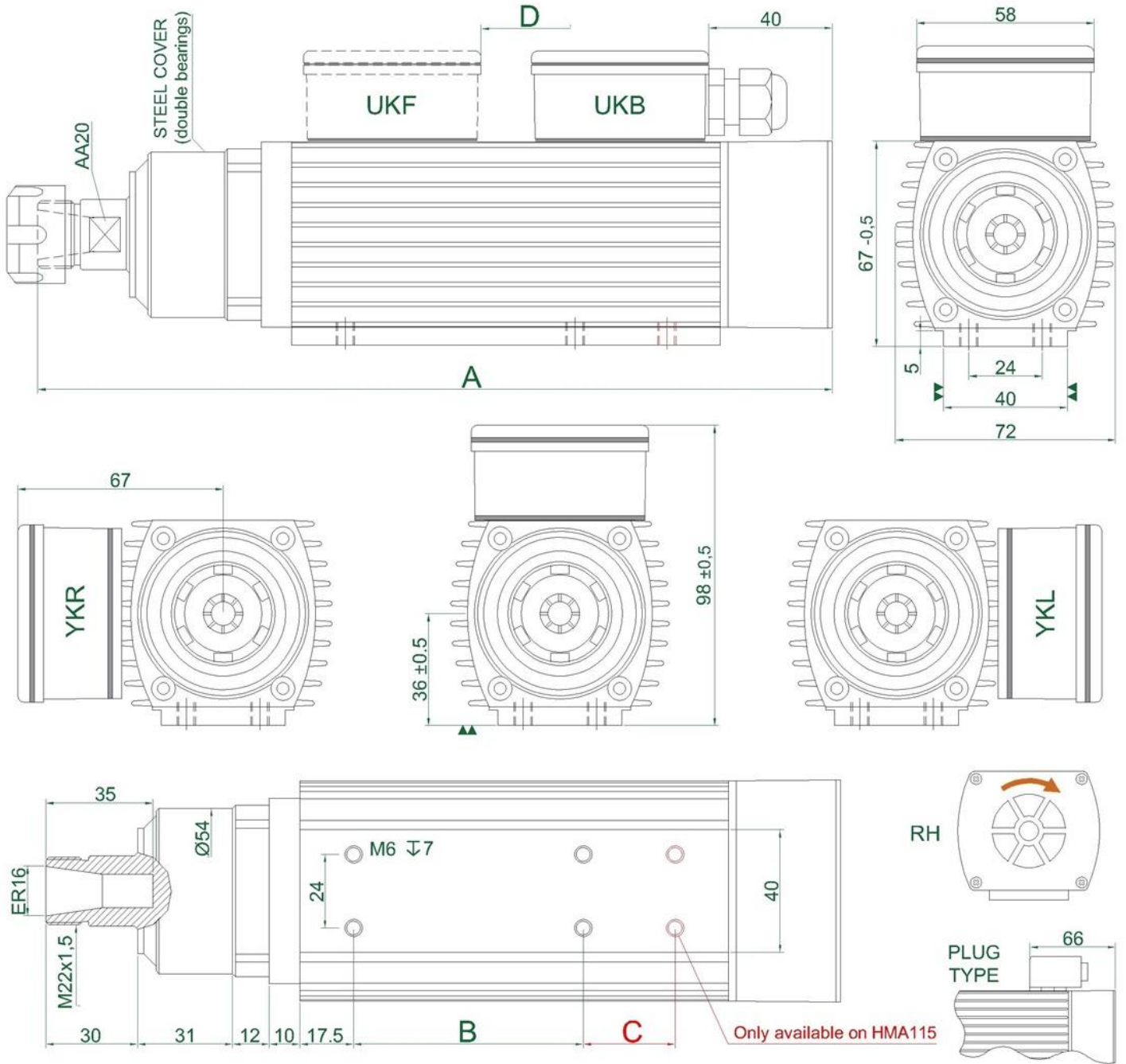


# CKL-ER16S



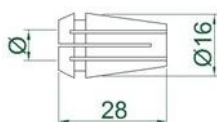
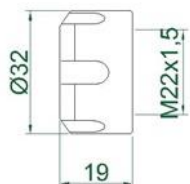
TYPE	A	B	C	D
HMA 55	215	60	-	70
HMA 60	220	60	-	75
HMA 70	230	75	-	85
HMA 85	245	75	-	110
HMA 95	260	75	-	115
HMA 115	280	75	30	135

LONG STEEL COVER (CKL) / DOUBLE BEARINGS (DB) or CERAMIC BEARINGS (CB) (optional)



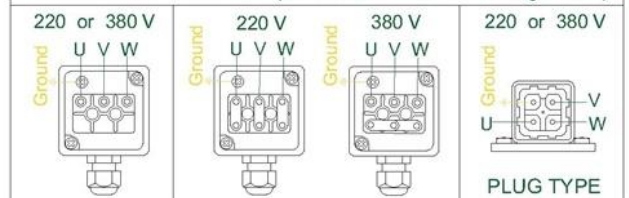
ER16 S - NUT

ER16 - COLLET



min Ø 1 mm  
max Ø10 mm

ELECTRIC CONNECTION (Check Motor Label For Voltage Value)

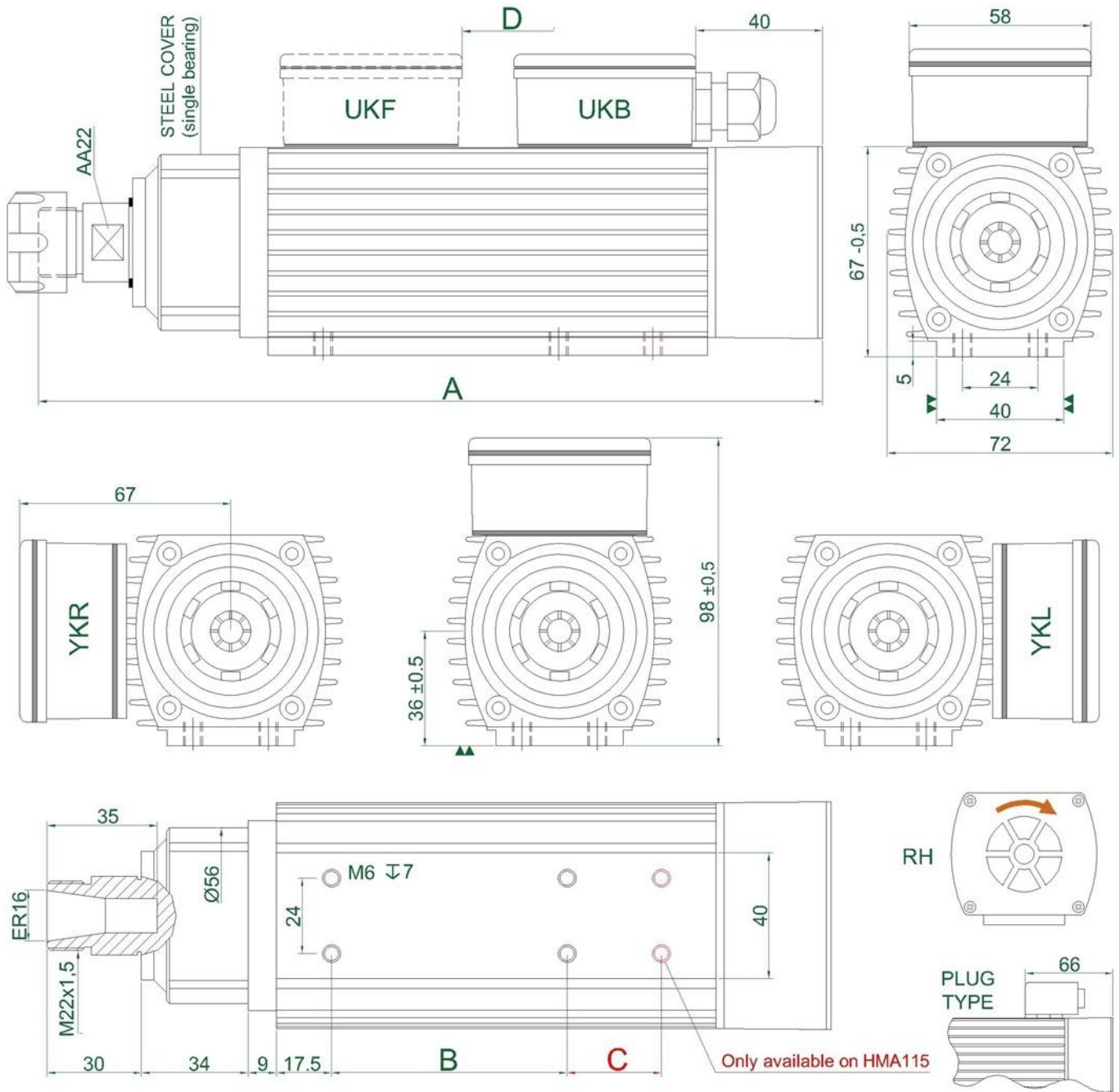


# CKM-ER16S

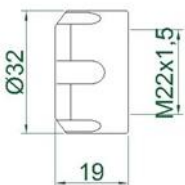


TYPE	A	B	C	D
HMA 55	205	60	-	70
HMA 60	210	60	-	75
HMA 70	220	75	-	85
HMA 85	235	75	-	110
HMA 95	250	75	-	115
HMA 115	270	75	30	135

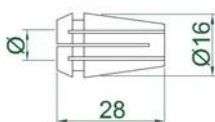
MEDIUM STEEL COVER (CKM) / SINGLE BEARING (SB)



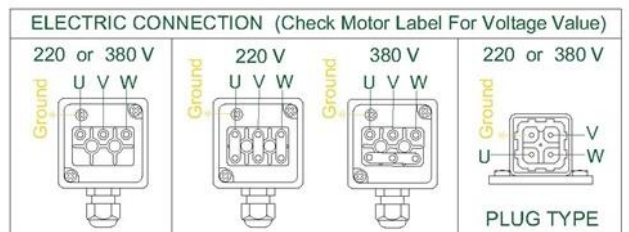
ER16 S - NUT



ER16 - COLLET



min Ø 1 mm  
max Ø10 mm

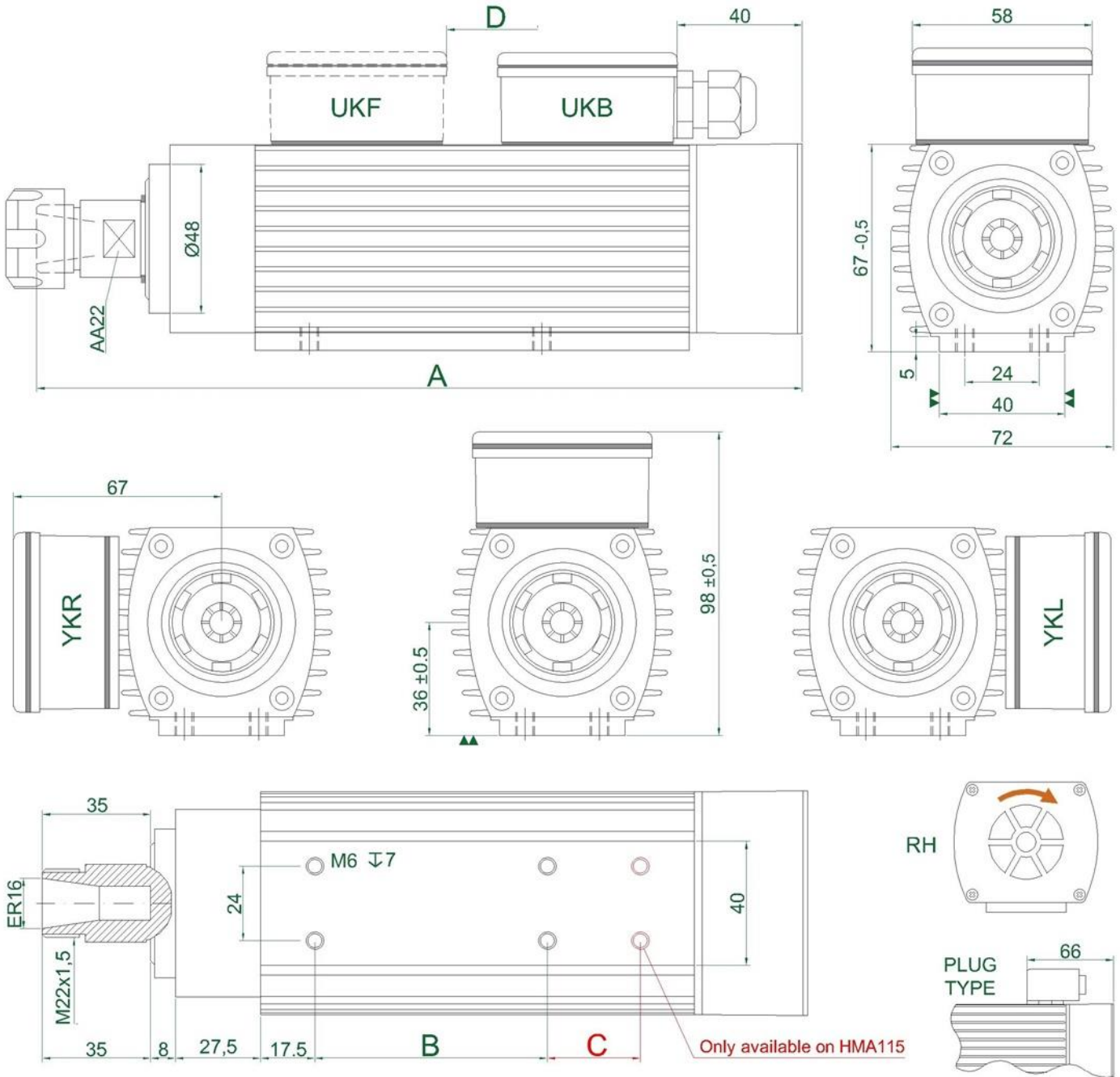


# AK-ER16S

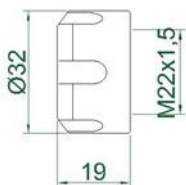


TYPE	A	B	C	D
HMA 55	202	60	-	70
HMA 60	207	60	-	75
HMA 70	217	75	-	85
HMA 85	232	75	-	110
HMA 95	247	75	-	115
HMA 115	267	75	30	135

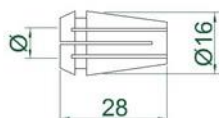
ALUMINUM COVER (AK) / SINGLE BEARING (SB)



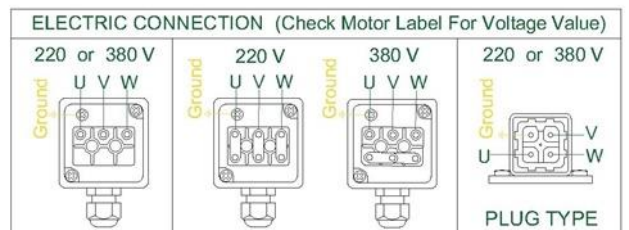
ER16 S - NUT



ER16 - COLLET



min Ø 1 mm  
max Ø10 mm

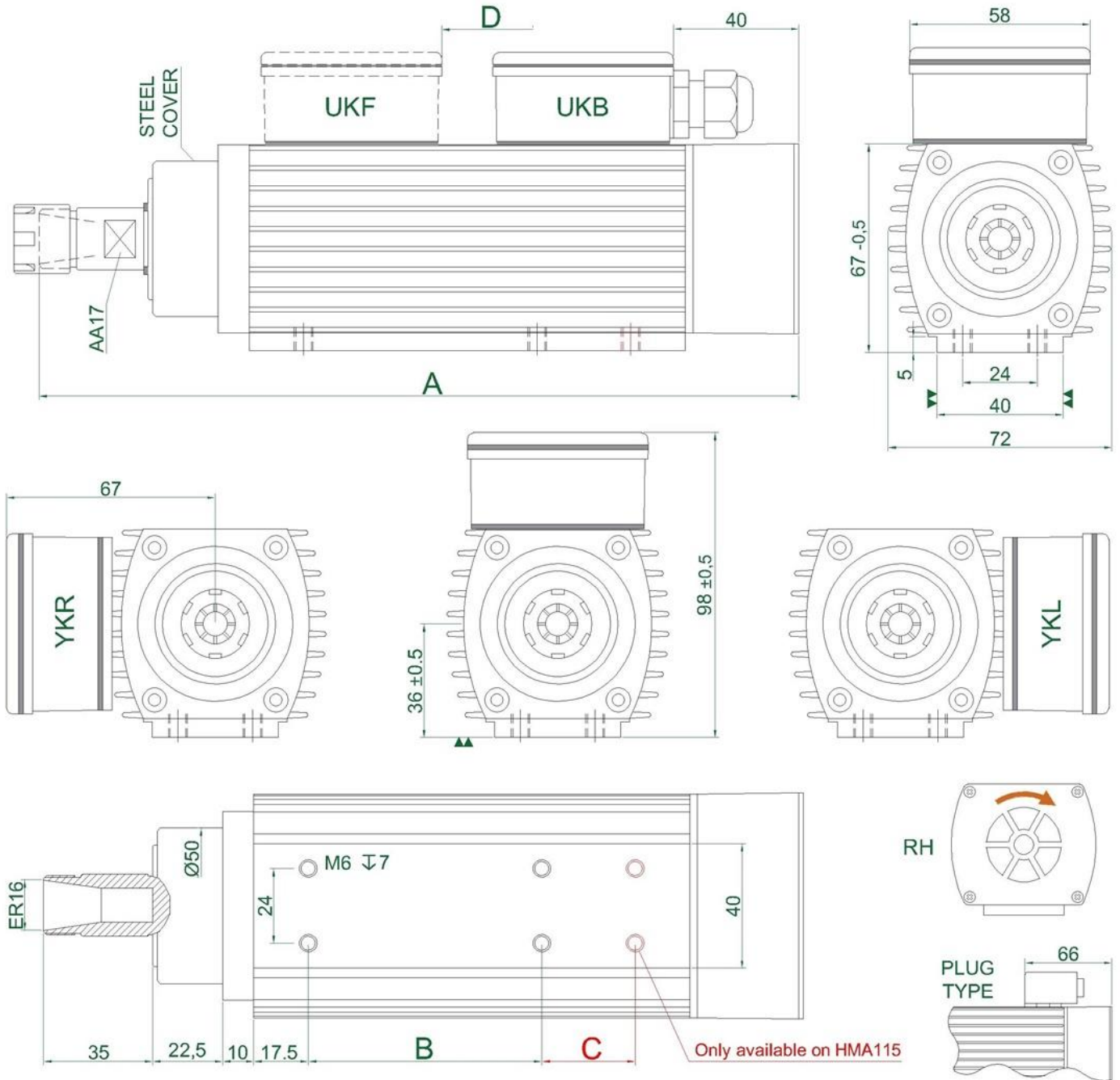




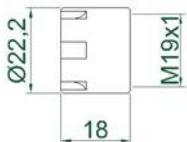
# CKS-ER16M

TYPE	A	B	C	D
HMA 55	199	60	-	70
HMA 60	204	60	-	75
HMA 70	214	75	-	85
HMA 85	229	75	-	110
HMA 95	244	75	-	115
HMA 115	264	75	30	135

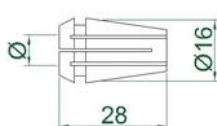
## SMALL STEEL COVER (CKS) / SINGLE BEARING (SB)



ER16 M - NUT

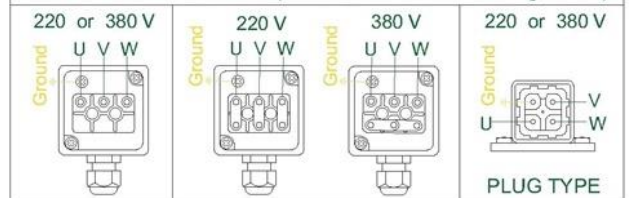


ER16 - COLLET



min  $\text{Ø} 1 \text{ mm}$   
max  $\text{Ø} 10 \text{ mm}$

ELECTRIC CONNECTION (Check Motor Label For Voltage Value)

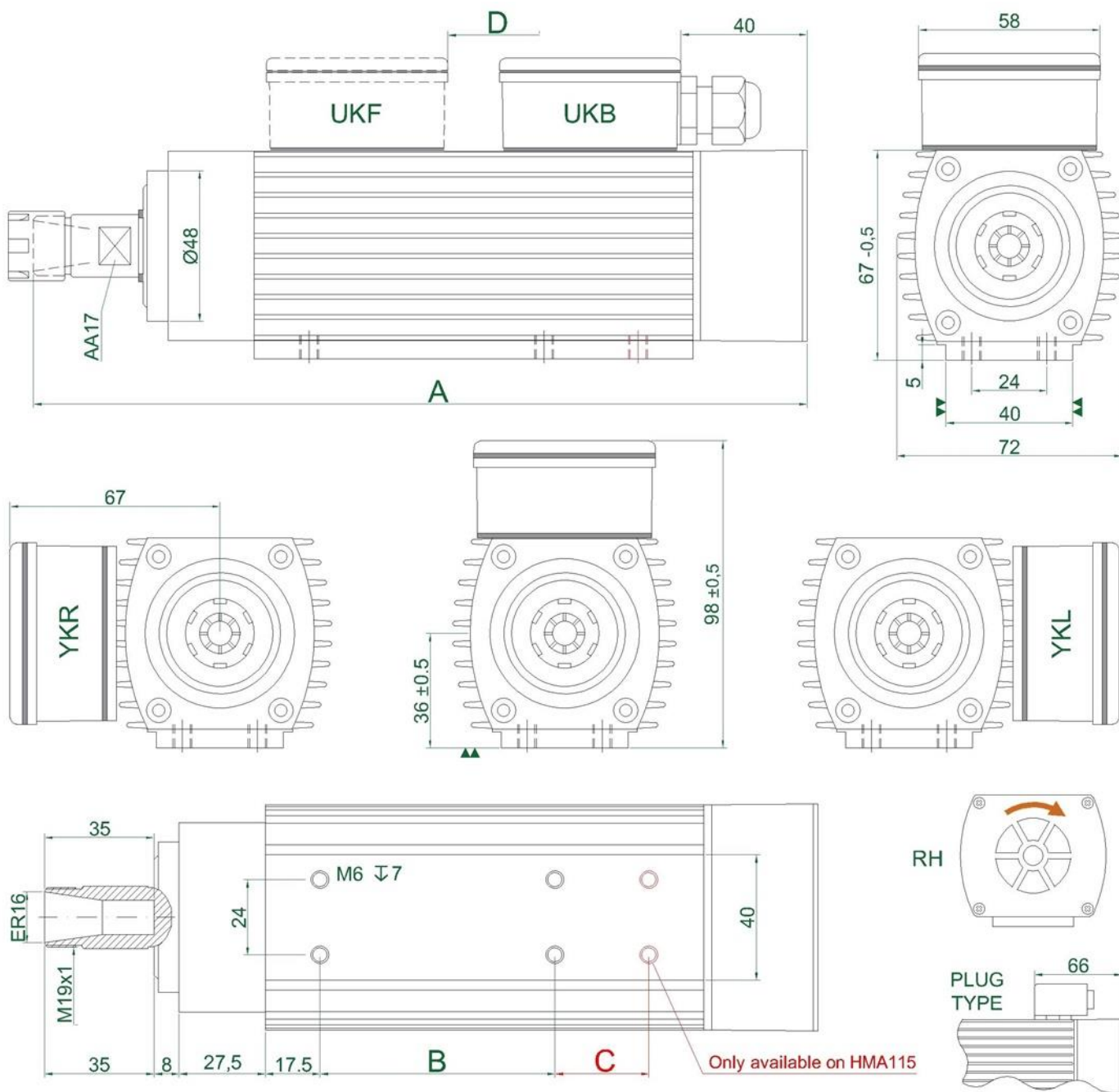


# AK-ER16M

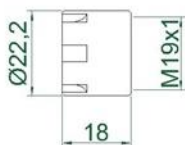
TYPE	A	B	C	D
HMA 55	202	60	-	70
HMA 60	207	60	-	75
HMA 70	217	75	-	85
HMA 85	232	75	-	110
HMA 95	247	75	-	115
HMA 115	267	75	30	135



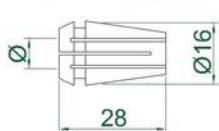
ALUMINUM COVER (AK) / SINGLE BEARING (SB)



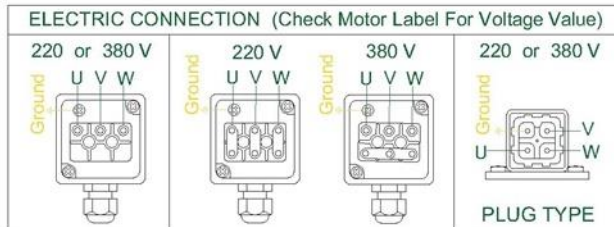
ER16 M - NUT



ER16 - COLLET



min Ø 1 mm  
max Ø10 mm

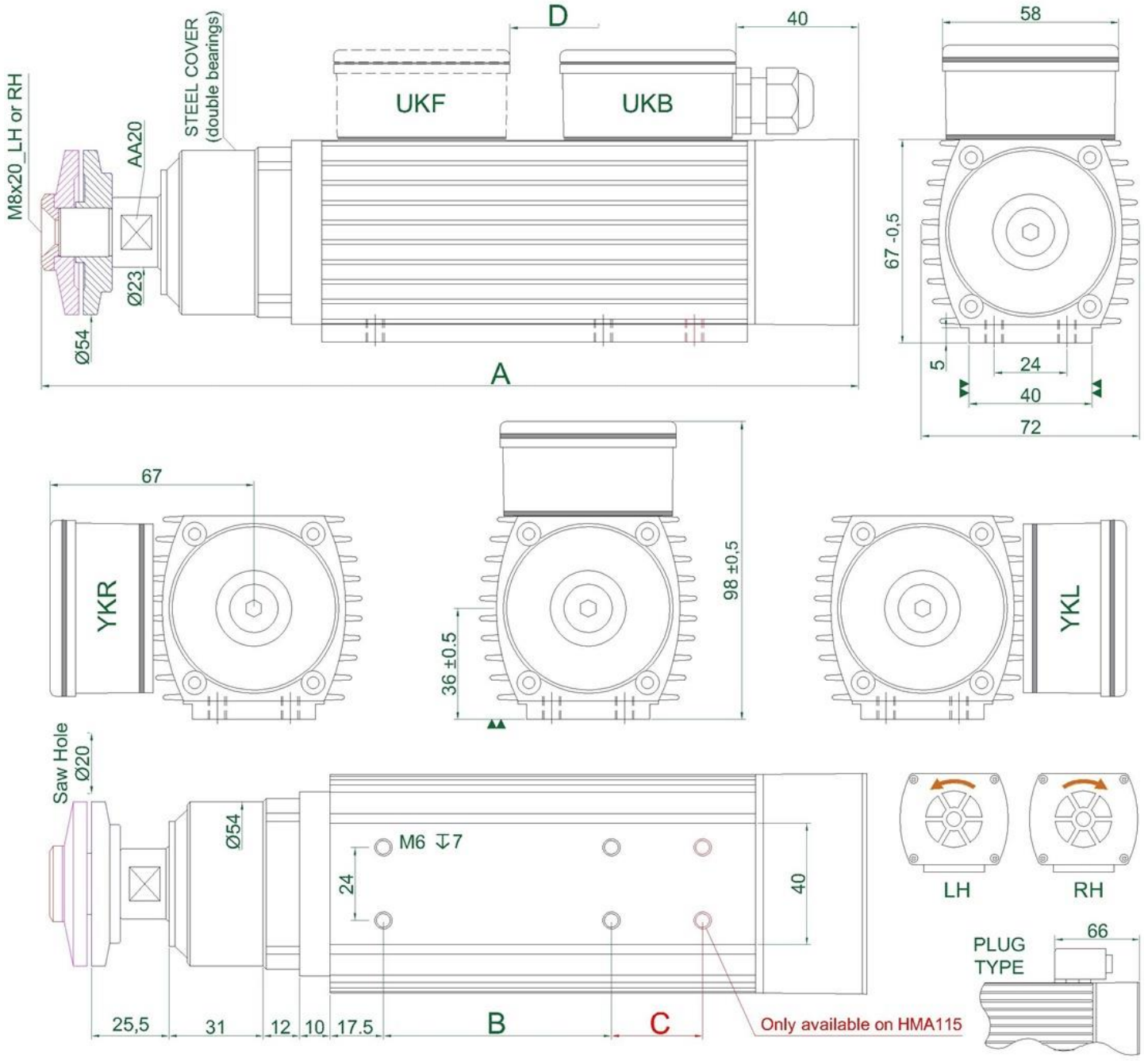


# CKL-FL20.54



TYPE	A	B	C	D
HMA 55	224	60	-	70
HMA 60	229	60	-	75
HMA 70	239	75	-	85
HMA 85	254	75	-	110
HMA 95	269	75	-	115
HMA 115	289	75	30	135

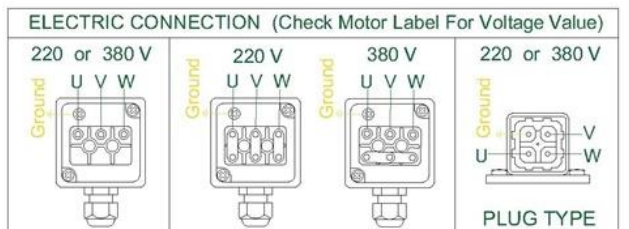
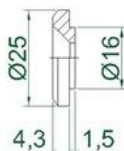
LONG STEEL COVER (CKL) / DOUBLE BEARINGS (DB) or CERAMIC BEARINGS (CB) (optional)



BOLT \_ M8 LH or RH



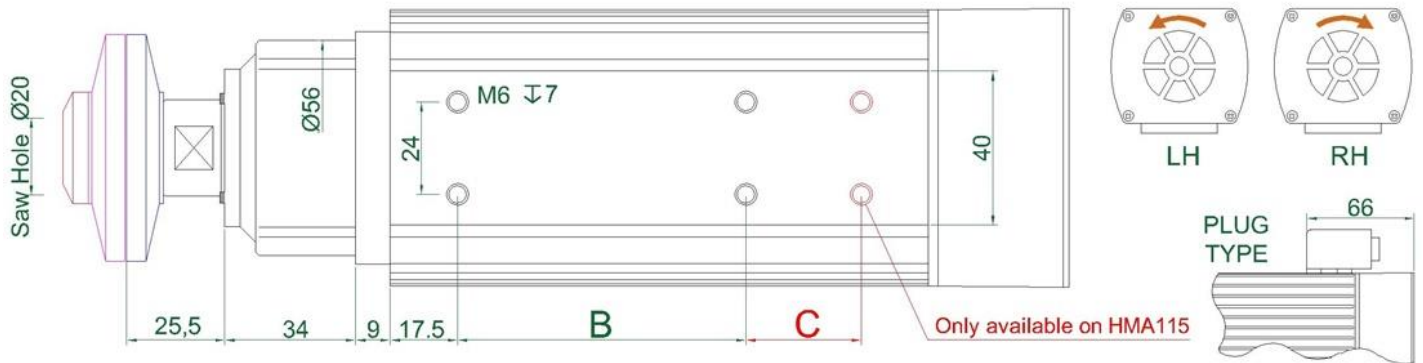
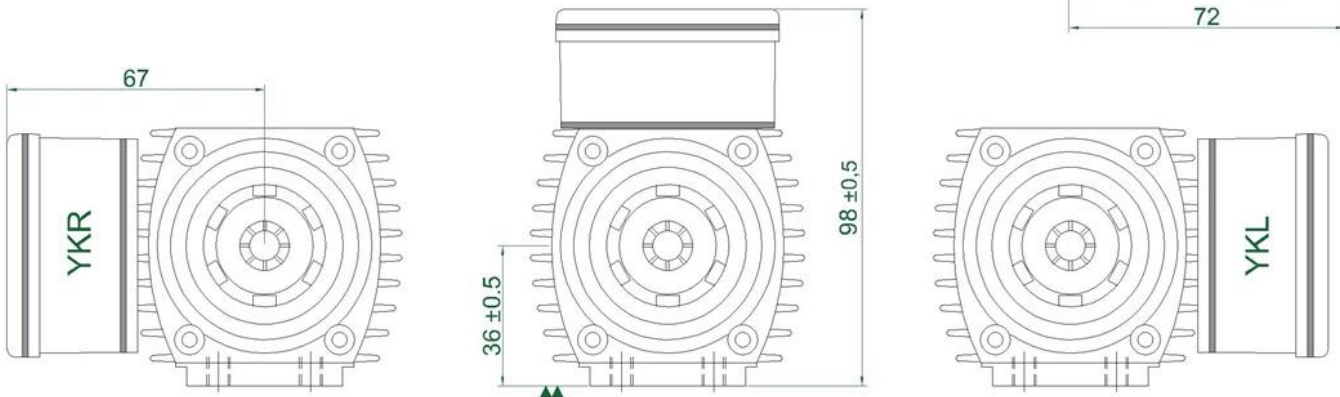
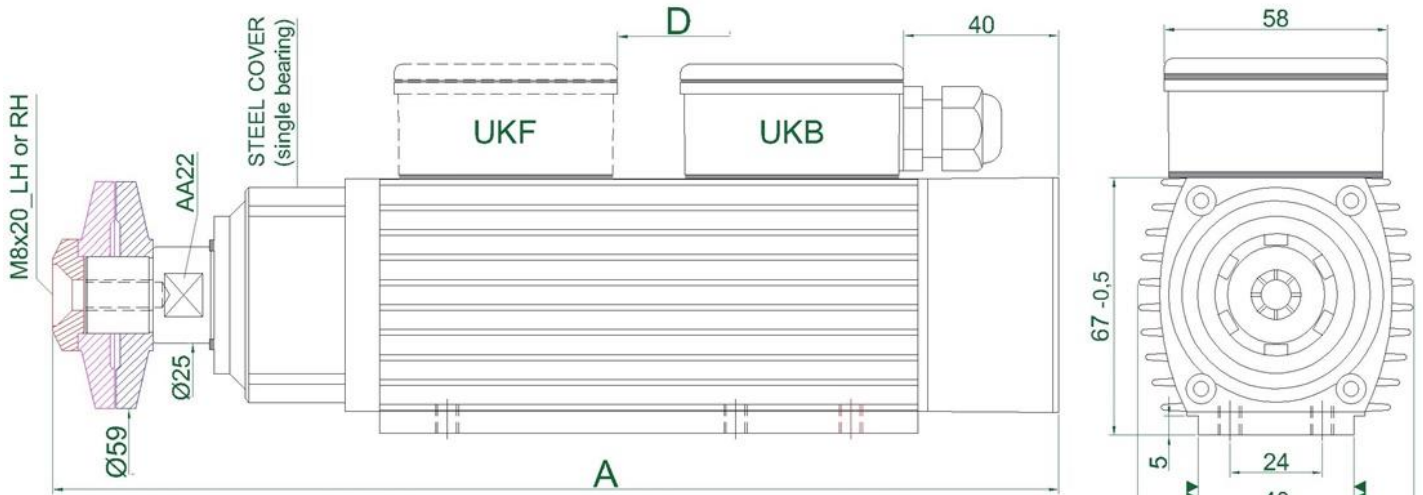
WASHER



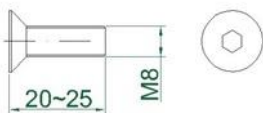
# CKM-FL20.59

TYPE	A	B	C	D
HMA 55	217	60	-	70
HMA 60	222	60	-	75
HMA 70	232	75	-	85
HMA 85	247	75	-	110
HMA 95	262	75	-	115
HMA 115	282	75	30	135

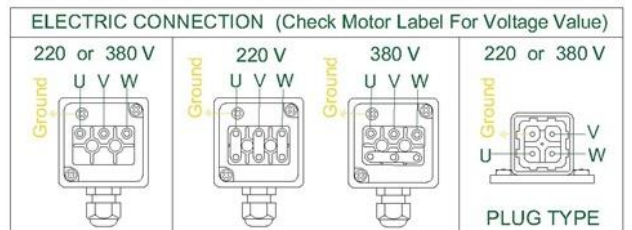
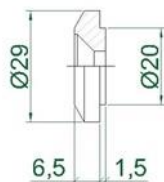
## MEDIUM STEEL COVER (CKM) / SINGLE BEARING (SB)



BOLT \_ M8 LH or RH



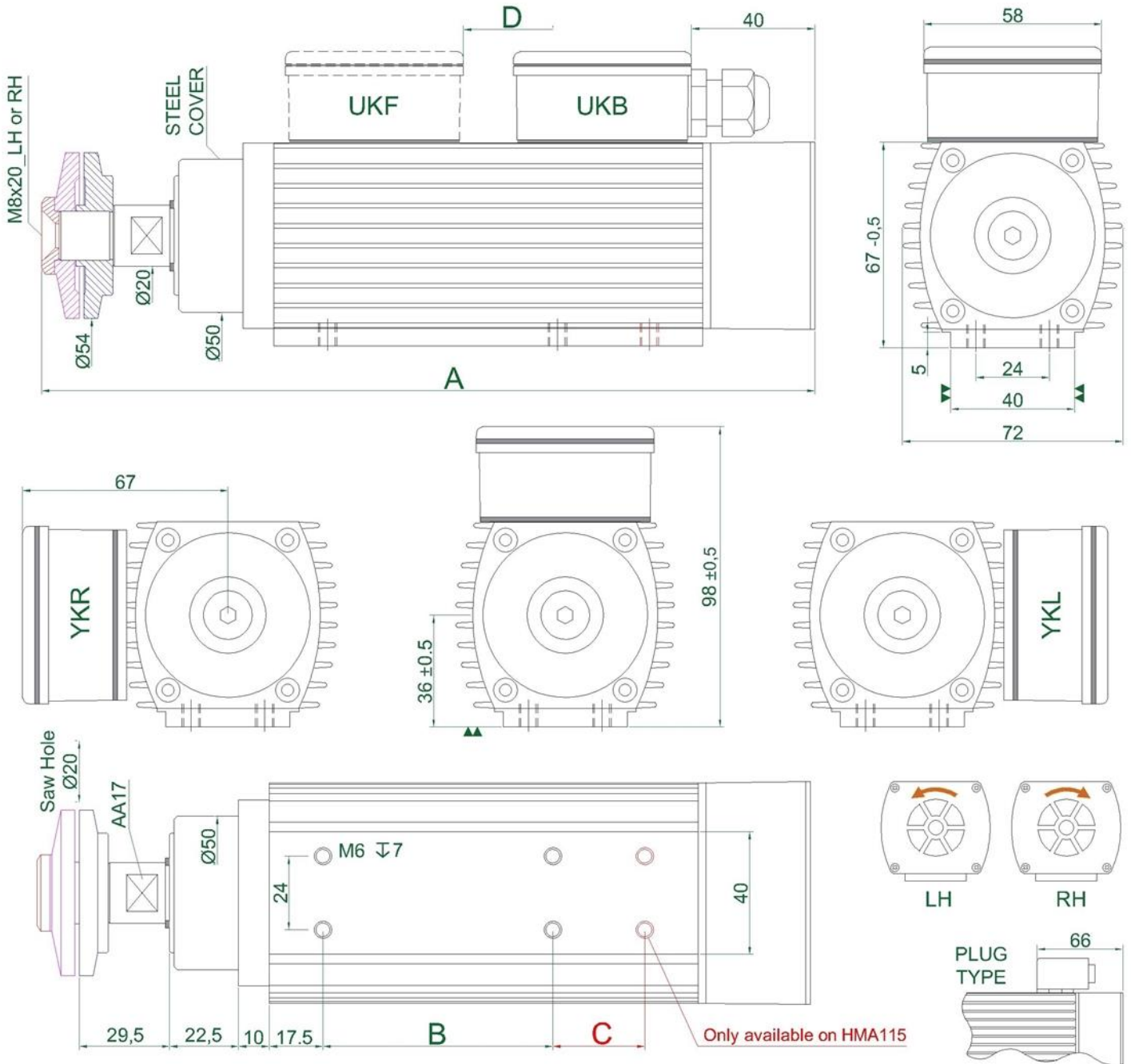
WASHER



# CKS-FL20.54

TYPE	A	B	C	D
HMA 55	208	60	-	70
HMA 60	213	60	-	75
HMA 70	223	75	-	85
HMA 85	238	75	-	110
HMA 95	253	75	-	115
HMA 115	273	75	30	135

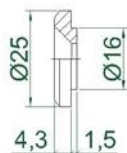
## SMALL STEEL COVER (CKS) / SINGLE BEARING (SB)



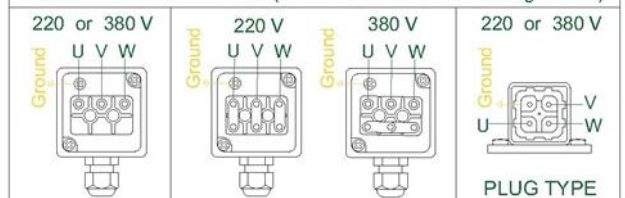
BOLT \_ M8 LH or RH



WASHER



ELECTRIC CONNECTION (Check Motor Label For Voltage Value)

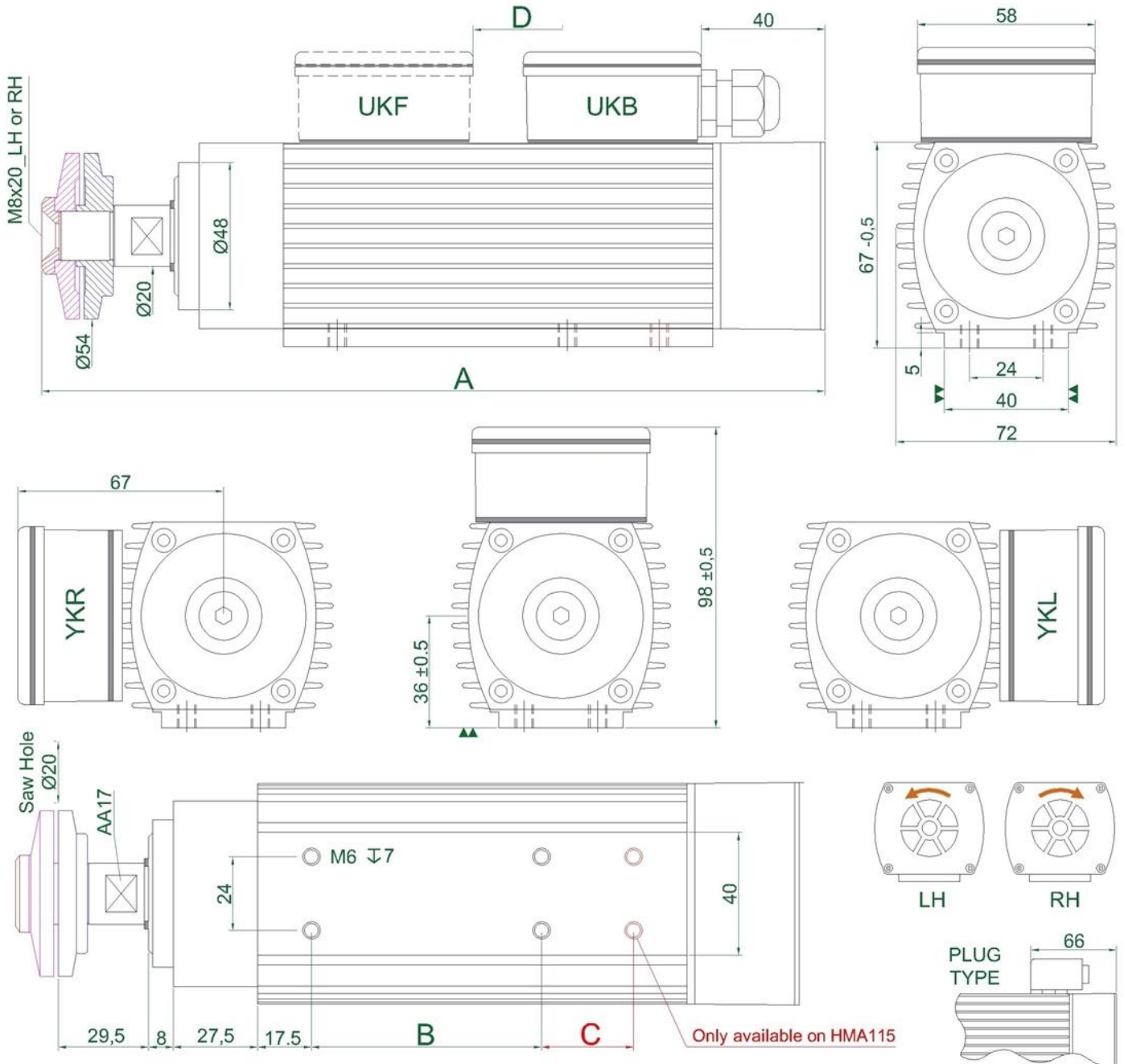


# AK-FL20.54



TYPE	A	B	C	D
HMA 55	211	60	-	70
HMA 60	216	60	-	75
HMA 70	226	75	-	85
HMA 85	241	75	-	110
HMA 95	256	75	-	115
HMA 115	276	75	30	135

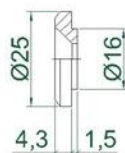
ALUMINUM COVER (AK) / SINGLE BEARING (SB)



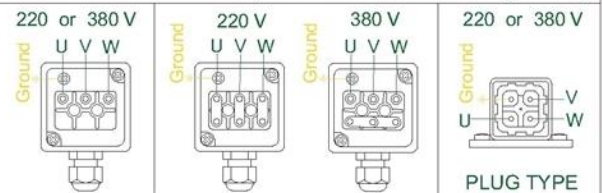
BOLT \_ M8 LH or RH



WASHER

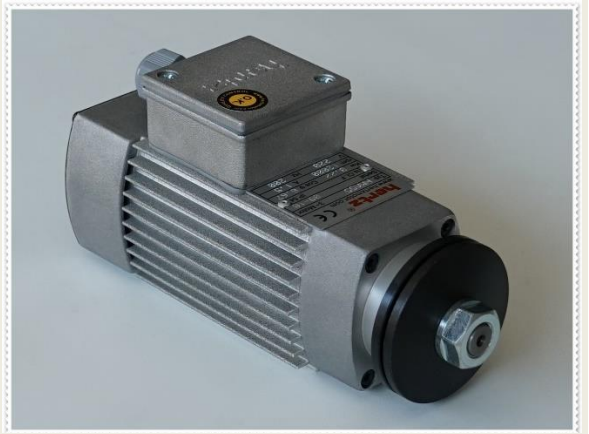


ELECTRIC CONNECTION (Check Motor Label For Voltage Value)

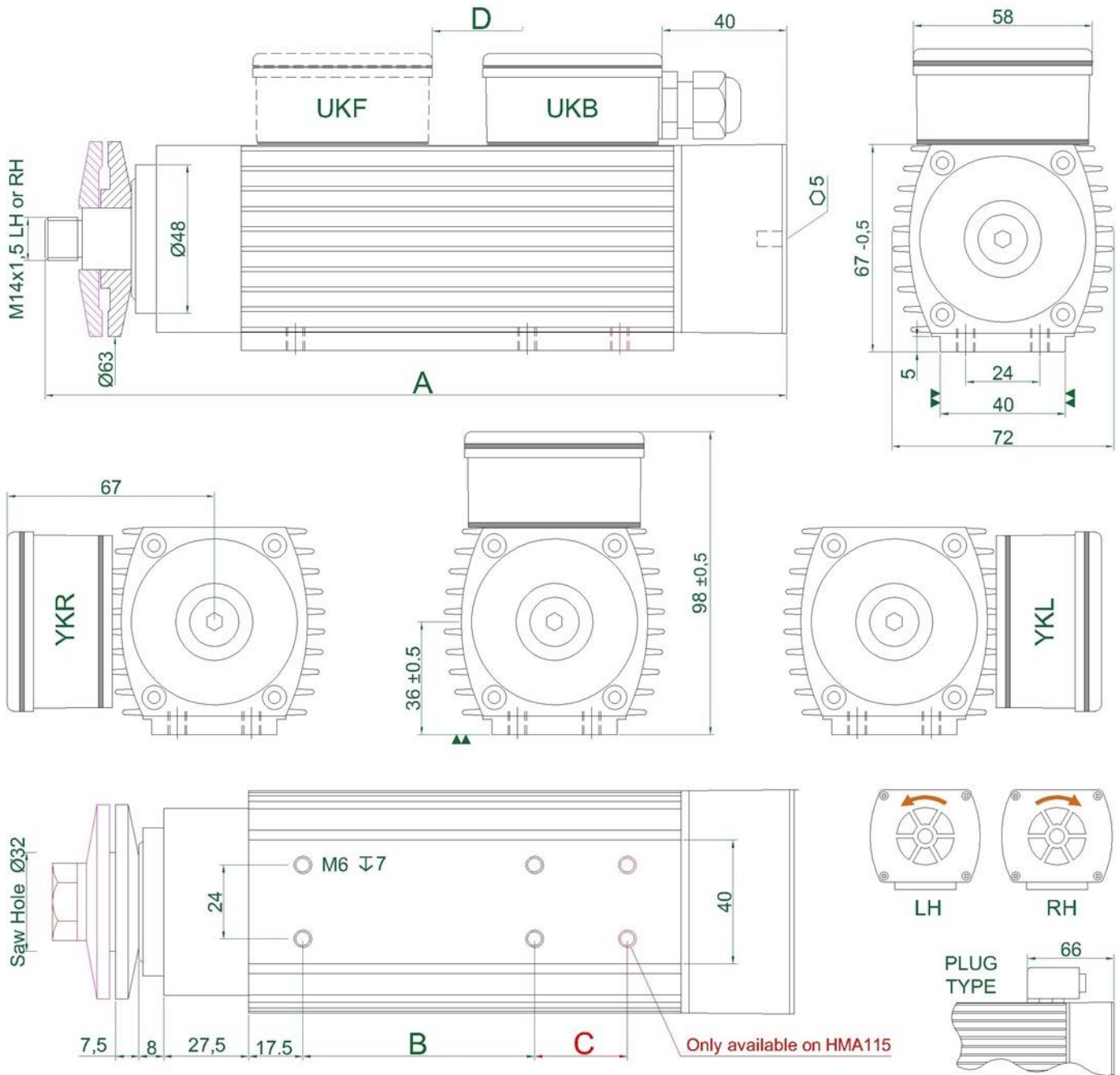


# AK-FL32.63M

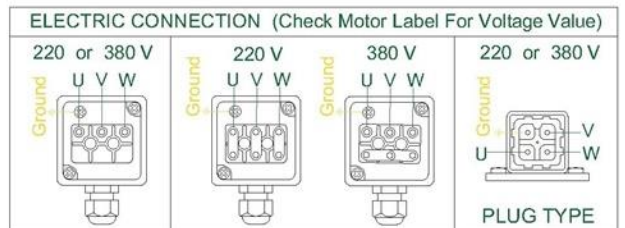
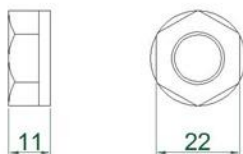
TYPE	A	B	C	D
HMA 55	195	60	-	70
HMA 60	200	60	-	75
HMA 70	210	75	-	85
HMA 85	225	75	-	110
HMA 95	240	75	-	115
HMA 115	260	75	30	135



ALUMINUM COVER (AK) / SINGLE BEARING (SB)



NUT M14x1,5 LH or RH

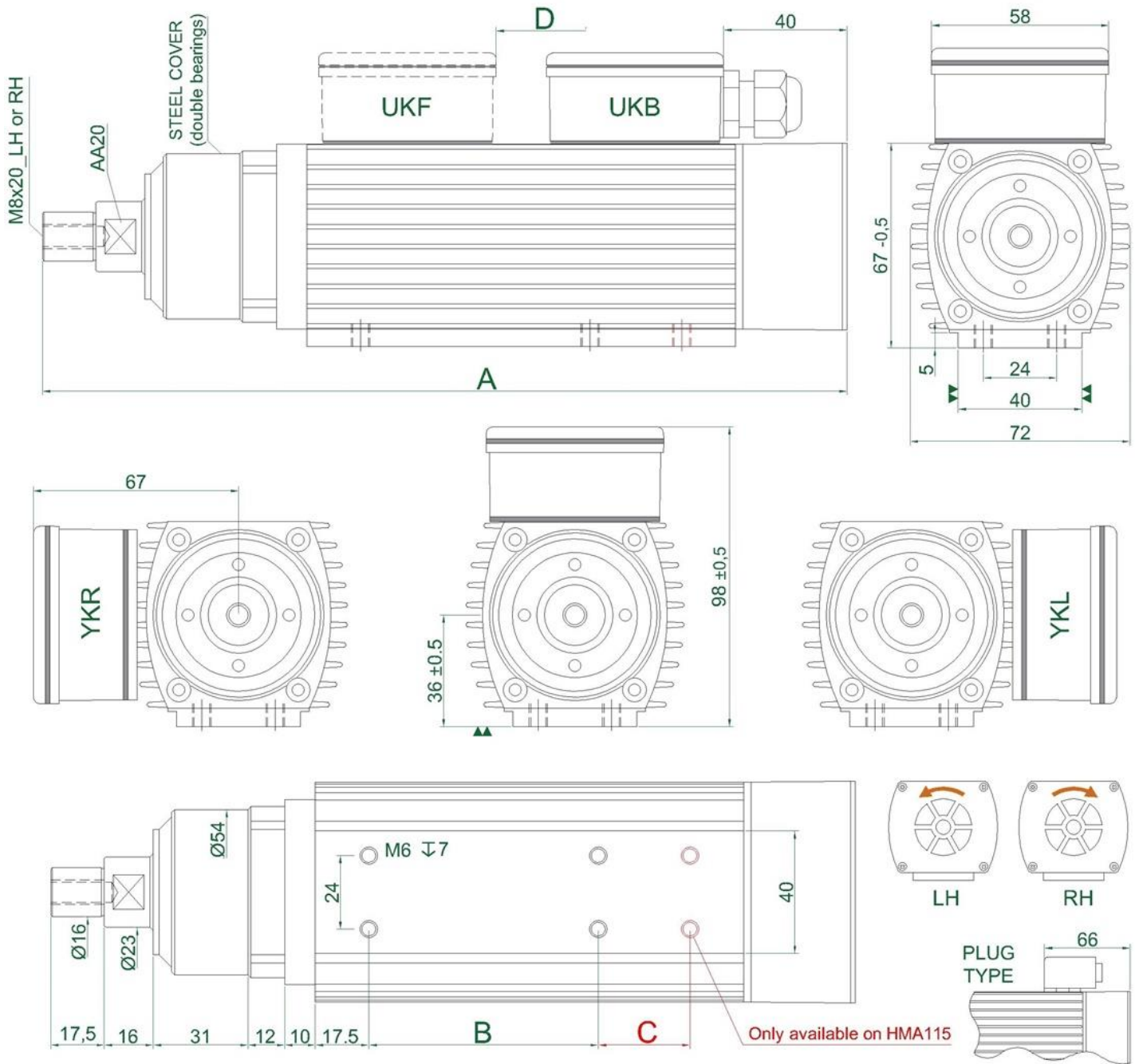


# CKL-L16.18



TYPE	A	B	C	D
HMA 55	218	60	-	70
HMA 60	223	60	-	75
HMA 70	233	75	-	85
HMA 85	248	75	-	110
HMA 95	263	75	-	115
HMA 115	283	75	30	135

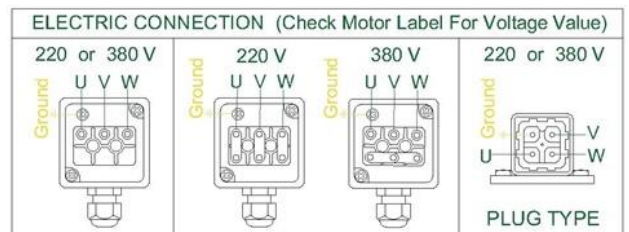
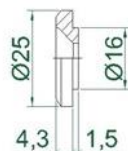
LONG STEEL COVER (CKL) / DOUBLE BEARINGS (DB) or CERAMIC BEARINGS (CB) (optional)



BOLT \_ M8 LH or RH



WASHER

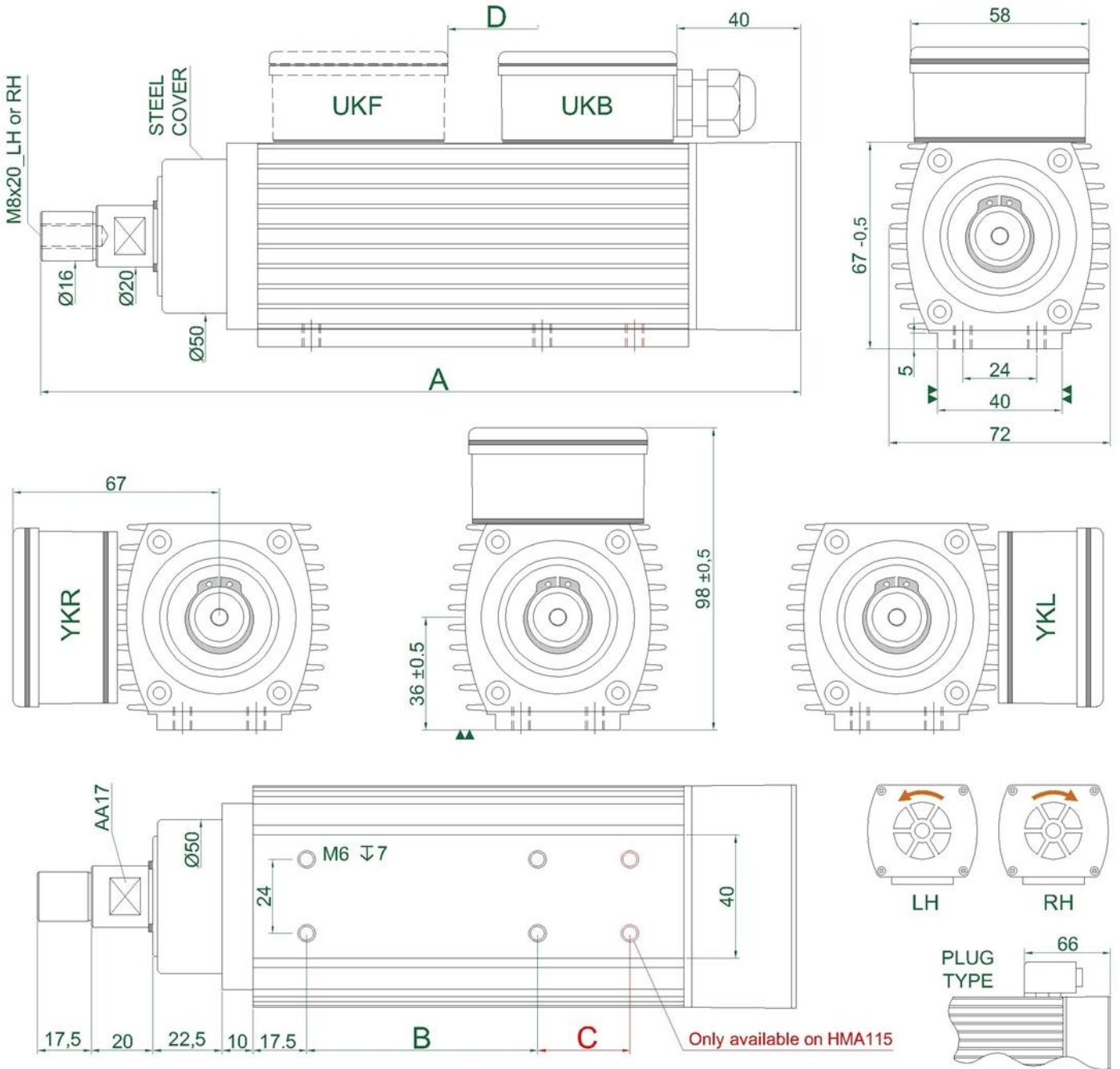




# CKS-L20.18

TYPE	A	B	C	D
HMA 55	202	60	-	70
HMA 60	207	60	-	75
HMA 70	217	75	-	85
HMA 85	232	75	-	110
HMA 95	247	75	-	115
HMA 115	267	75	30	135

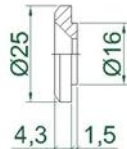
## SMALL STEEL COVER (CKS) / SINGLE BEARING (SB)



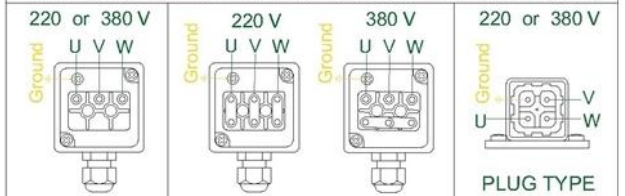
BOLT \_ M8 LH or RH



WASHER



ELECTRIC CONNECTION (Check Motor Label For Voltage Value)

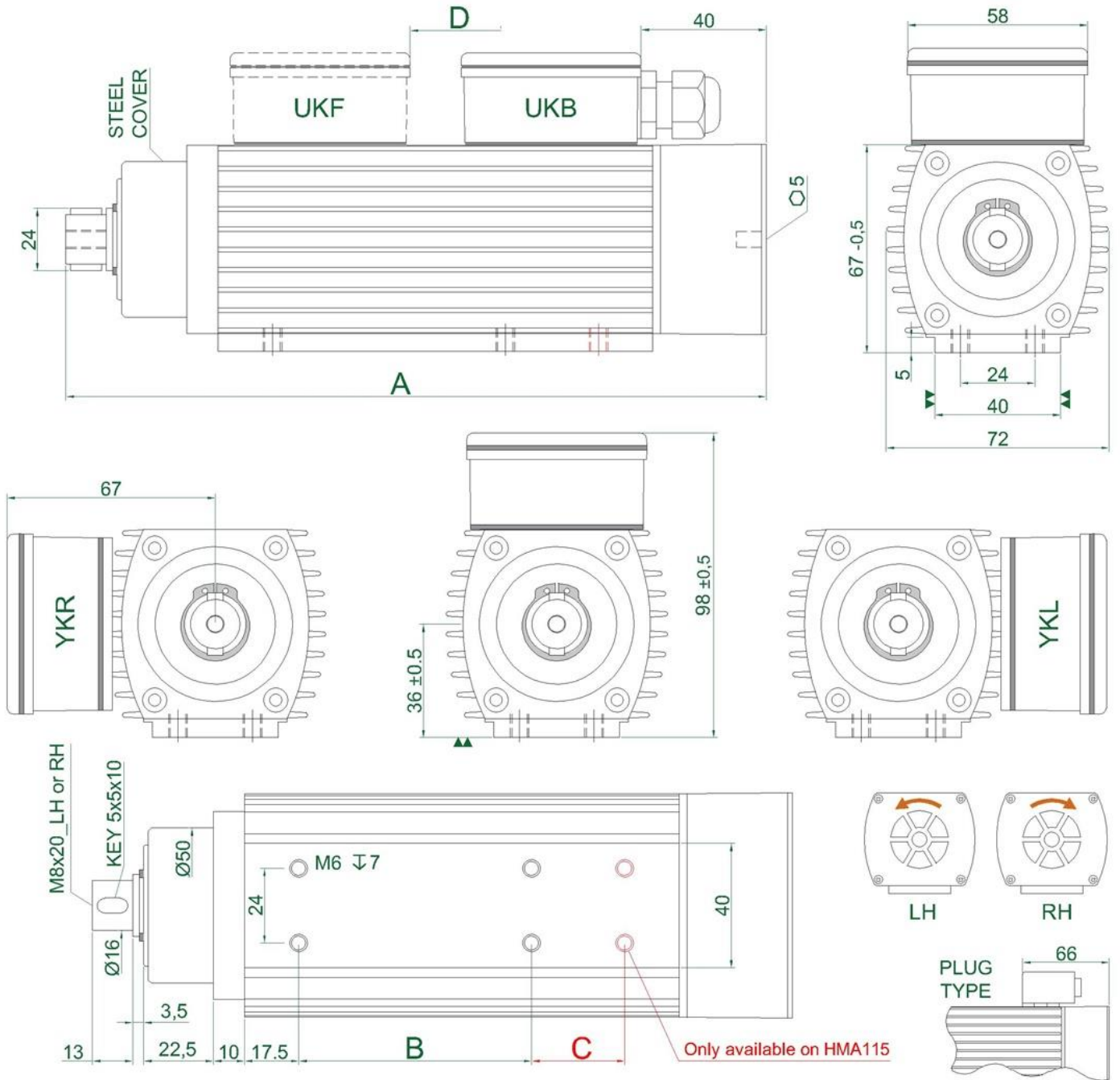


# CKS-L13K



TYPE	A	B	C	D
HMA 55	181	60	-	70
HMA 60	186	60	-	75
HMA 70	196	75	-	85
HMA 85	211	75	-	110
HMA 95	226	75	-	115
HMA 115	246	75	30	135

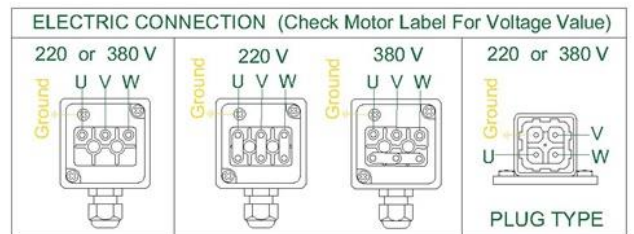
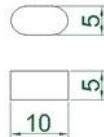
SMALL STEEL COVER (CKS) / SINGLE BEARING (SB)



BOLT \_ M8 LH or RH



KEY 5x5x10

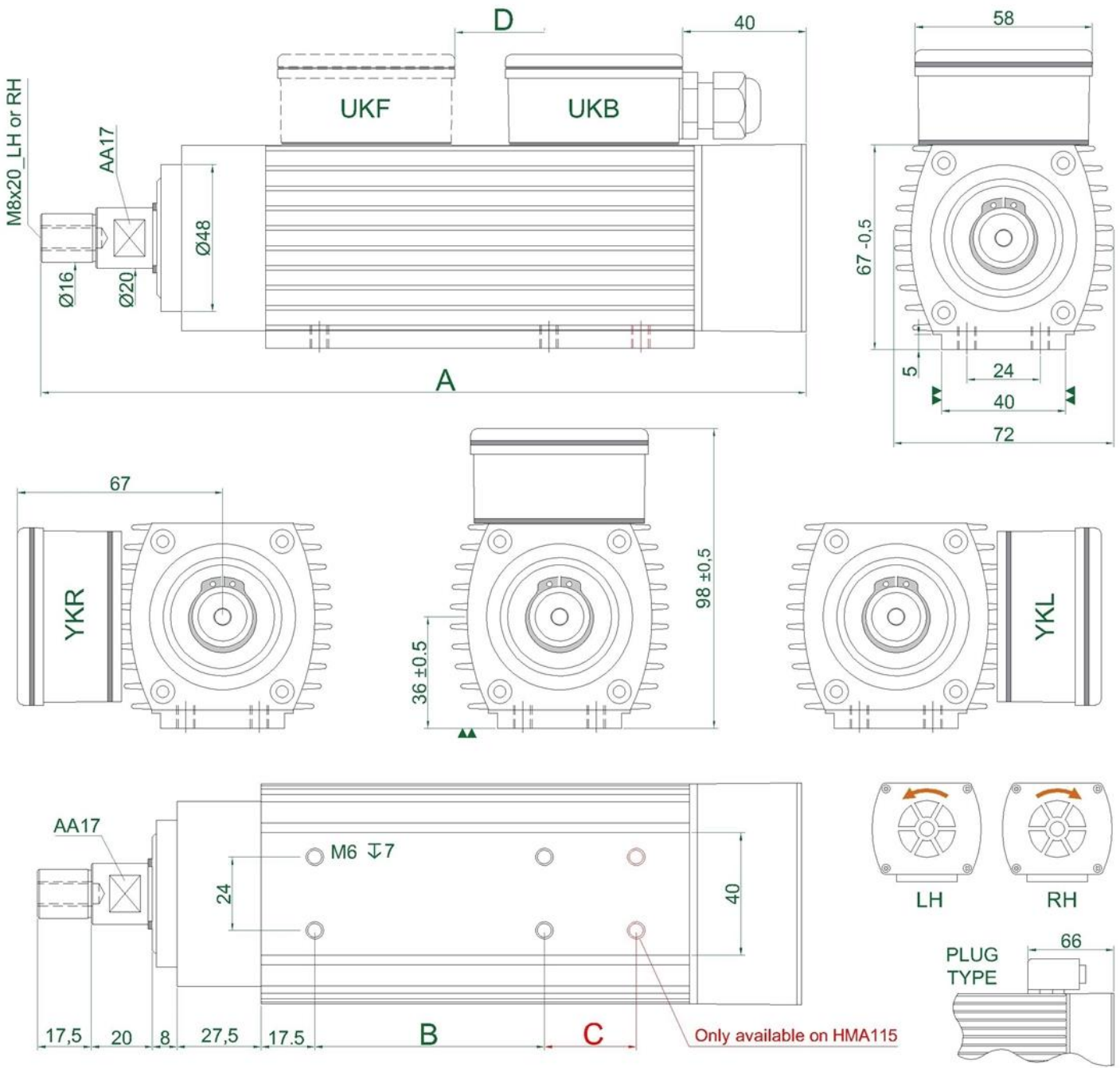


# AK-L20.18



TYPE	A	B	C	D
HMA 55	205	60	-	70
HMA 60	210	60	-	75
HMA 70	220	75	-	85
HMA 85	235	75	-	110
HMA 95	250	75	-	115
HMA 115	270	75	30	135

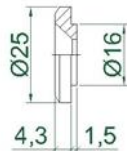
## ALUMINUM COVER (AK) / SINGLE BEARING (SB)



BOLT \_ M8 LH or RH



WASHER



### ELECTRIC CONNECTION (Check Motor Label For Voltage Value)

