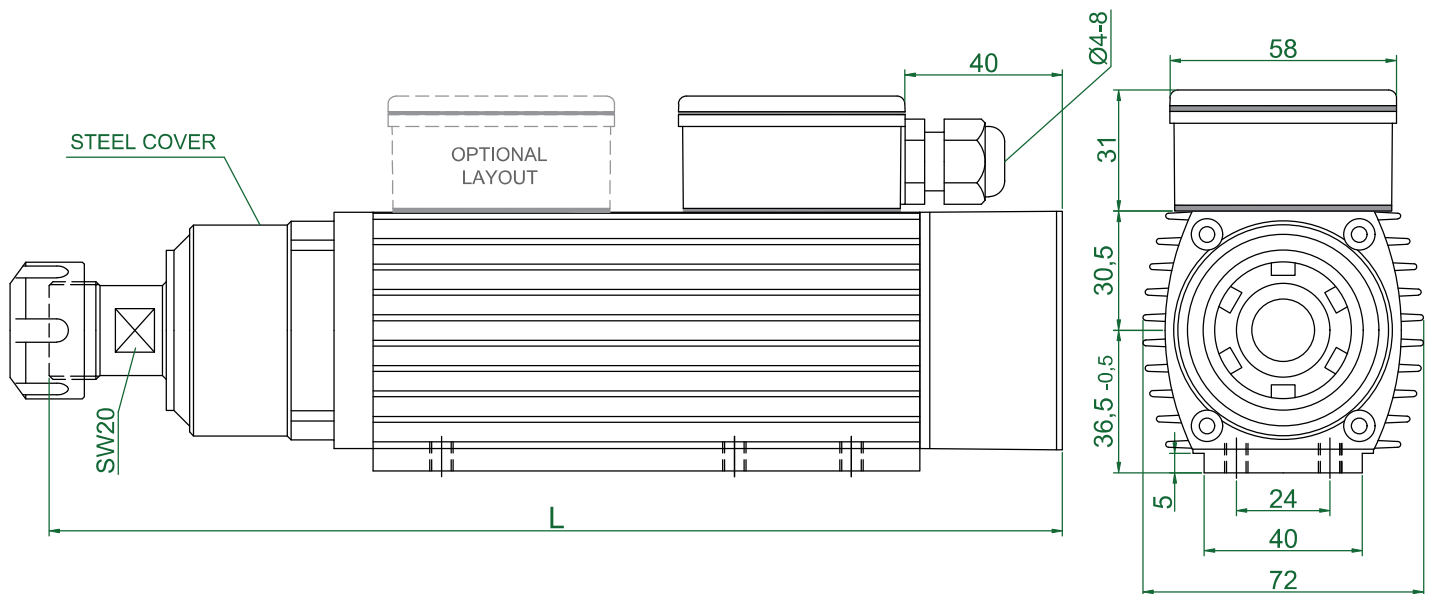
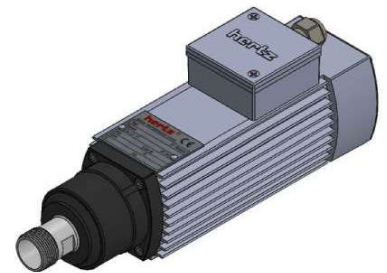
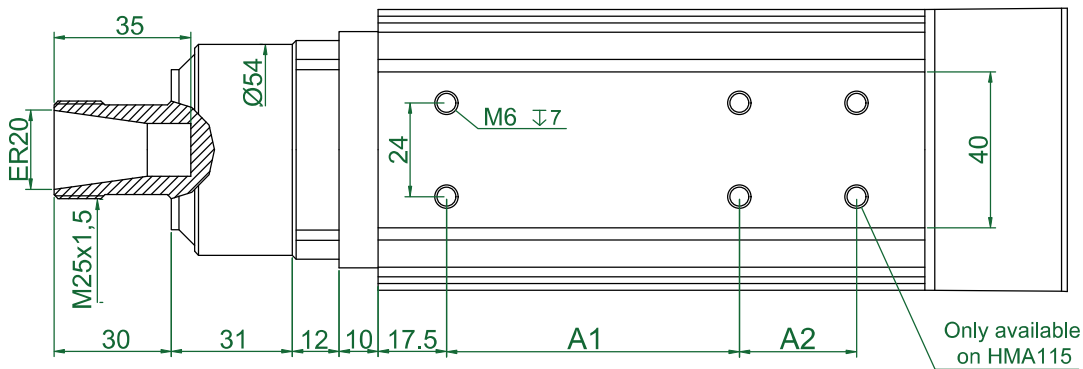
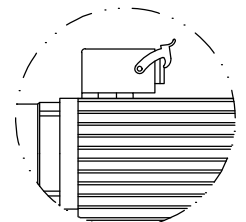


TYPE	Base Speed	Power kW	Frequency (Hz)			Voltage			Absorption	
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00
HMA 55	24000	0,25	250	400		220	380	220/380	1,60	0,92
HMA 60	24000	0,27	250	400		220	380	220/380	1,90	1,10
HMA 70	24000	0,45	250	400		220	380	220/380	2,40	1,40
HMA 85	24000	0,55	250	400		220	380	220/380	3,20	1,80
HMA 95	24000	0,75	250	400		220	380	220/380	3,70	2,20
HMA 115	24000	1,10	250	400		220	380	220/380	5,10	3,00

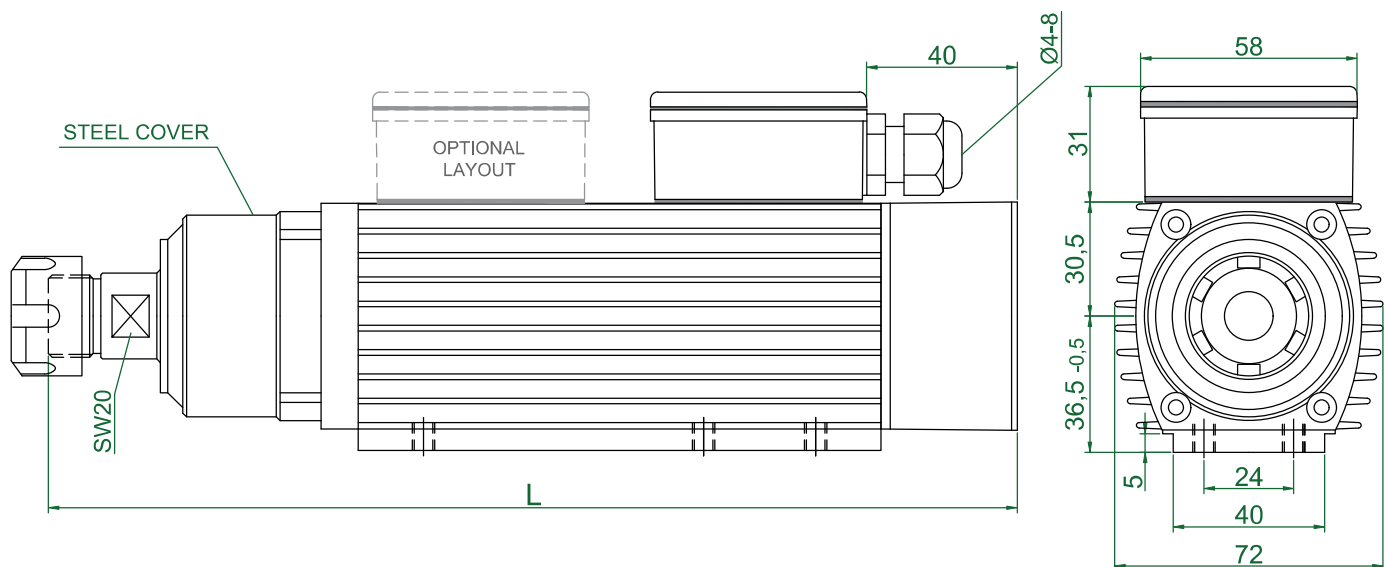
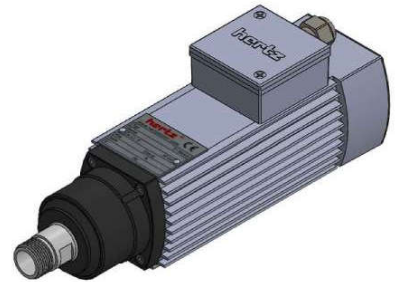
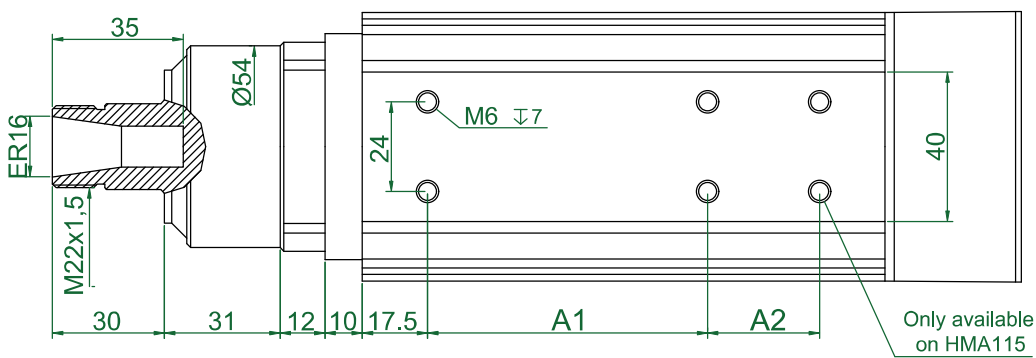


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_ER20S-CK-CR	60	-	215	2,500
HMA 60_ER20S-CK-CR	60	-	220	2,600
HMA 70_ER20S-CK-CR	75	-	230	2,700
HMA 85_ER20S-CK-CR	75	-	245	3,000
HMA 95_ER20S-CK-CR	75	-	260	3,200
HMA 115_ER20S-CK-CR	75	30	280	3,600

Plug Connection  
(optional)

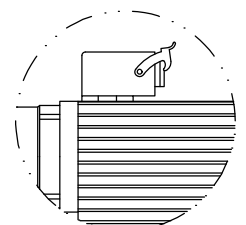


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00
HMA 55	24000	0,25	250	400		220	380	220/380	1,60	0,92
HMA 60	24000	0,27	250	400		220	380	220/380	1,90	1,10
HMA 70	24000	0,45	250	400		220	380	220/380	2,40	1,40
HMA 85	24000	0,55	250	400		220	380	220/380	3,20	1,80
HMA 95	24000	0,75	250	400		220	380	220/380	3,70	2,20
HMA 115	24000	1,10	250	400		220	380	220/380	5,10	3,00



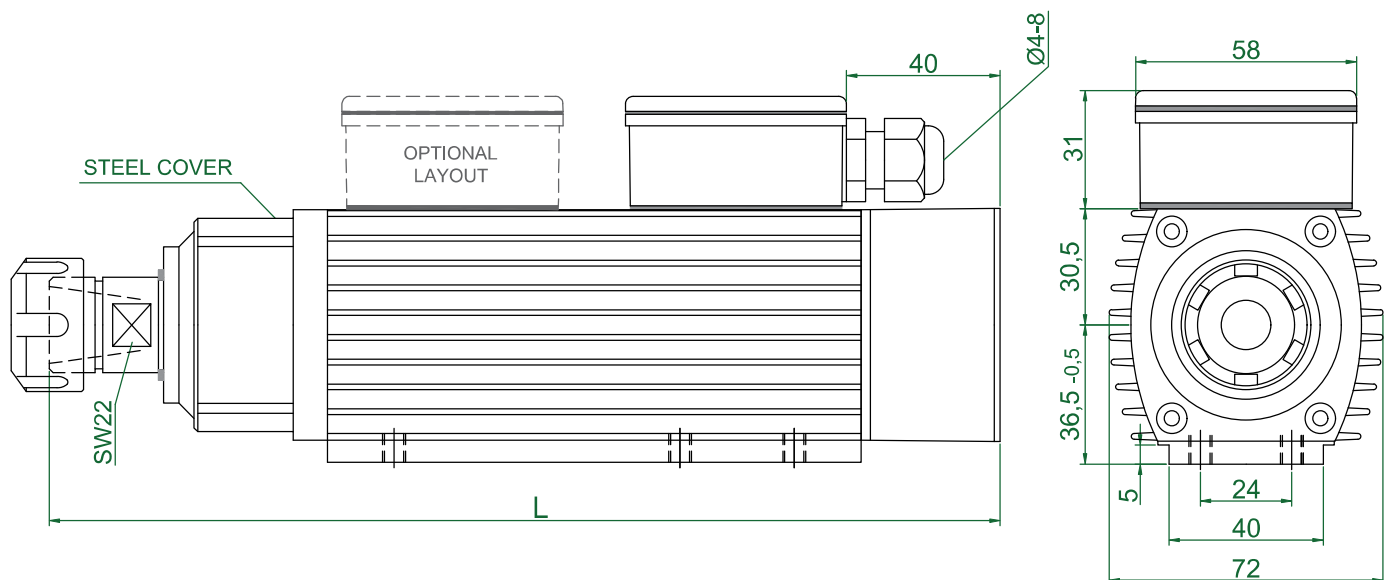
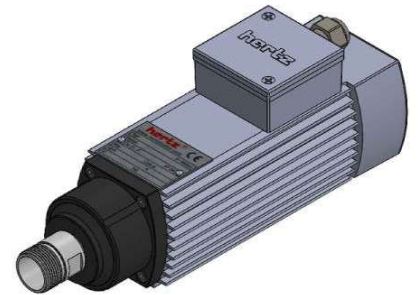
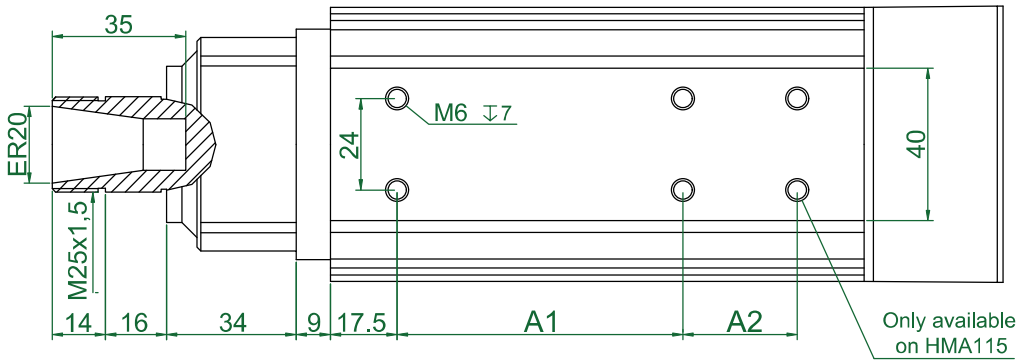
TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_ER16S-CK-CR	60	-	215	2,550
HMA 60_ER16S-CK-CR	60	-	220	2,600
HMA 70_ER16S-CK-CR	75	-	230	2,700
HMA 85_ER16S-CK-CR	75	-	245	3,100
HMA 95_ER16S-CK-CR	75	-	260	3,250
HMA 115_ER16S-CK-CR	75	30	280	3,600

Plug Connection (optional)



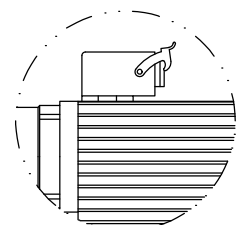


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00
HMA 55	24000	0,25	250	400		220	380	220/380	1,60	0,92
HMA 60	24000	0,27	250	400		220	380	220/380	1,90	1,10
HMA 70	24000	0,45	250	400		220	380	220/380	2,40	1,40
HMA 85	24000	0,55	250	400		220	380	220/380	3,20	1,80
HMA 95	24000	0,75	250	400		220	380	220/380	3,70	2,20
HMA 115	24000	1,10	250	400		220	380	220/380	5,10	3,00

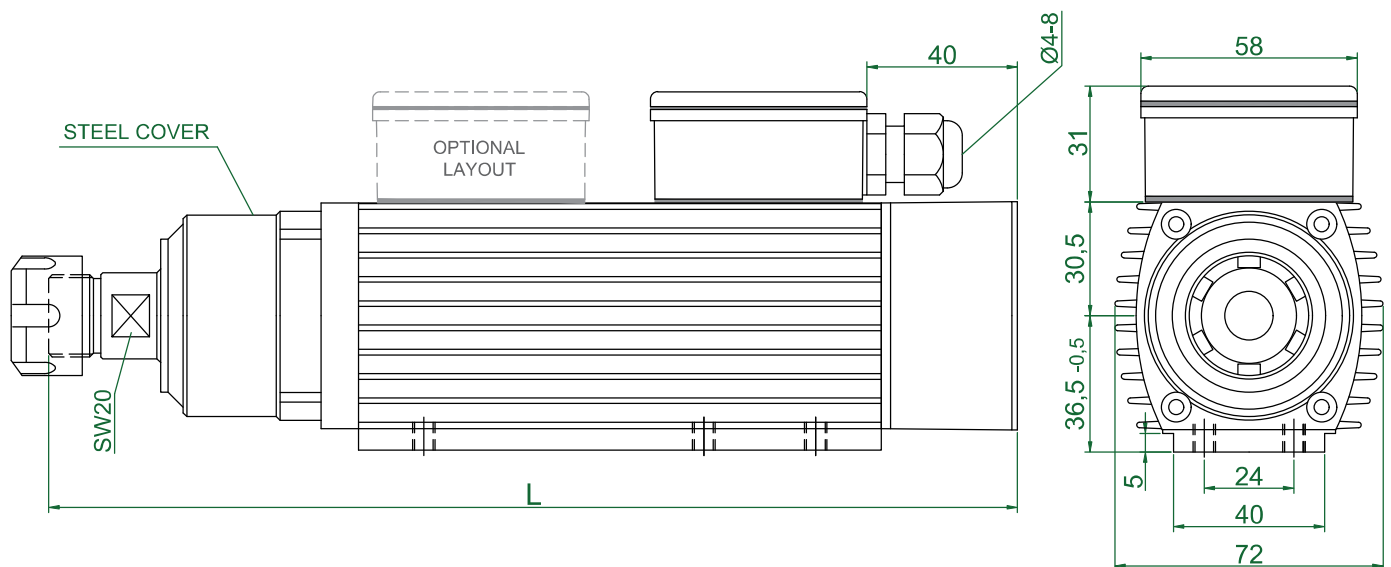
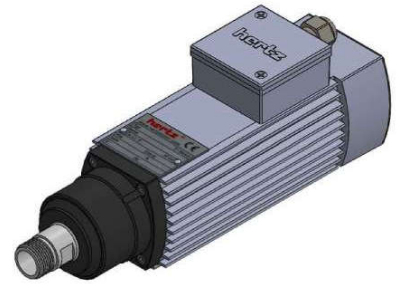
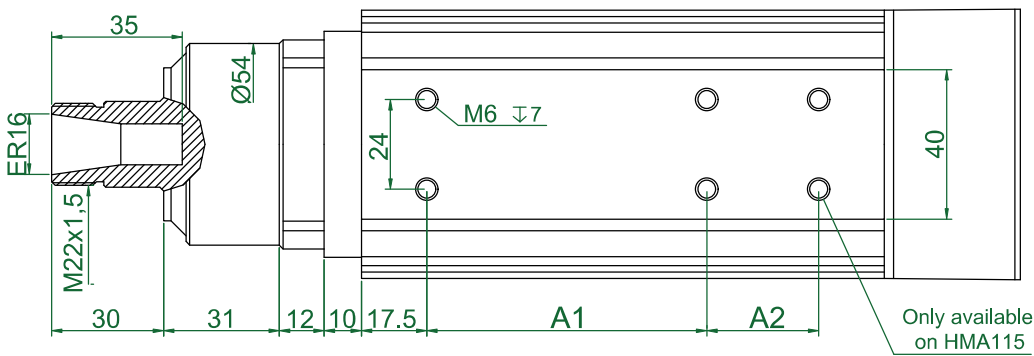


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_ER20S-CK-1R	60	-	210	2,300
HMA 60_ER20S-CK-1R	60	-	215	2,350
HMA 70_ER20S-CK-1R	75	-	225	2,450
HMA 85_ER20S-CK-1R	75	-	240	2,800
HMA 95_ER20S-CK-1R	75	-	250	3,000
HMA 115_ER20S-CK-1R	75	30	270	3,250

Plug Connection (optional)

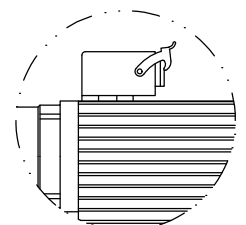


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00
HMA 55	24000	0,25	250	400		220	380	220/380	1,60	0,92
HMA 60	24000	0,27	250	400		220	380	220/380	1,90	1,10
HMA 70	24000	0,45	250	400		220	380	220/380	2,40	1,40
HMA 85	24000	0,55	250	400		220	380	220/380	3,20	1,80
HMA 95	24000	0,75	250	400		220	380	220/380	3,70	2,20
HMA 115	24000	1,10	250	400		220	380	220/380	5,10	3,00



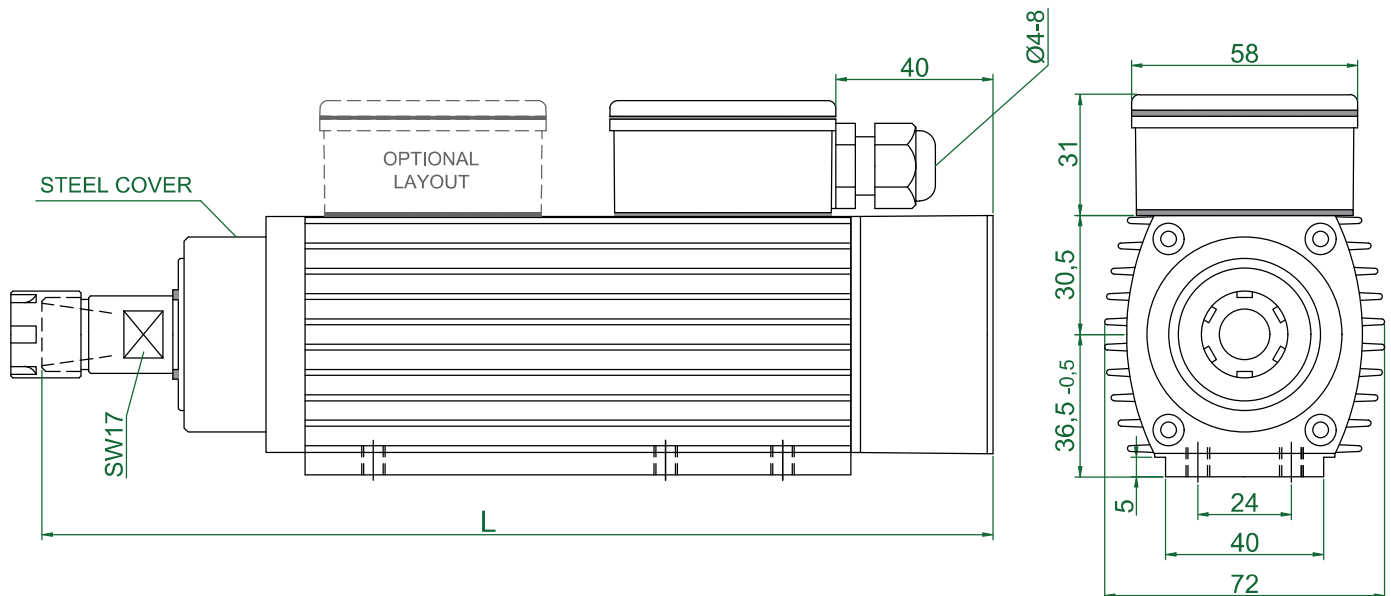
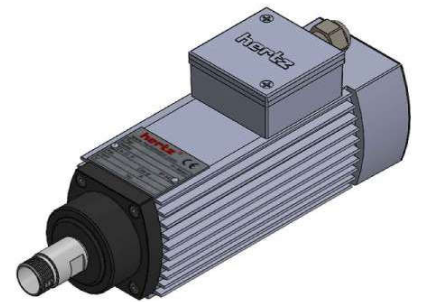
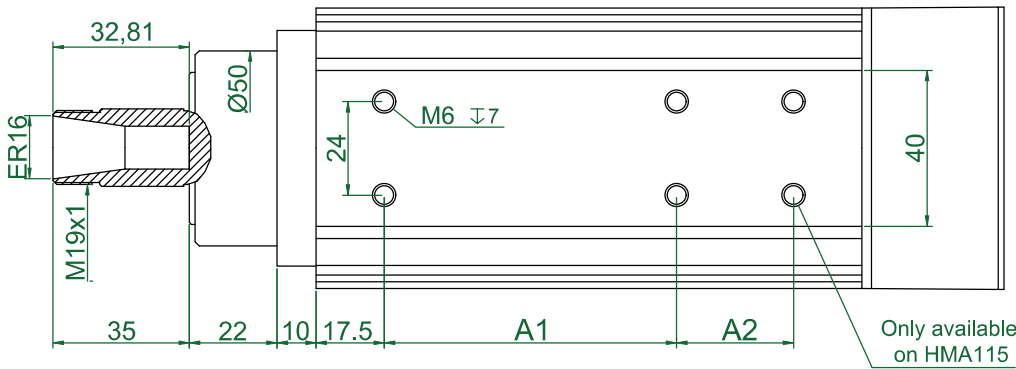
TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_ER16S-CK-2R	60	-	215	2,550
HMA 60_ER16S-CK-2R	60	-	220	2,600
HMA 70_ER16S-CK-2R	75	-	230	2,700
HMA 85_ER16S-CK-2R	75	-	245	3,100
HMA 95_ER16S-CK-2R	75	-	260	3,250
HMA 115_ER16S-CK-2R	75	30	280	3,600

Plug Connection (optional)



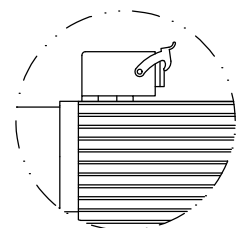


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00
HMA 55	24000	0,25	250	400		220	380	220/380	1,60	0,92
HMA 60	24000	0,27	250	400		220	380	220/380	1,90	1,10
HMA 70	24000	0,45	250	400		220	380	220/380	2,40	1,40
HMA 85	24000	0,55	250	400		220	380	220/380	3,20	1,80
HMA 95	24000	0,75	250	400		220	380	220/380	3,70	2,20
HMA 115	24000	1,10	250	400		220	380	220/380	5,10	3,00

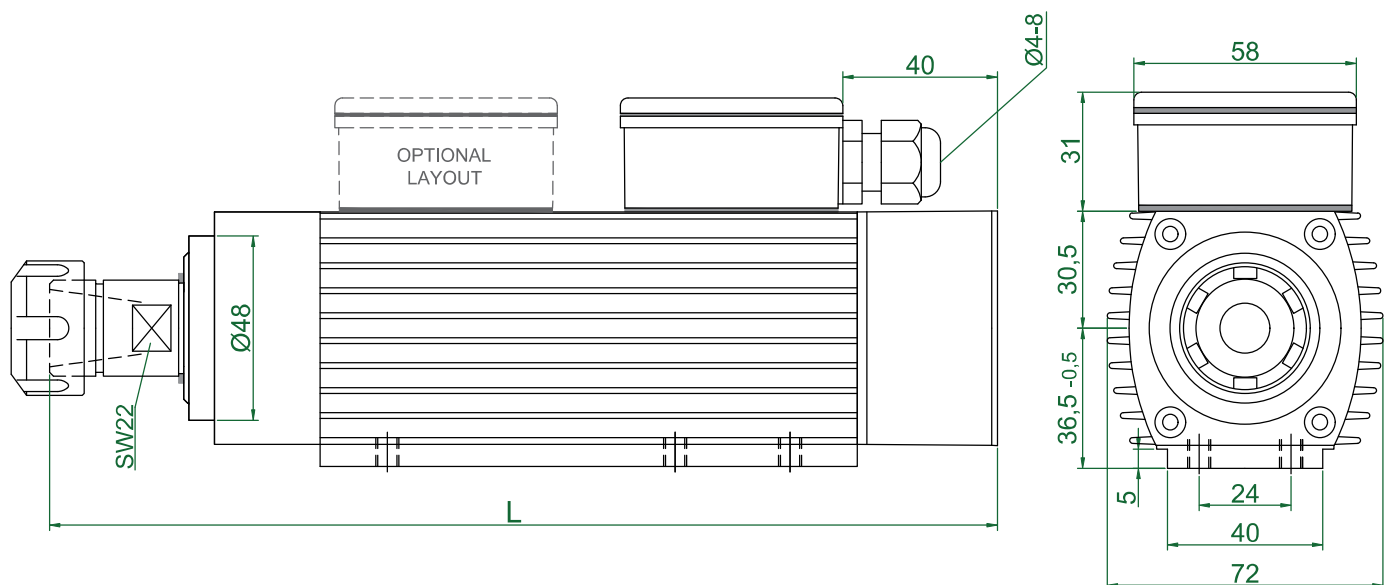
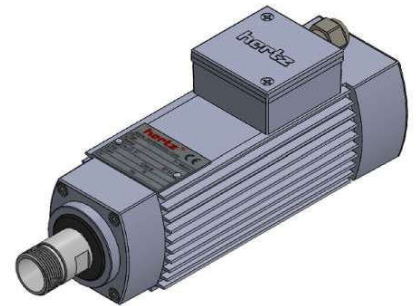
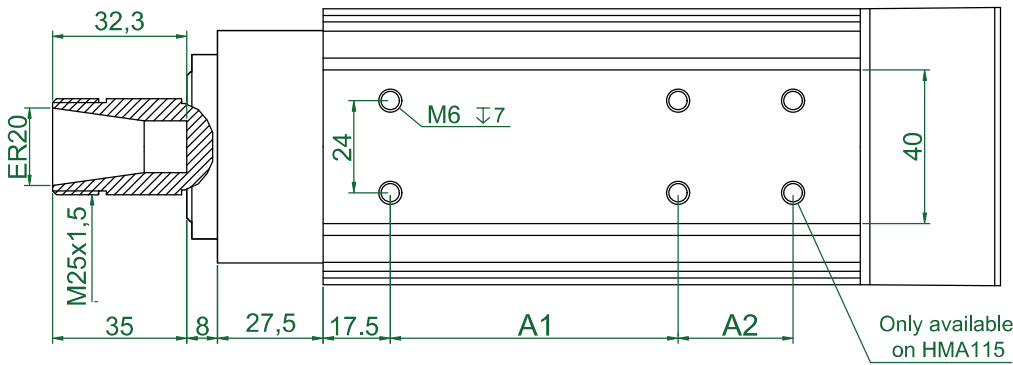


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_ER16M-CK-1R	60	-	204	2,350
HMA 60_ER16M-CK-1R	60	-	209	2,400
HMA 70_ER16M-CK-1R	75	-	219	2,450
HMA 85_ER16M-CK-1R	75	-	234	2,850
HMA 95_ER16M-CK-1R	75	-	244	3,000
HMA 115_ER16M-CK-1R	75	30	264	3,350

Plug Connection (optional)

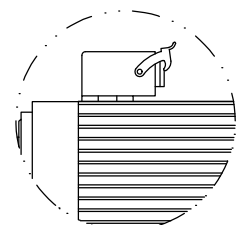


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00
HMA 55	24000	0,25	250	400		220	380	220/380	1,60	0,92
HMA 60	24000	0,27	250	400		220	380	220/380	1,90	1,10
HMA 70	24000	0,45	250	400		220	380	220/380	2,40	1,40
HMA 85	24000	0,55	250	400		220	380	220/380	3,20	1,80
HMA 95	24000	0,75	250	400		220	380	220/380	3,70	2,20
HMA 115	24000	1,10	250	400		220	380	220/380	5,10	3,00



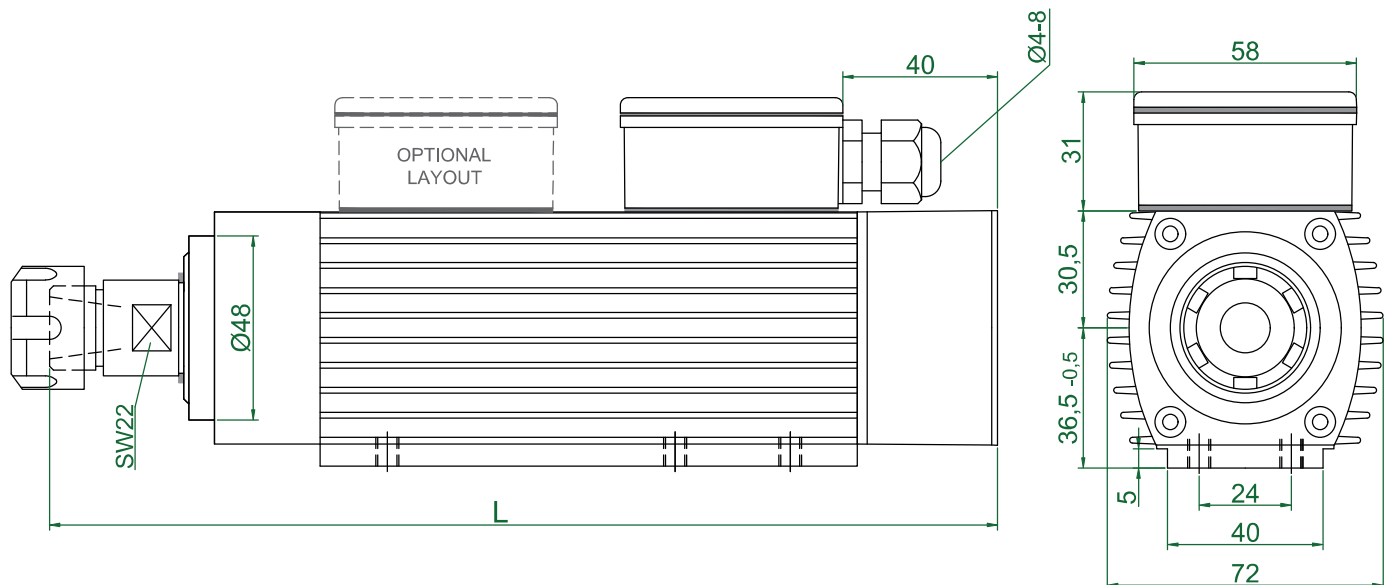
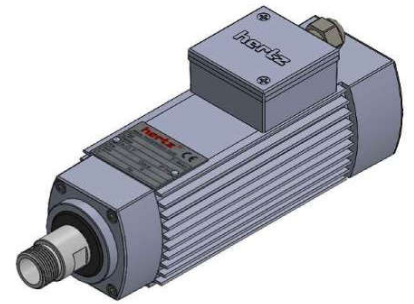
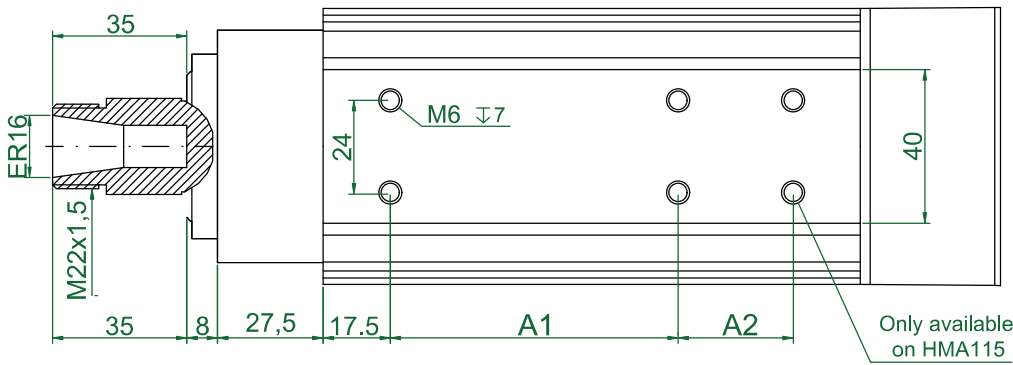
TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_ER20S-AK-1R	60	-	207	2,150
HMA 60_ER20S-AK-1R	60	-	212	2,200
HMA 70_ER20S-AK-1R	75	-	222	2,350
HMA 85_ER20S-AK-1R	75	-	237	2,700
HMA 95_ER20S-AK-1R	75	-	247	2,850
HMA 115_ER20S-AK-1R	75	30	267	3,200

Plug Connection (optional)



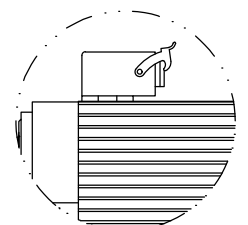


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00
HMA 55	24000	0,25	250	400		220	380	220/380	1,60	0,92
HMA 60	24000	0,27	250	400		220	380	220/380	1,90	1,10
HMA 70	24000	0,45	250	400		220	380	220/380	2,40	1,40
HMA 85	24000	0,55	250	400		220	380	220/380	3,20	1,80
HMA 95	24000	0,75	250	400		220	380	220/380	3,70	2,20
HMA 115	24000	1,10	250	400		220	380	220/380	5,10	3,00

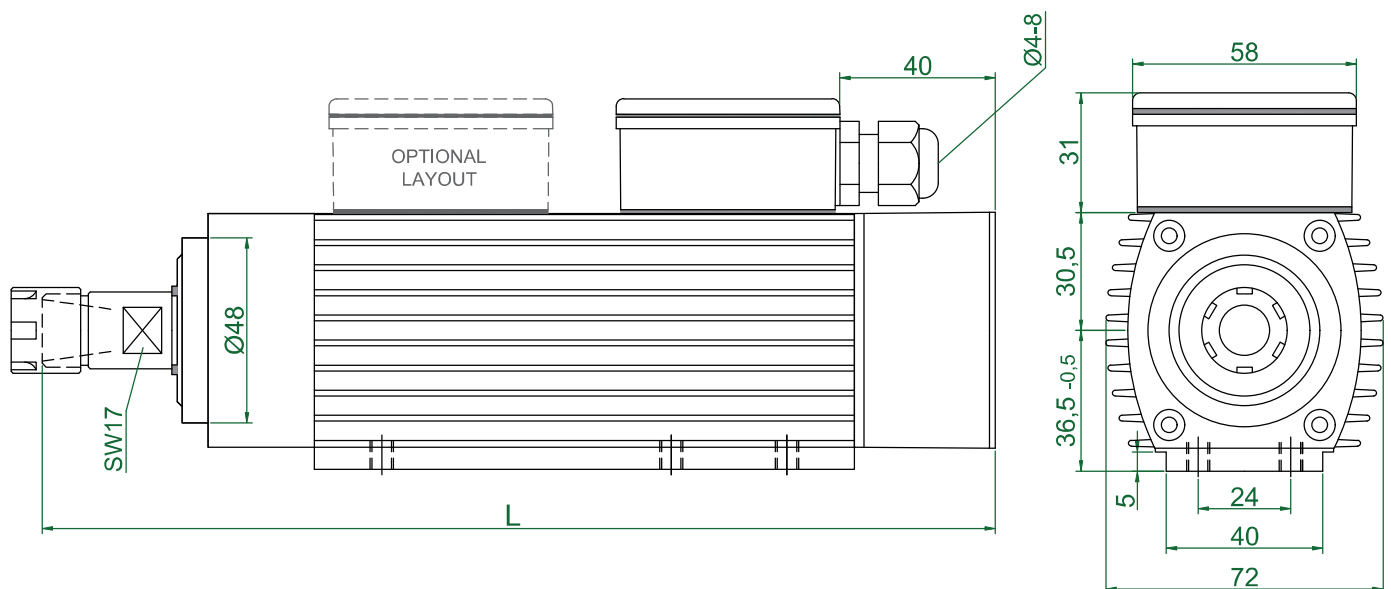
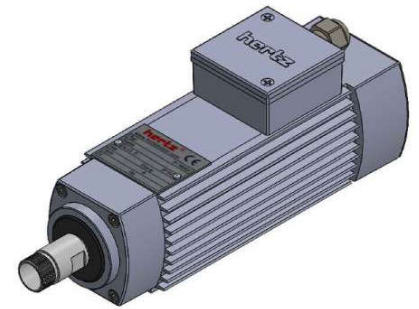
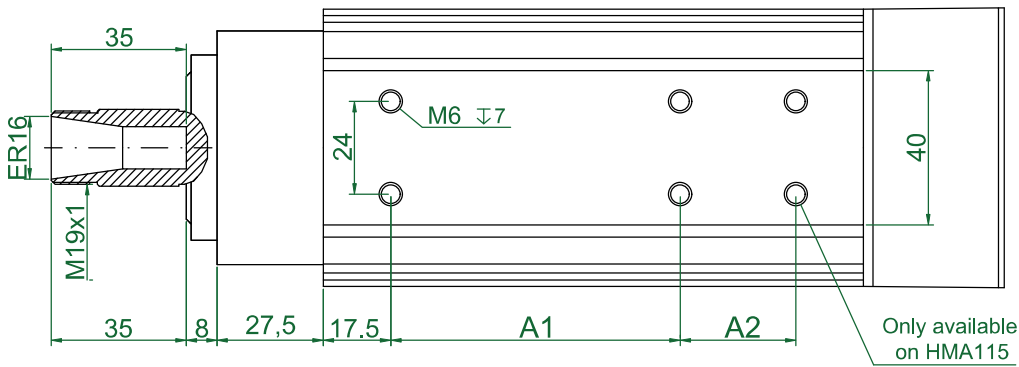


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_ER16S-AK-1R	60	-	207	2,200
HMA 60_ER16S-AK-1R	60	-	212	2,250
HMA 70_ER16S-AK-1R	75	-	222	2,350
HMA 85_ER16S-AK-1R	75	-	237	2,700
HMA 95_ER16S-AK-1R	75	-	247	2,850
HMA 115_ER16S-AK-1R	75	30	267	3,250

Plug Connection (optional)

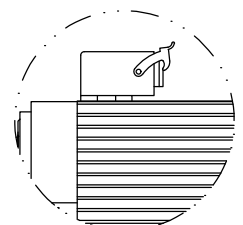


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00
HMA 55	24000	0,25	250	400		220	380	220/380	1,60	0,92
HMA 60	24000	0,27	250	400		220	380	220/380	1,90	1,10
HMA 70	24000	0,45	250	400		220	380	220/380	2,40	1,40
HMA 85	24000	0,55	250	400		220	380	220/380	3,20	1,80
HMA 95	24000	0,75	250	400		220	380	220/380	3,70	2,20
HMA 115	24000	1,10	250	400		220	380	220/380	5,10	3,00

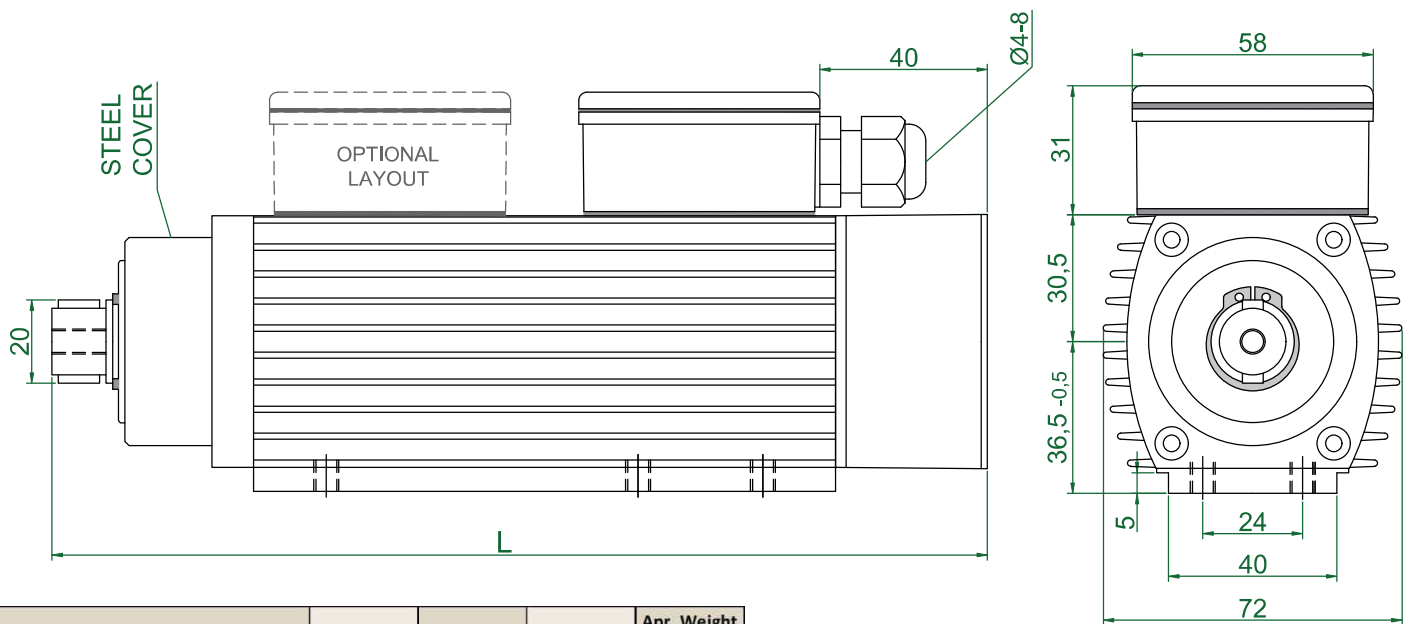
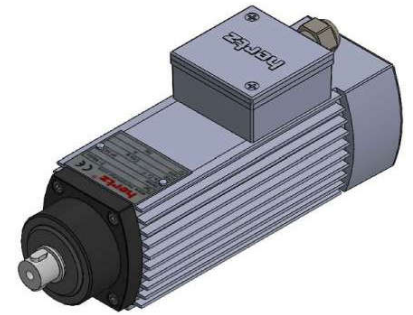
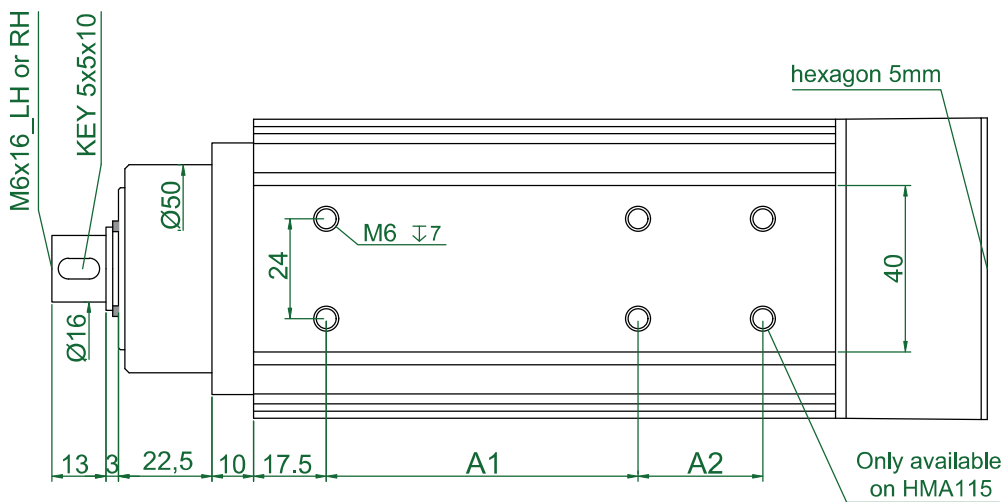


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_ER16M-AK-1R	60	-	207	2,200
HMA 60_ER16M-AK-1R	60	-	212	2,250
HMA 70_ER16M-AK-1R	75	-	222	2,350
HMA 85_ER16M-AK-1R	75	-	237	2,700
HMA 95_ER16M-AK-1R	75	-	247	2,900
HMA 115_ER16M-AK-1R	75	30	267	3,250

Plug Connection (optional)

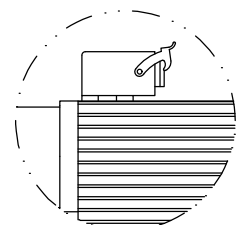


TYPE	Base Speed	Power	Frequency (Hz)			Voltage			Absorption	
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00

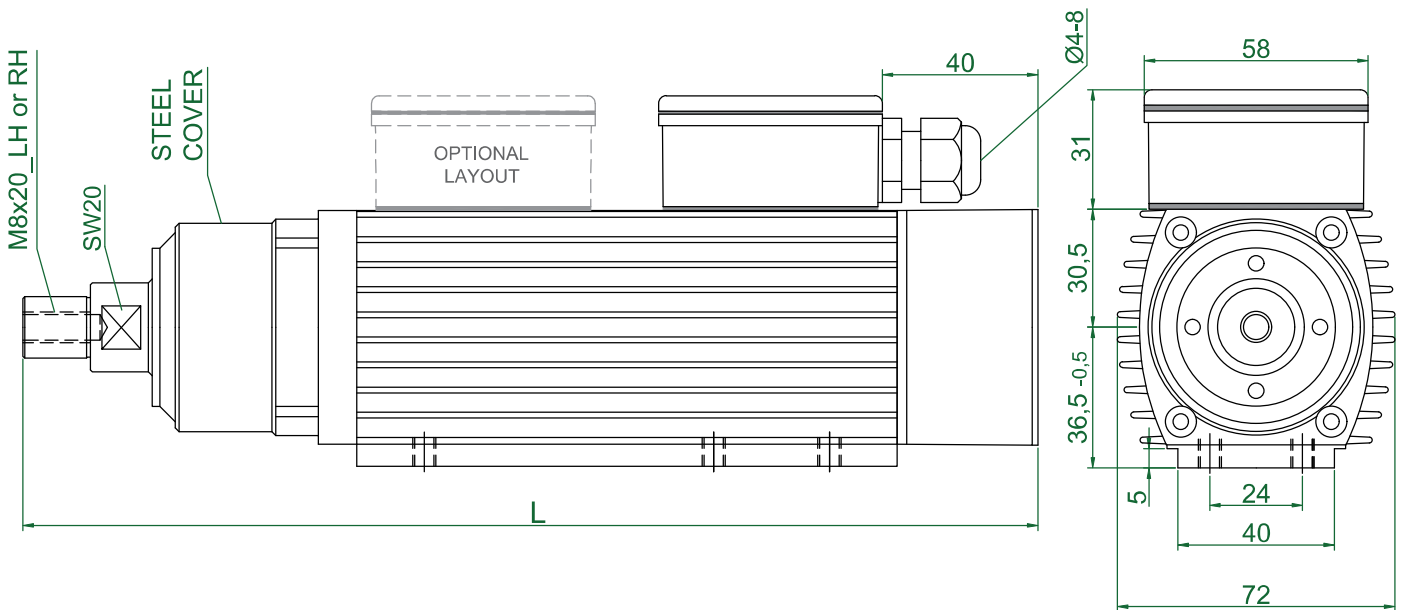
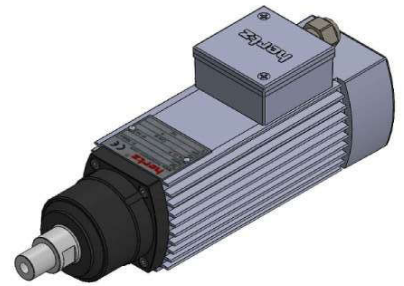
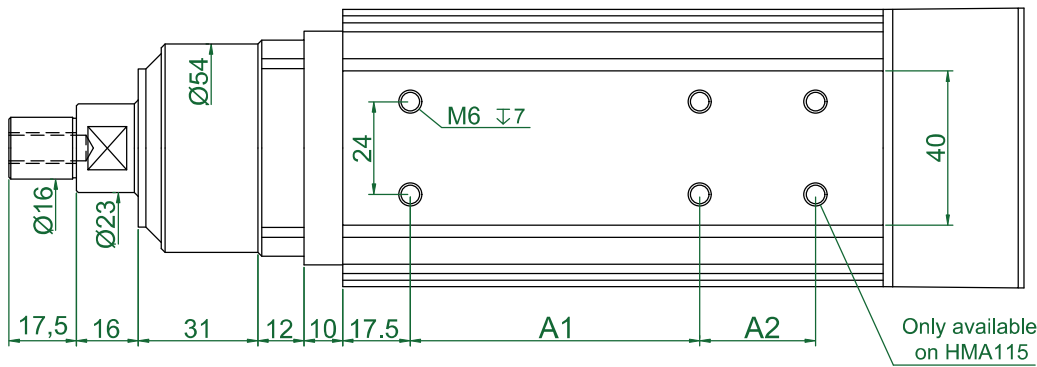


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L3.13FK-CK-1R	60	-	185	2,150
HMA 60_L3.13FK-CK-1R	60	-	190	2,200
HMA 70_L3.13FK-CK-1R	75	-	200	2,300
HMA 85_L3.13FK-CK-1R	75	-	215	2,650
HMA 95_L3.13FK-CK-1R	75	-	225	2,800
HMA 115_L3.13FK-CK-1R	75	30	245	3,200

Plug Connection (optional)

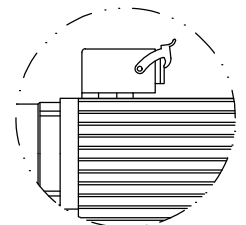


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00

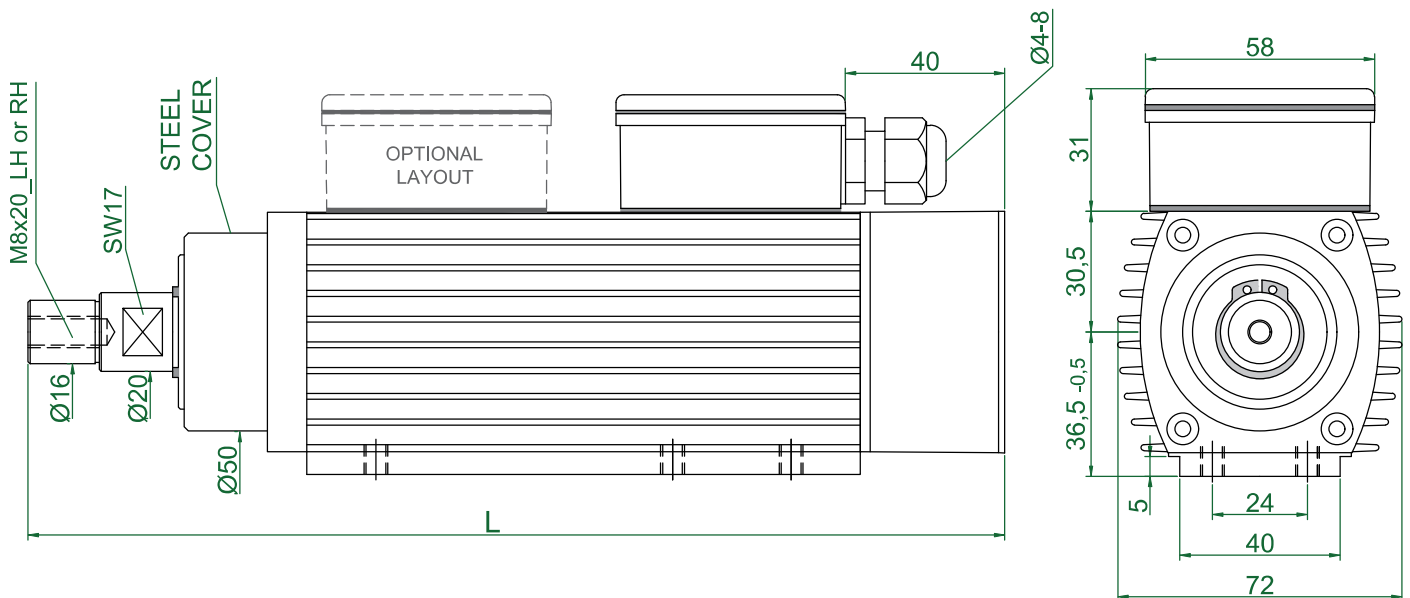
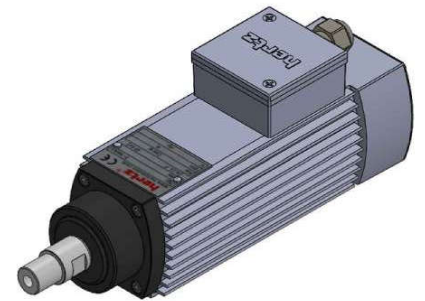
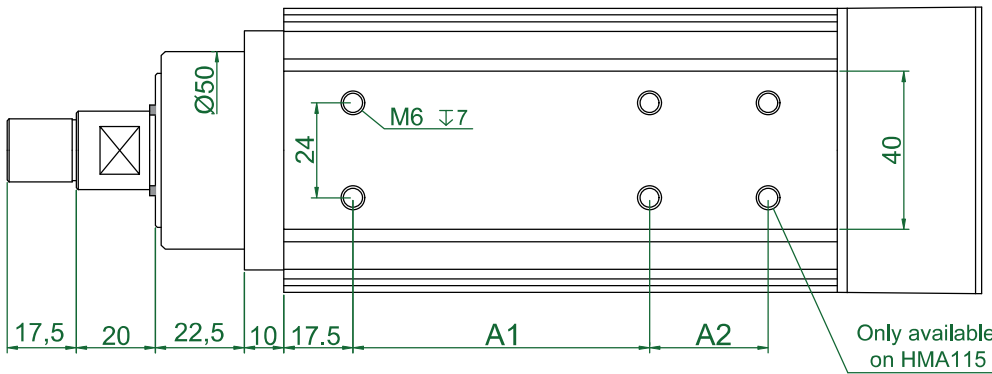


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L16.18F-CK-2R	60	-	223	2,500
HMA 60_L16.18F-CK-2R	60	-	228	2,550
HMA 70_L16.18F-CK-2R	75	-	238	2,700
HMA 85_L16.18F-CK-2R	75	-	253	3,000
HMA 95_L16.18F-CK-2R	75	-	263	3,200
HMA 115_L16.18F-CK-2R	75	30	283	3,550

Plug Connection (optional)

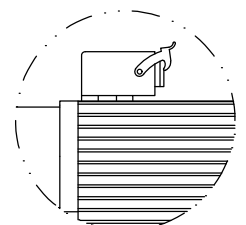


TYPE	Base Speed	Power	Frequency (Hz)			Voltage			Absorption	
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00

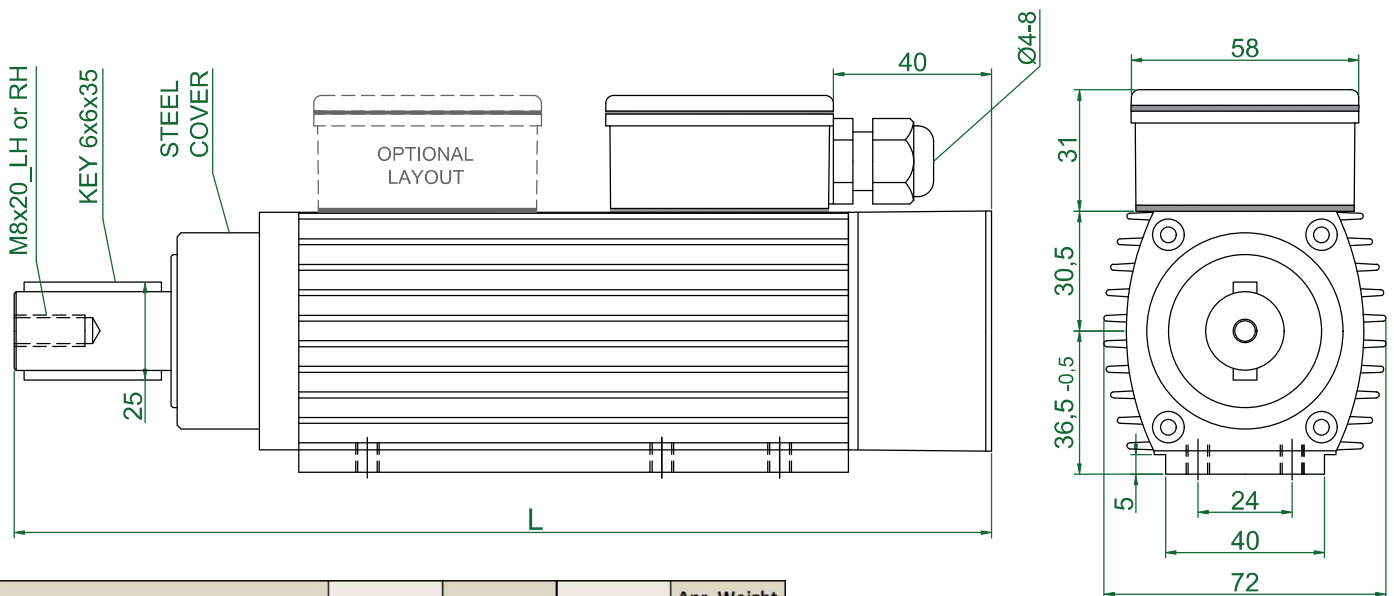
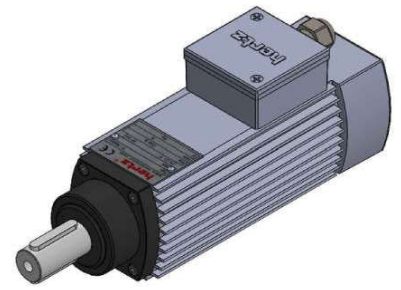
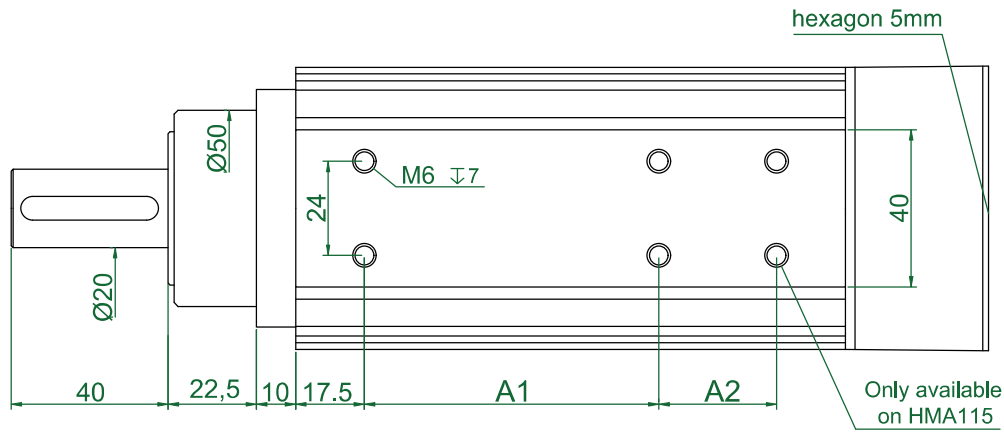


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L20.18F-CK-1R	60	-	207	2,200
HMA 60_L20.18F-CK-1R	60	-	212	2,250
HMA 70_L20.18F-CK-1R	75	-	222	2,350
HMA 85_L20.18F-CK-1R	75	-	237	2,700
HMA 95_L20.18F-CK-1R	75	-	247	2,900
HMA 115_L20.18F-CK-1R	75	30	267	3,250

Plug Connection (optional)

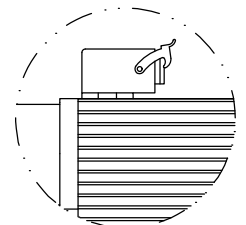


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00

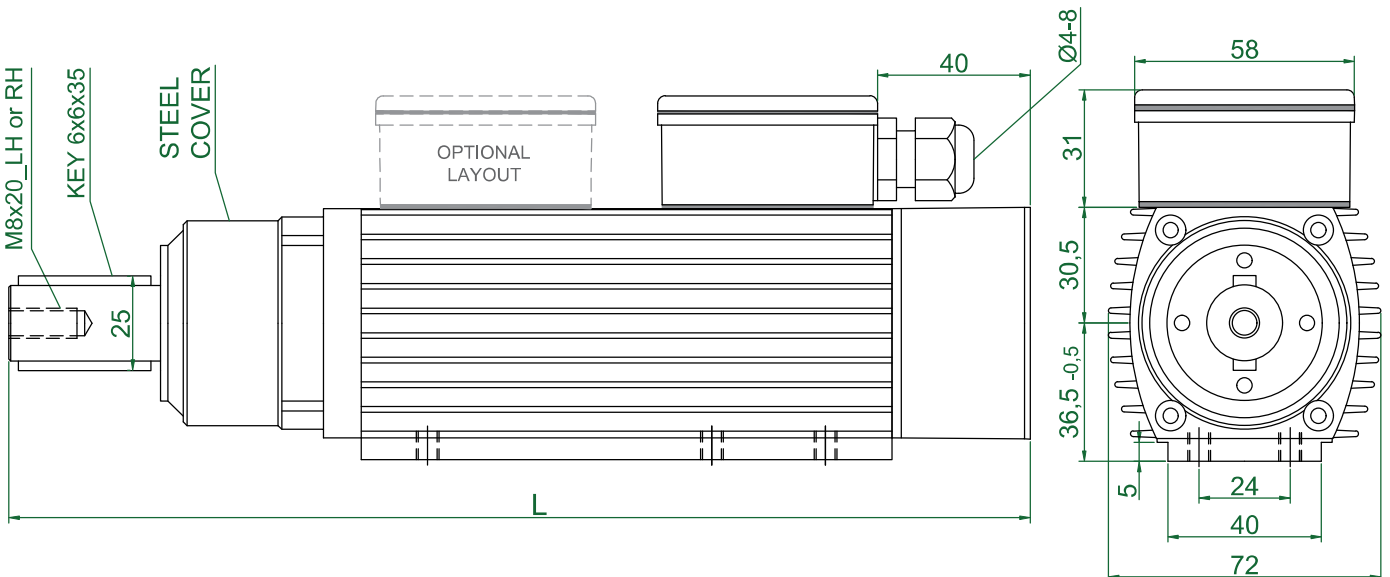
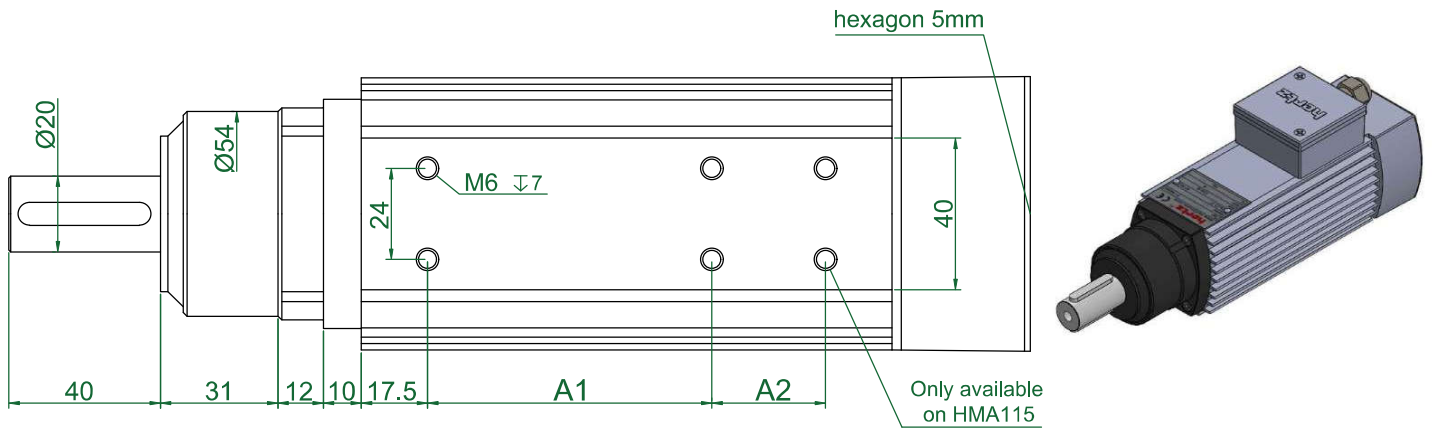


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L40FK-CK-1R	60	-	209	2,200
HMA 60_L40FK-CK-1R	60	-	214	2,250
HMA 70_L40FK-CK-1R	75	-	224	2,400
HMA 85_L40FK-CK-1R	75	-	239	2,700
HMA 95_L40FK-CK-1R	75	-	249	2,900
HMA 115_L40FK-CK-1R	75	30	269	3,250

Plug Connection (optional)

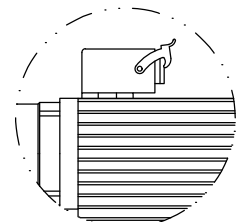


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00

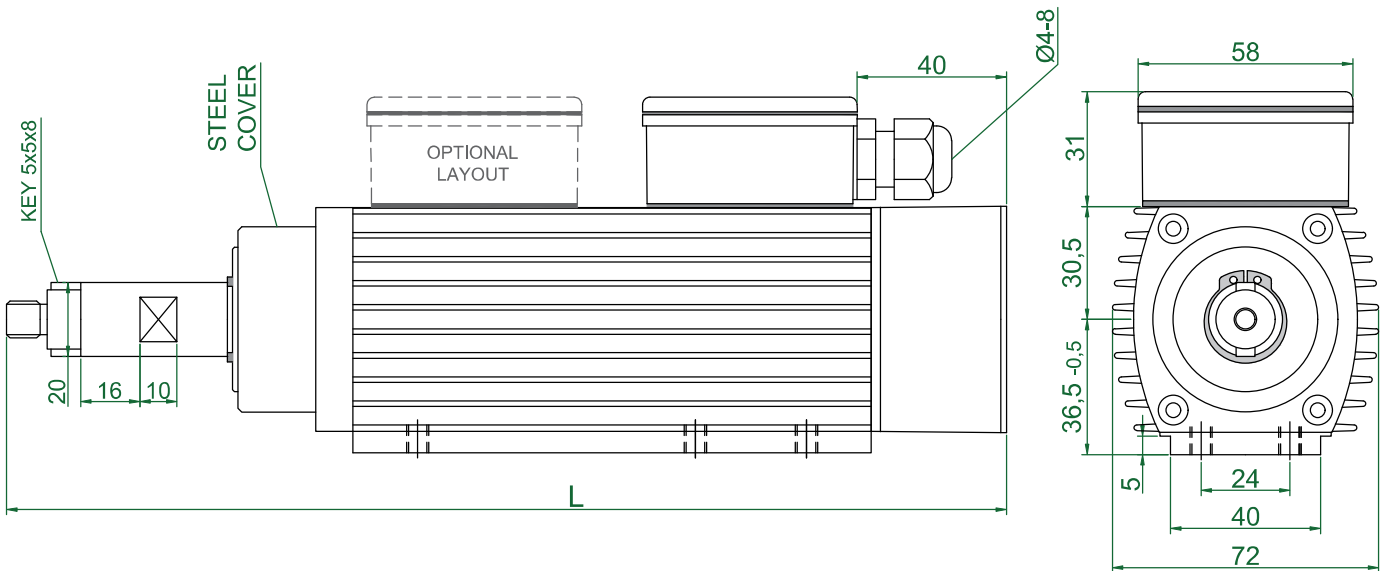
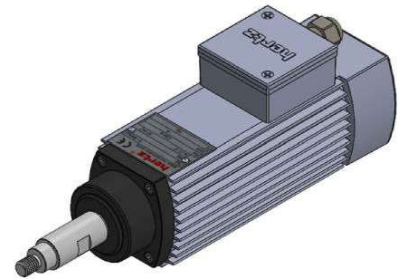
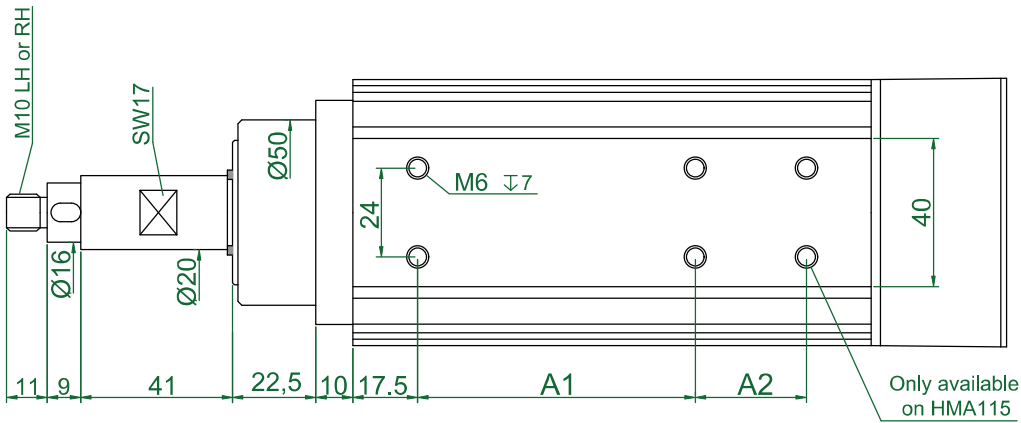


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L40FK-CK-2R	60	-	230	2,550
HMA 60_L40FK-CK-2R	60	-	235	2,600
HMA 70_L40FK-CK-2R	75	-	245	2,700
HMA 85_L40FK-CK-2R	75	-	260	3,050
HMA 95_L40FK-CK-2R	75	-	270	3,250
HMA 115_L40FK-CK-2R	75	30	290	3,600

Plug Connection (optional)

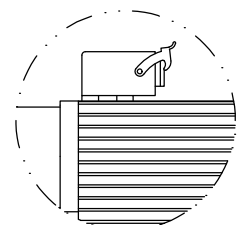


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00



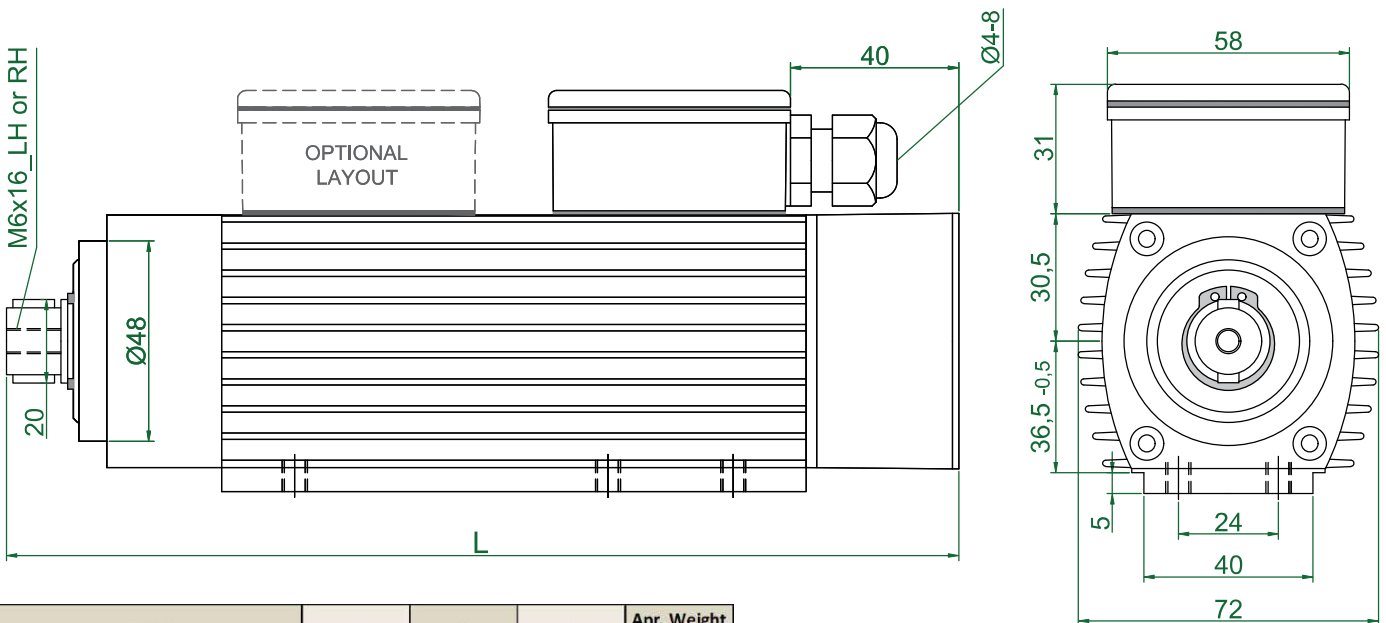
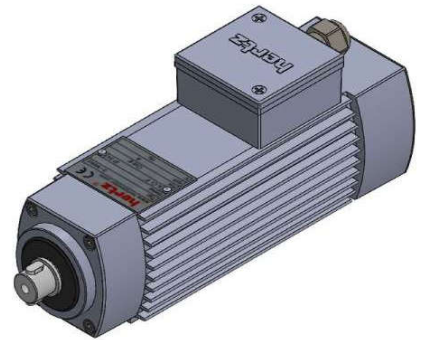
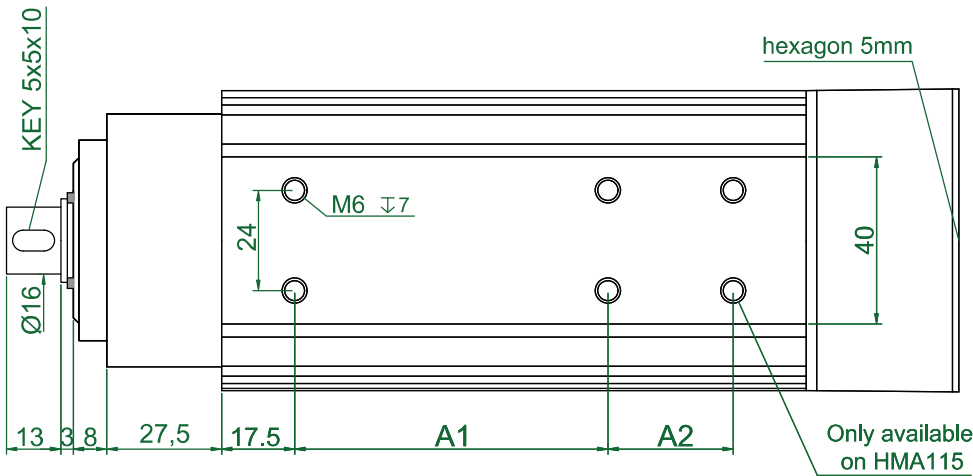
TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L41.9MK-CK-1R	60	-	230	2,250
HMA 60_L41.9MK-CK-1R	60	-	235	2,300
HMA 70_L41.9MK-CK-1R	75	-	245	2,400
HMA 85_L41.9MK-CK-1R	75	-	260	2,750
HMA 95_L41.9MK-CK-1R	75	-	270	2,900
HMA 115_L41.9MK-CK-1R	75	30	290	3,300

Plug Connection (optional)



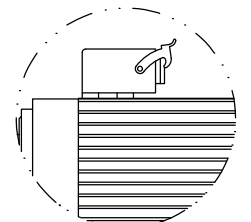


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00

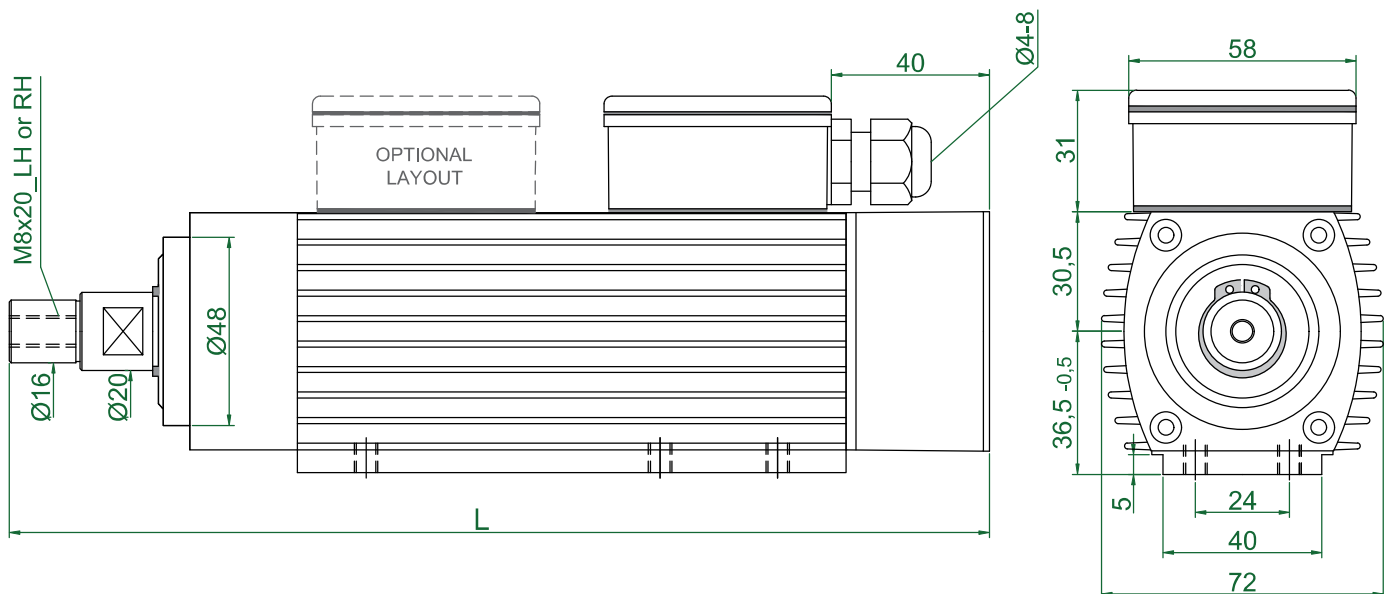
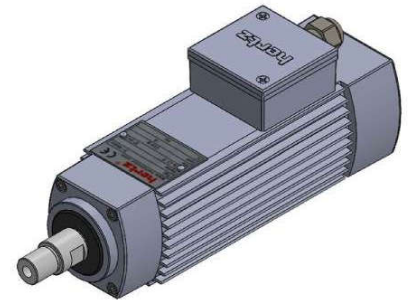
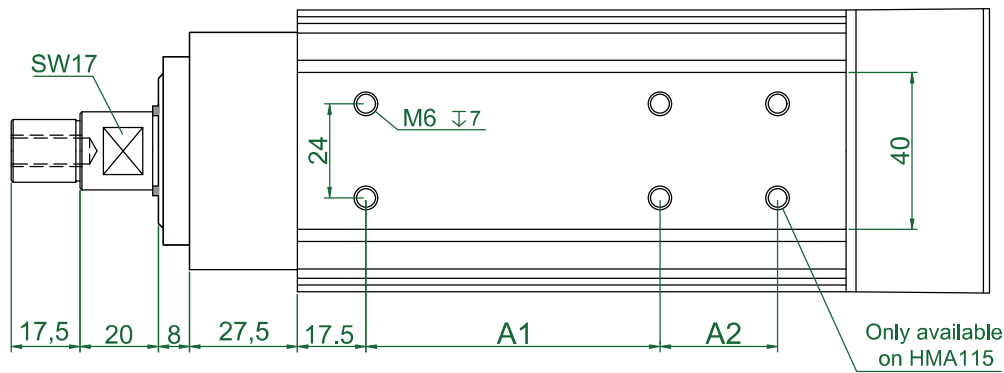


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L3.13FK-AK-1R	60	-	188	2,200
HMA 60_L3.13FK-AK-1R	60	-	193	2,250
HMA 70_L3.13FK-AK-1R	75	-	203	2,350
HMA 85_L3.13FK-AK-1R	75	-	218	2,700
HMA 95_L3.13FK-AK-1R	75	-	228	2,900
HMA 115_L3.13FK-AK-1R	75	30	248	3,250

Plug Connection (optional)

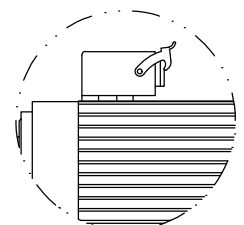


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00



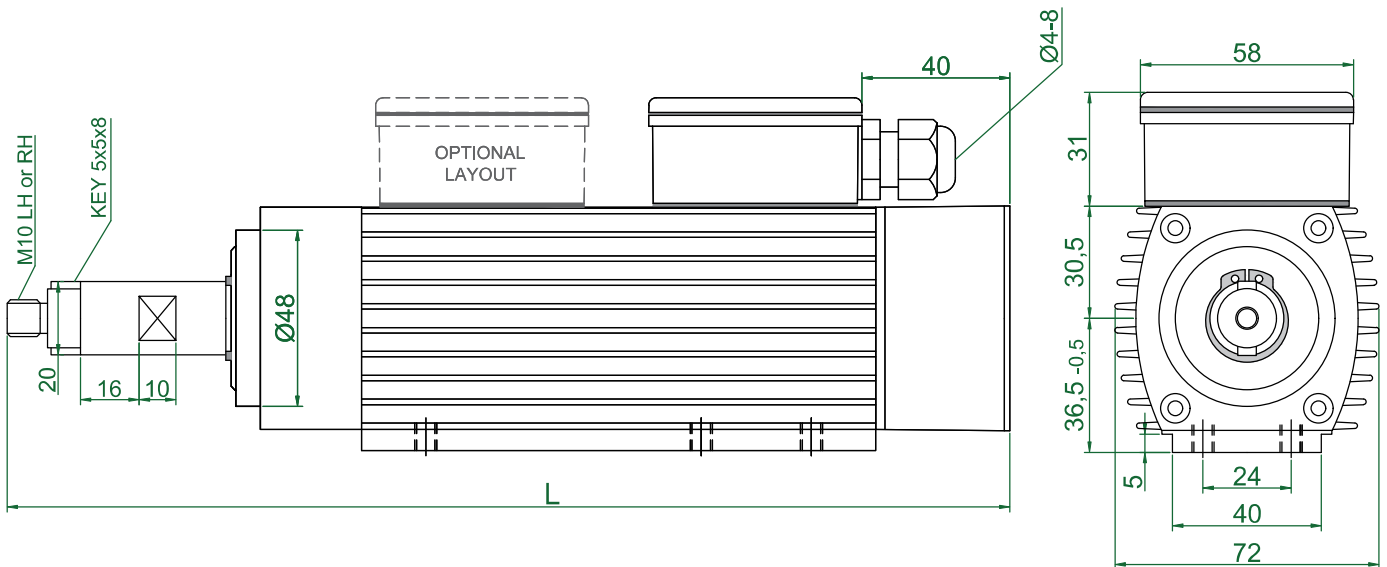
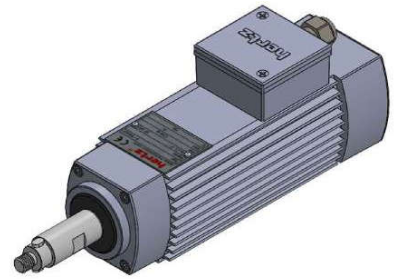
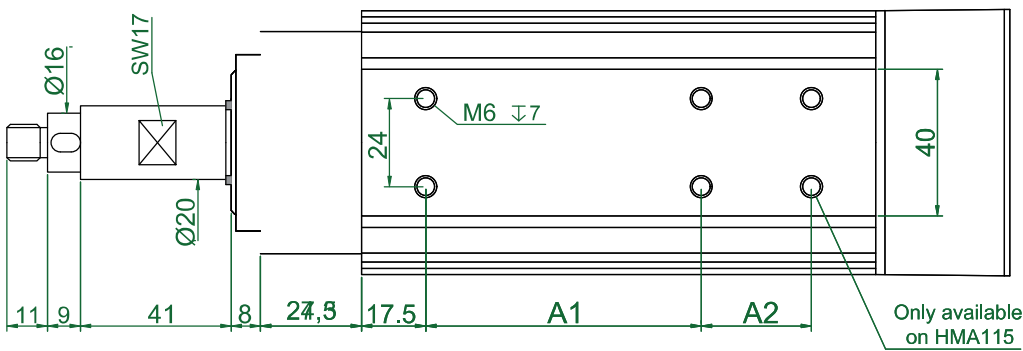
TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L20.18F-AK-1R	60	-	210	2,150
HMA 60_L20.18F-AK-1R	60	-	215	2,200
HMA 70_L20.18F-AK-1R	75	-	225	2,300
HMA 85_L20.18F-AK-1R	75	-	240	2,650
HMA 95_L20.18F-AK-1R	75	-	250	2,800
HMA 115_L20.18F-AK-1R	75	30	270	3,200

Plug Connection (optional)



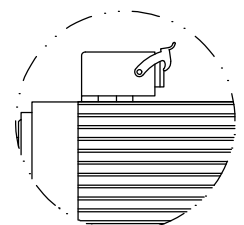


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20
HMA 55	18000	0,25	200	300	360	220	380	220/380	1,60	0,92
HMA 60	18000	0,27	200	300	360	220	380	220/380	1,90	1,10
HMA 70	18000	0,45	200	300	360	220	380	220/380	2,40	1,40
HMA 85	18000	0,55	200	300	360	220	380	220/380	3,20	1,80
HMA 95	18000	0,75	200	300	360	220	380	220/380	3,70	2,20
HMA 115	18000	1,10	200	300	360	220	380	220/380	5,10	3,00

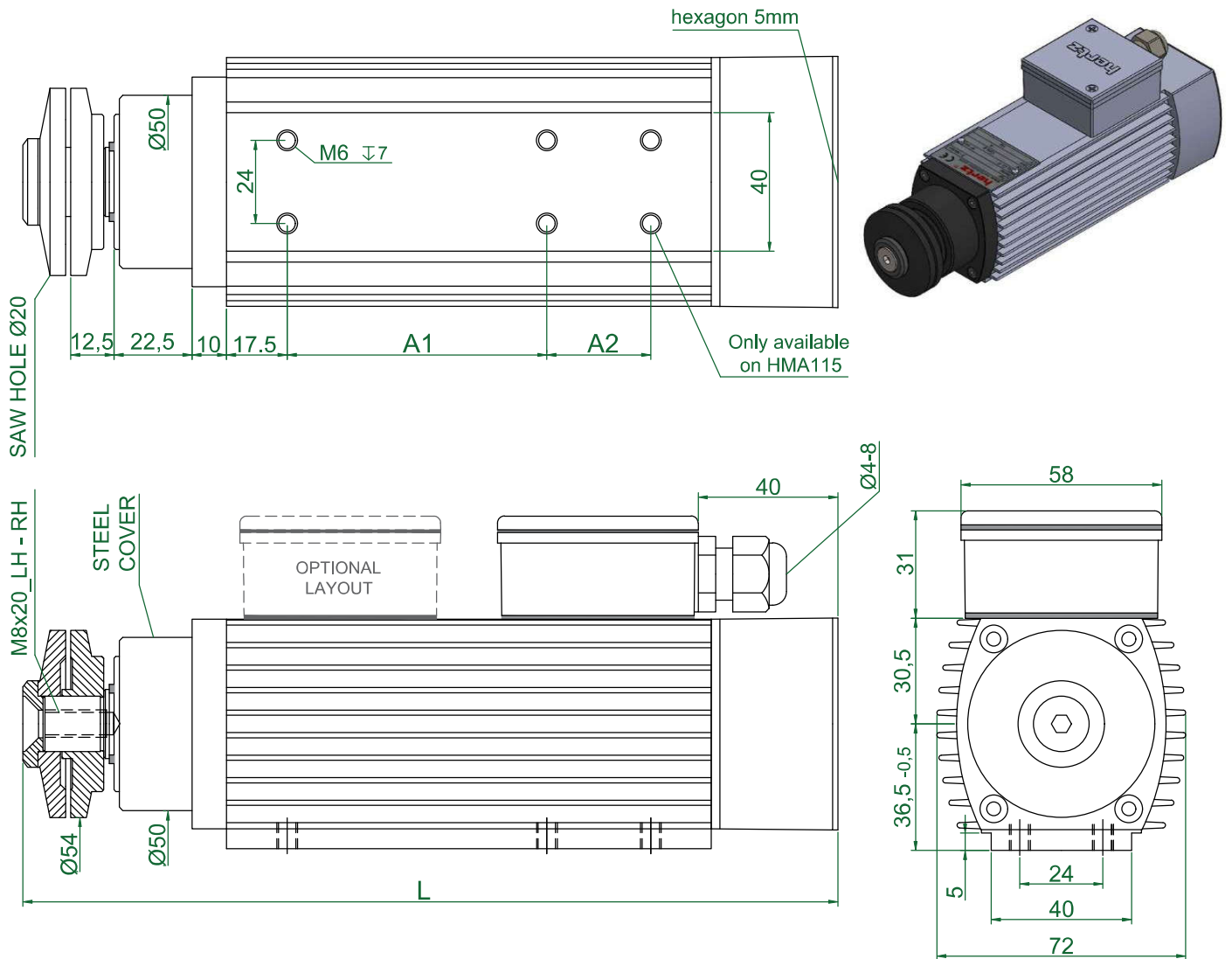


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_L41.9MK-AK-1R	60	-	233	2,200
HMA 60_L41.9MK-AK-1R	60	-	238	2,250
HMA 70_L41.9MK-AK-1R	75	-	248	2,350
HMA 85_L41.9MK-AK-1R	75	-	263	2,700
HMA 95_L41.9MK-AK-1R	75	-	273	2,900
HMA 115_L41.9MK-AK-1R	75	30	293	3,250

Plug Connection (optional)

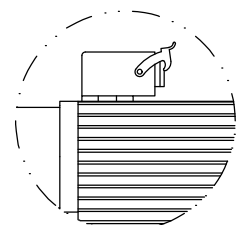


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm	kW	Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20

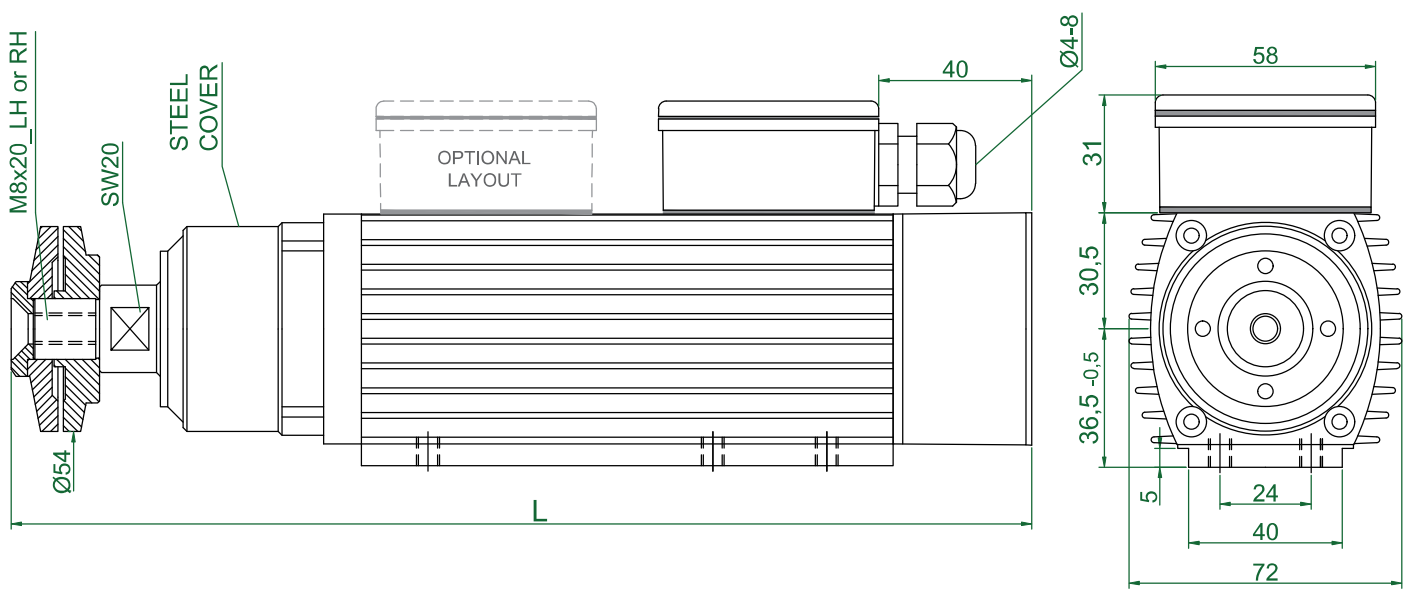
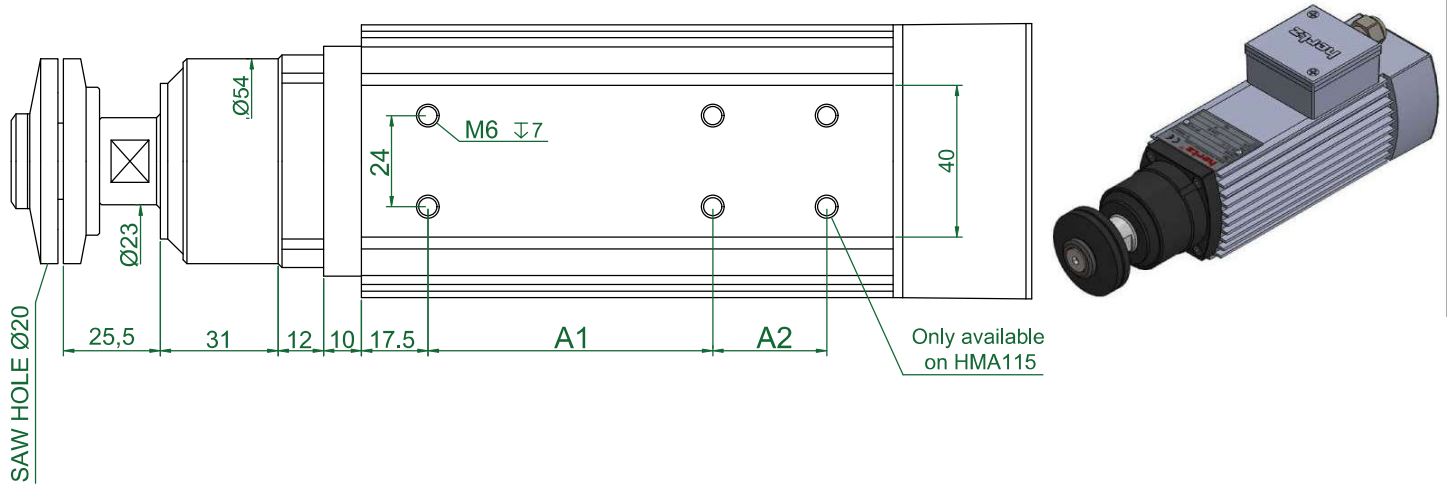


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_FL20.54.13F-CK-1R	60	-	196	2,400
HMA 60_FL20.54.13F-CK-1R	60	-	201	2,450
HMA 70_FL20.54.13F-CK-1R	75	-	211	2,550
HMA 85_FL20.54.13F-CK-1R	75	-	226	2,900
HMA 95_FL20.54.13F-CK-1R	75	-	236	3,050
HMA 115_FL20.54.13F-CK-1R	75	30	256	3,400

Plug Connection (optional)

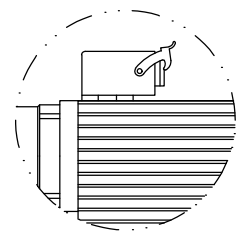


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm	kW	Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20

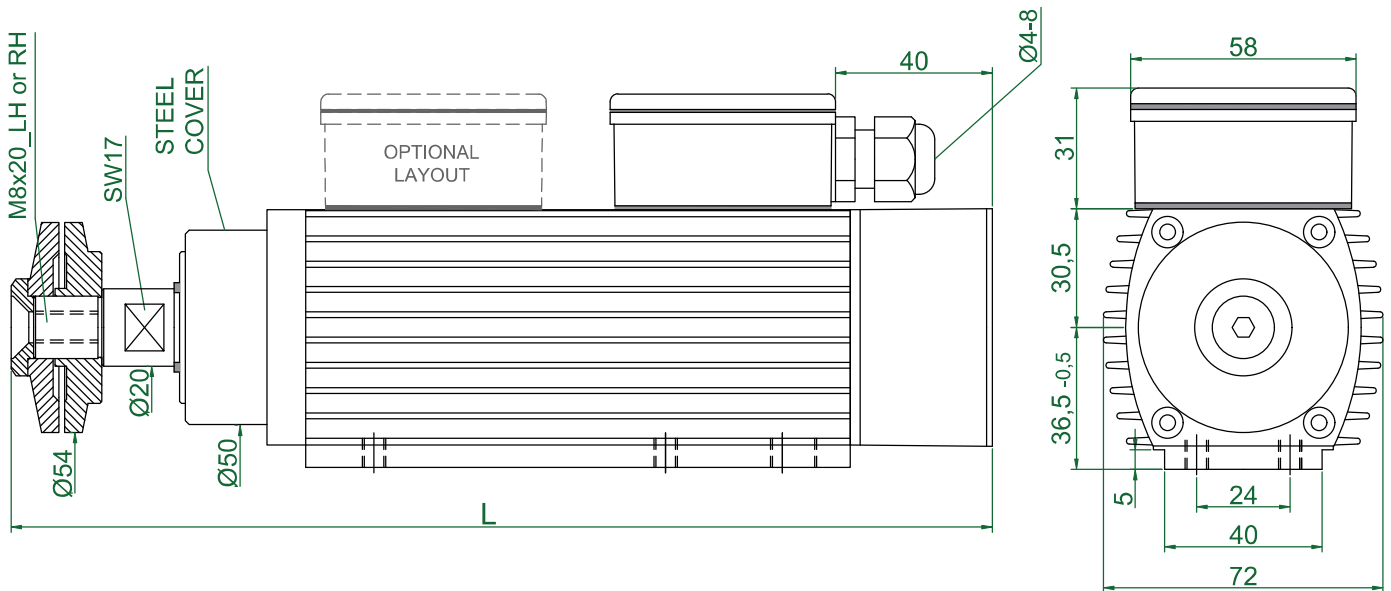
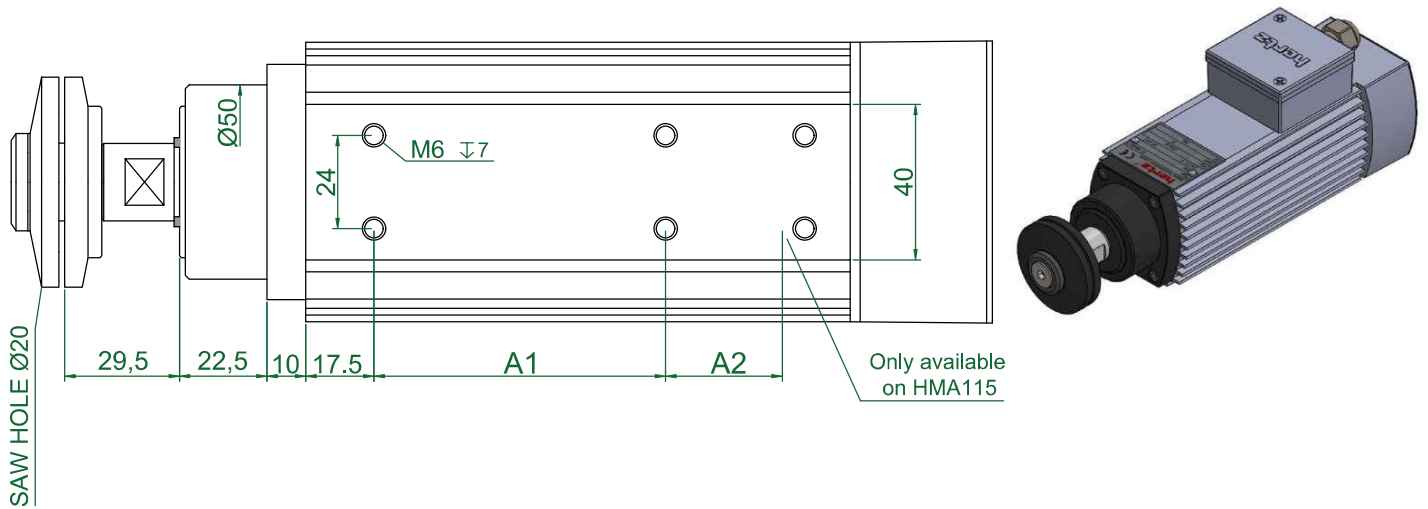


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_FL20.54.26F-CK-2R	60	-	229	2,750
HMA 60_FL20.54.26F-CK-2R	60	-	234	2,800
HMA 70_FL20.54.26F-CK-2R	75	-	244	2,900
HMA 85_FL20.54.26F-CK-2R	75	-	259	3,250
HMA 95_FL20.54.26F-CK-2R	75	-	269	3,400
HMA 115_FL20.54.26F-CK-2R	75	30	289	3,800

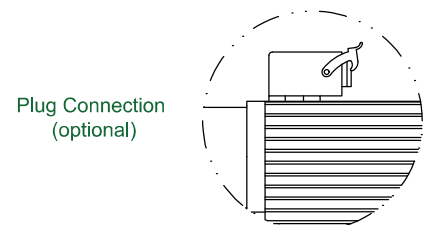
Plug Connection (optional)



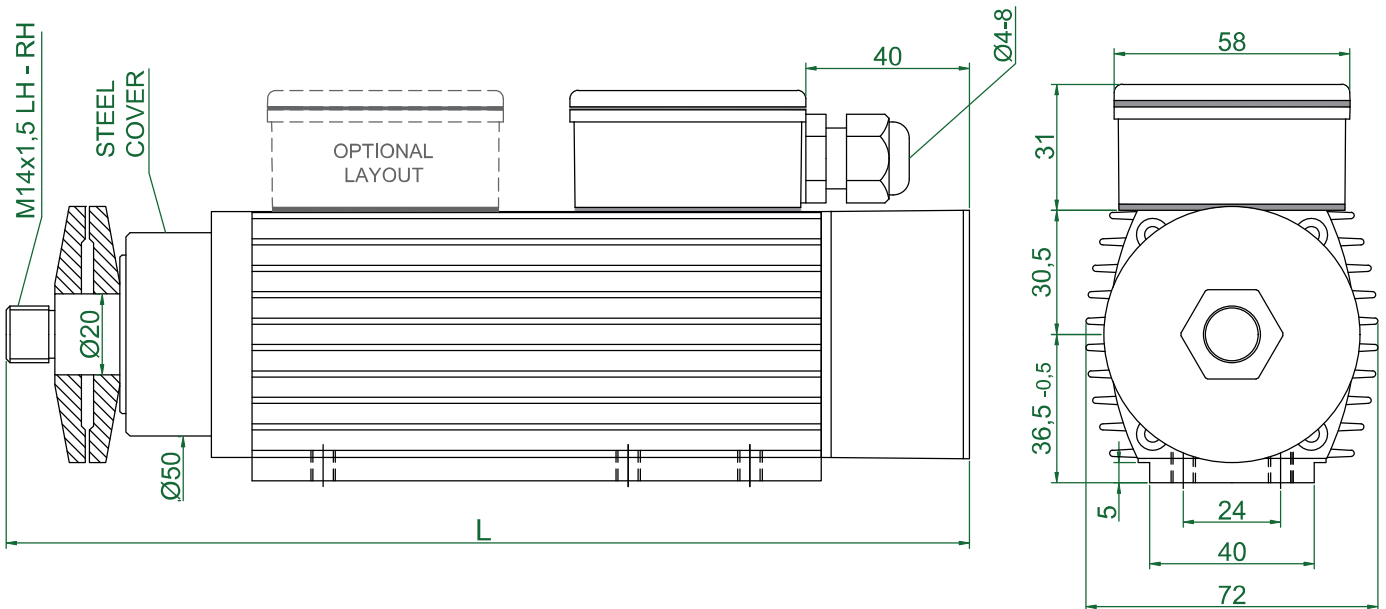
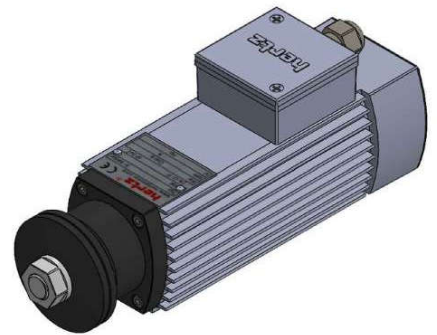
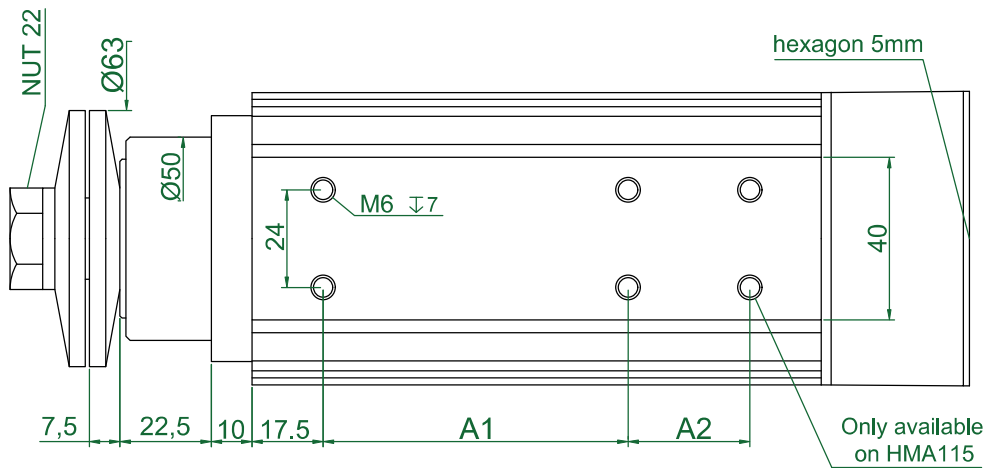
TYPE	Base Speed	Power kW	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20



TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_FL20.54.30F-CK-1R	60	-	213	2,450
HMA 60_FL20.54.30F-CK-1R	60	-	218	2,500
HMA 70_FL20.54.30F-CK-1R	75	-	228	2,600
HMA 85_FL20.54.30F-CK-1R	75	-	243	2,950
HMA 95_FL20.54.30F-CK-1R	75	-	253	3,100
HMA 115_FL20.54.30F-CK-1R	75	30	273	3,450

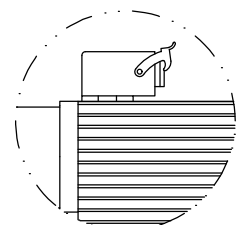


TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm		Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20



TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_FL20.63.8M-CK-1R	60	-	197	2,400
HMA 60_FL20.63.8M-CK-1R	60	-	202	2,450
HMA 70_FL20.63.8M-CK-1R	75	-	212	2,550
HMA 85_FL20.63.8M-CK-1R	75	-	227	2,900
HMA 95_FL20.63.8M-CK-1R	75	-	237	3,100
HMA 115_FL20.63.8M-CK-1R	75	30	257	3,450

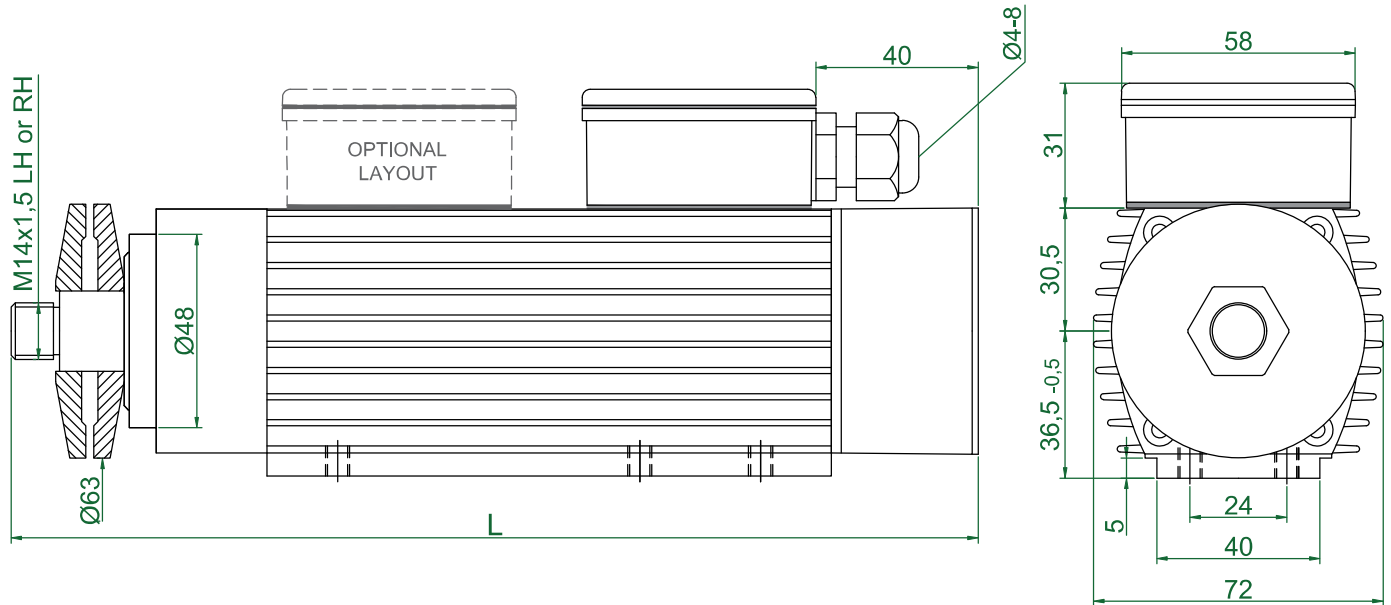
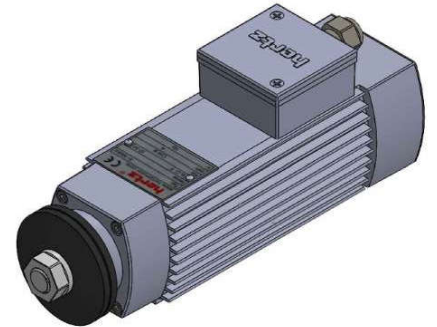
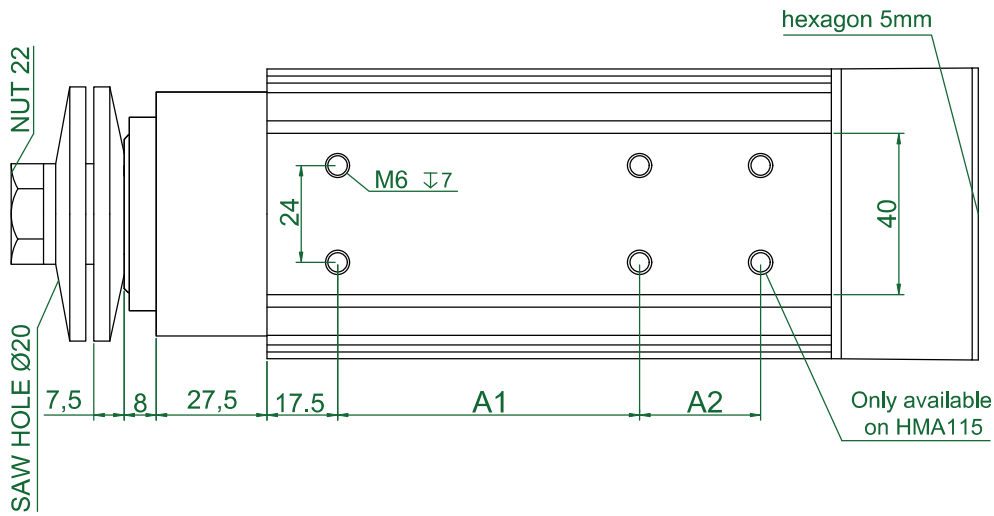
Plug Connection (optional)





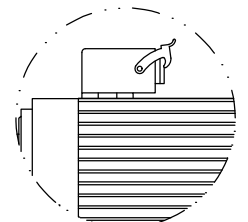


TYPE	Base Speed	Power	Frequency (Hz)			Voltage			Absorption	
	rpm	kW	Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20

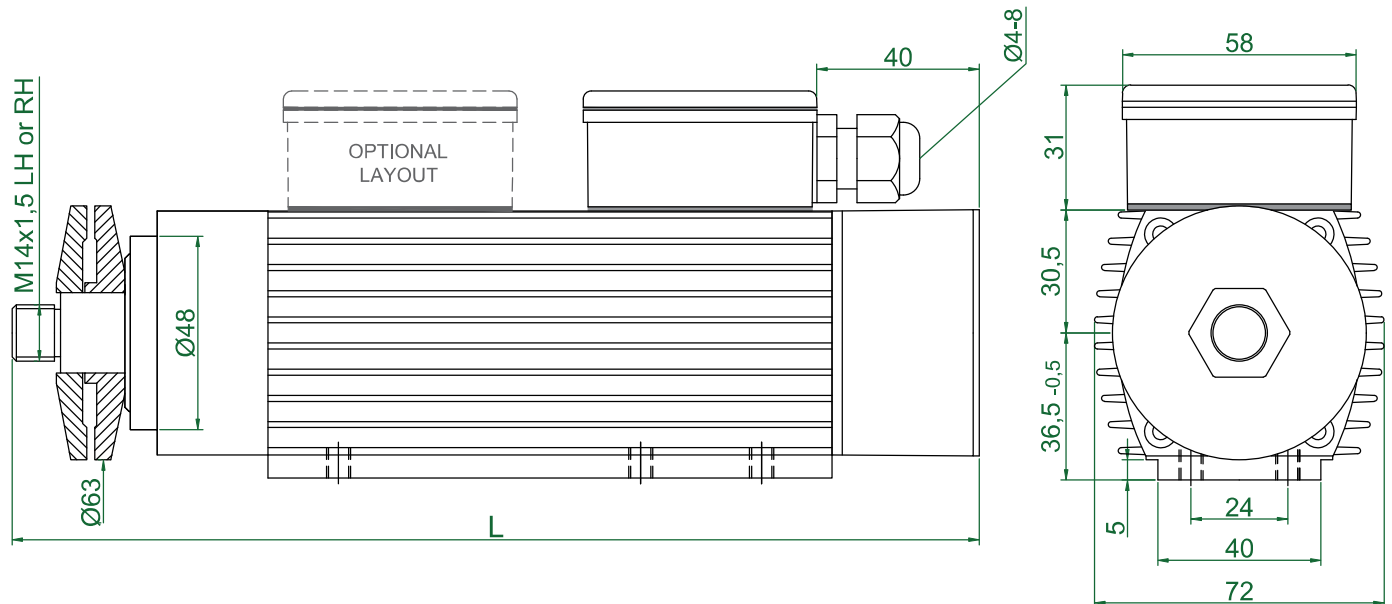
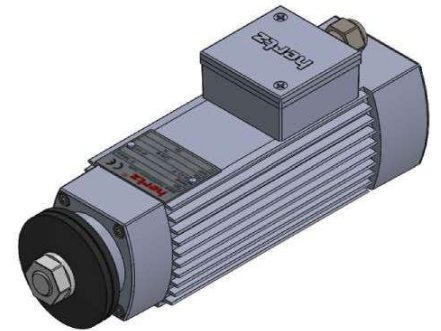
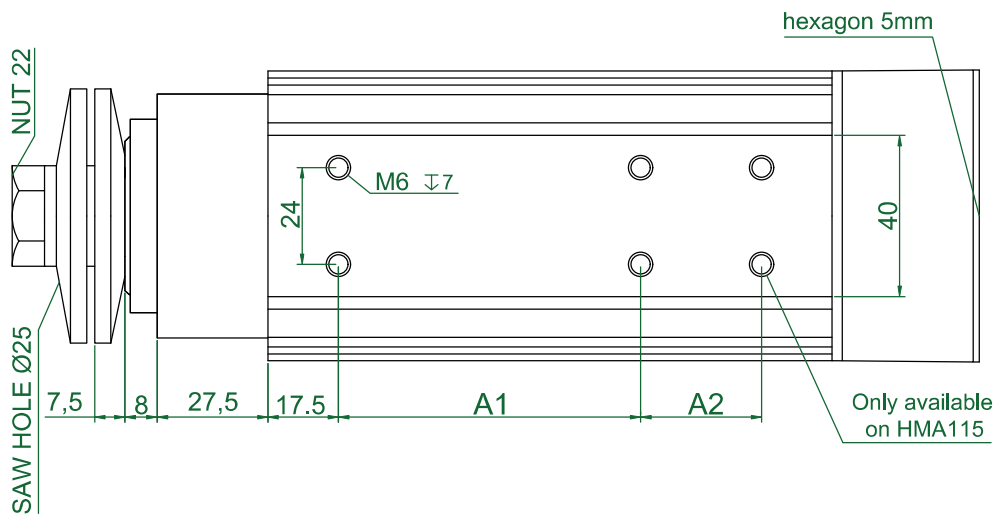


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_FL20.63.8M-AK-1R	60	-	200	2,400
HMA 60_FL20.63.8M-AK-1R	60	-	205	2,450
HMA 70_FL20.63.8M-AK-1R	75	-	215	2,550
HMA 85_FL20.63.8M-AK-1R	75	-	230	2,900
HMA 95_FL20.63.8M-AK-1R	75	-	240	3,050
HMA 115_FL20.63.8M-AK-1R	75	30	260	3,400

Plug Connection (optional)

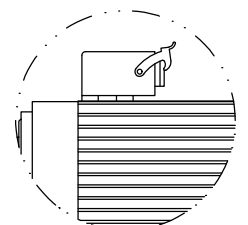


TYPE	Base Speed	Power	Frequency (Hz)			Voltage			Absorption	
	rpm	kW	Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20

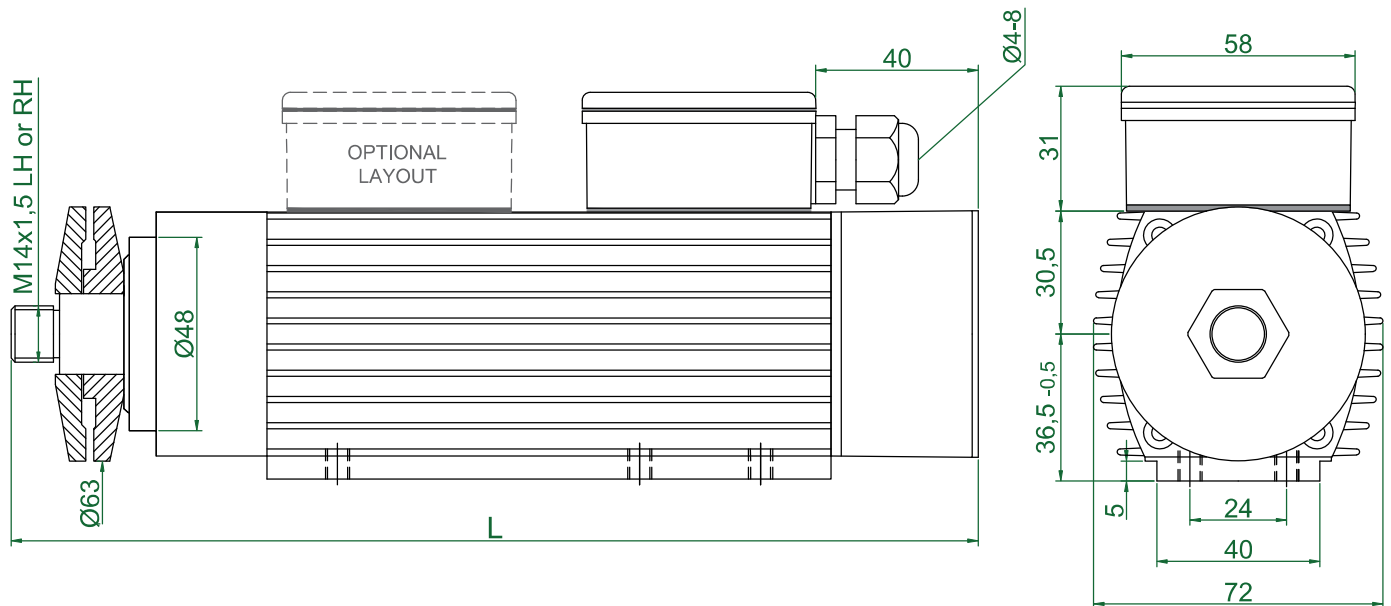
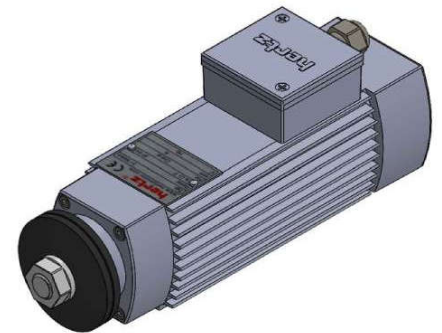
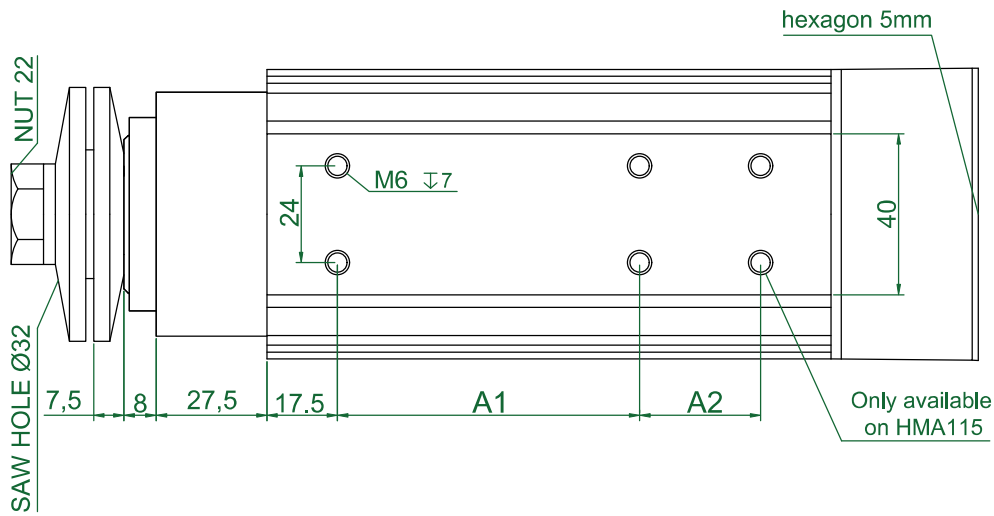


TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_FL25.63.8M-AK-1R	60	-	200	2,400
HMA 60_FL25.63.8M-AK-1R	60	-	205	2,450
HMA 70_FL25.63.8M-AK-1R	75	-	215	2,550
HMA 85_FL25.63.8M-AK-1R	75	-	230	2,900
HMA 95_FL25.63.8M-AK-1R	75	-	240	3,050
HMA 115_FL25.63.8M-AK-1R	75	30	260	3,400

Plug Connection (optional)



TYPE	Base Speed	Power	Frequency (Hz)			Voltage		Absorption		
	rpm	kW	Min	Base	Max	Base	Optional	A (220v)	A (380v)	
HMA 85	6000	0,22	70	100	150	220	380	220/380	1,50	0,87
HMA 95	6000	0,27	70	100	150	220	380	220/380	1,90	1,10
HMA 115	6000	0,37	70	100	150	220	380	220/380	2,20	1,20
HMA 55	12000	0,20	150	200	300	220	380	220/380	1,44	0,84
HMA 60	12000	0,22	150	200	300	220	380	220/380	1,50	0,87
HMA 70	12000	0,35	150	200	300	220	380	220/380	2,00	1,16
HMA 85	12000	0,37	150	200	300	220	380	220/380	2,20	1,20
HMA 95	12000	0,55	150	200	300	220	380	220/380	2,60	1,50
HMA 115	12000	0,75	150	200	300	220	380	220/380	3,80	2,20



TYPE	A1	A2	L	Apr. Weight Kg
HMA 55_FL32.63.8M-AK-1R	60	-	200	2,850
HMA 60_FL32.63.8M-AK-1R	60	-	205	2,900
HMA 70_FL32.63.8M-AK-1R	75	-	215	3,000
HMA 85_FL32.63.8M-AK-1R	75	-	230	3,350
HMA 95_FL32.63.8M-AK-1R	75	-	240	3,500
HMA 115_FL32.63.8M-AK-1R	75	30	260	3,850

Plug Connection (optional)

