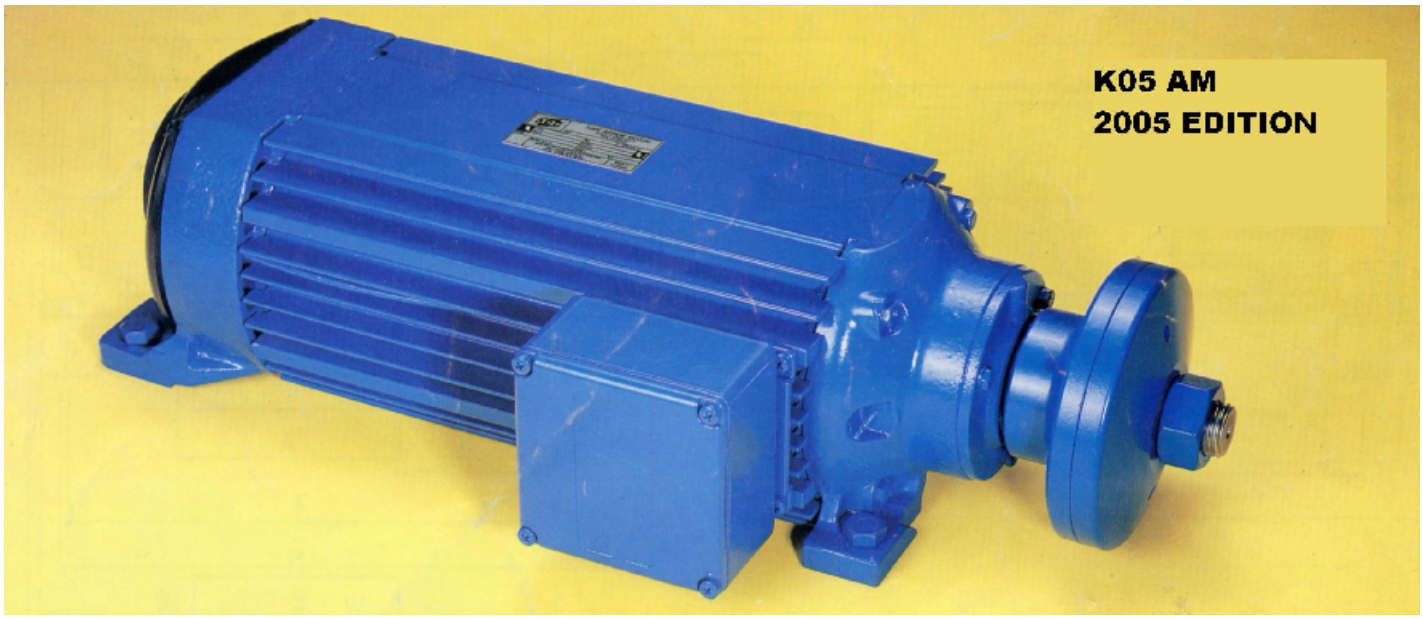
ACC-HIMMEL Saw Arbor Motors



SAW ARBOR MOTORS:

ACC-HIMMEL Saw Arbor Motors are available from 1 HP - 60 HP in output speeds of 3600 RPM and 1800 RPM, with voltages up to 575 Volts. Standard design motors up to 22 HP are suitable for 3600/7200 RPM. They feature a low-profile, compact design for maximum cutting depths and are totally enclosed fan cooled. ACC-Himmel Saw Arbor Motors are CSA approved, industrial type squirrel cage electric motors designed for precision, heavy-duty applications and are supplied with saw collars to directly mount saw blades and tools.

Technical Data 3600 RPM

Continuous Rating HP	Rating 60% Duty type HP	Type	Print-No.	Collar Dia. XZ In.	Shaft dia. U in.	Amperes (60Hz) 230V	460V	575V	Bearings D.E.	O.D.E.	Breakdown Torque %	Netweight Approx. lbs.
1	1.5	K62 S/2	I.01	3.543	1.000	3.2	1.6	1.3	6205-2RS	6204-2RS	400	27
2	3	K62 M/2	I.02	3.543	1.000	6.2	3.1	2.5	6205-2RS	6204-2RS	320	31
3	4	K62 L/2	I.03	3.543	1.000	9.4	4.7	3.76	6205-2RS	6204-2RS	330	38
4	5.3	K62 XL/2	I.04	3.543	1.000	10.8	5.4	4.3	6205-2RS	6204-2RS	340	55
5	6	K75 SB/2	L.09	5.512	1.125	15.2	7.6	5.3	6208-2Z/C3	6207-2Z/C3	320	75
7.5	9	K75 M/2	L.10	5.512	1.125	19.4	9.7	7.8	6208-2Z/C3	6207-2Z/C3	370	93
10	12	K75 MB/2	L.11	5.512	1.125	25.8	12.9	8.5	6208-2Z/C3	6207-2Z/C3	440	106
12	15	KG75 L/2	O.19	5.512	1.500	26.4	13.2	10.5	2x6308-Z/C3	6207-2Z/C3	420	128
15	18	KG75 LP/2	O.21	5.512	1.500	37.0	18.5	14.8	2x6308-Z/C3	6207-2Z/C3	500	154
22	24	KG75 XL/2	O.22	5.512	1.500	48.8	24.4	19.5	2x6308-Z/C3	6207-2Z/C3	520	194
20	24	K112 S/2	K.01	7.874	2.000	48.0	24.0	19.2	3212-2Z/C3	6308-2Z/C3	410	221
30	35	K112 SB/2	K.02	7.874	2.000	71.0	35.5	28.4	3212-2Z/C3	6308-2Z/C3	470	273
36	41.5	K112 M/2	K.03	7.874	2.000	84.8	42.4	33.9	3212-2Z/C3	6308-2Z/C3	460	309
48	58	K112 L/2	K.04	7.874	2.000	113.6	56.8	45.5	3212-2Z/C3	6308-2Z/C3	540	349
60	72	K112 XL/2	K.05	7.874	2.000	141.4	70.7	56.6	3212-2Z/C3	6308-2Z/C3	530	434

ACC-HIMMEL

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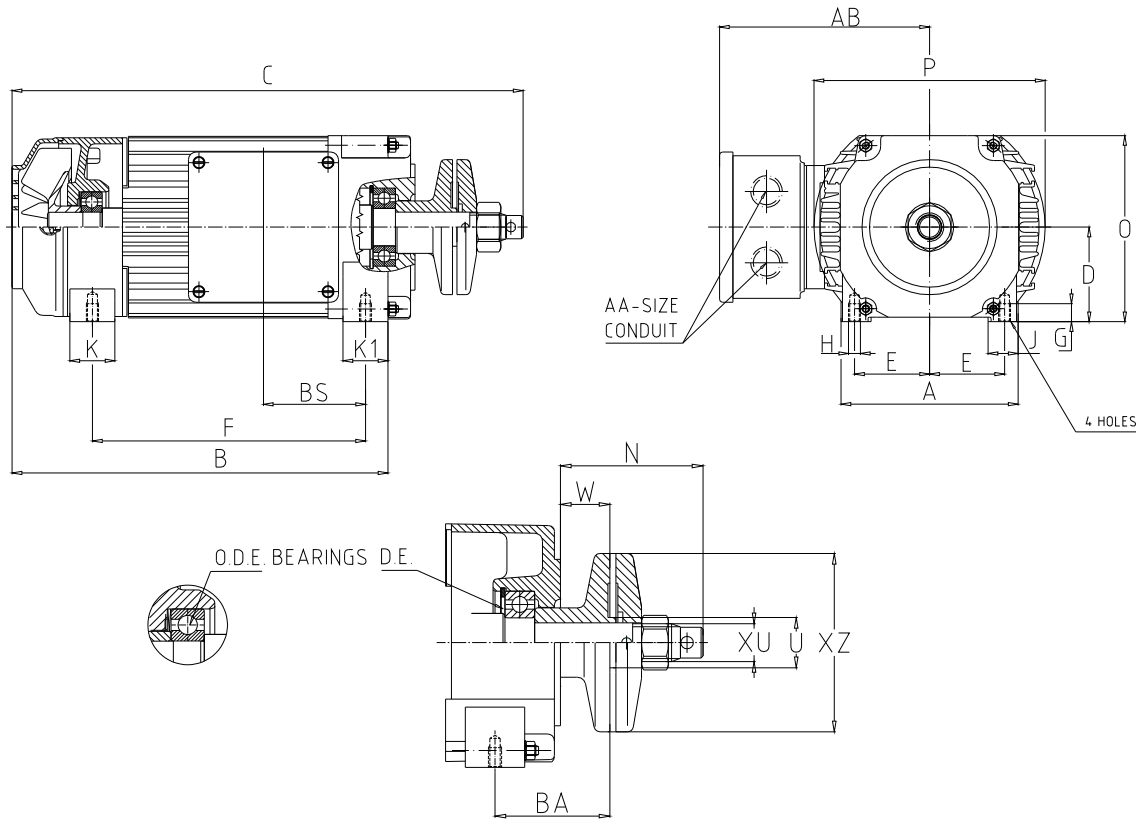
Dimension Drawing Type K62 (I.01 - I.04)



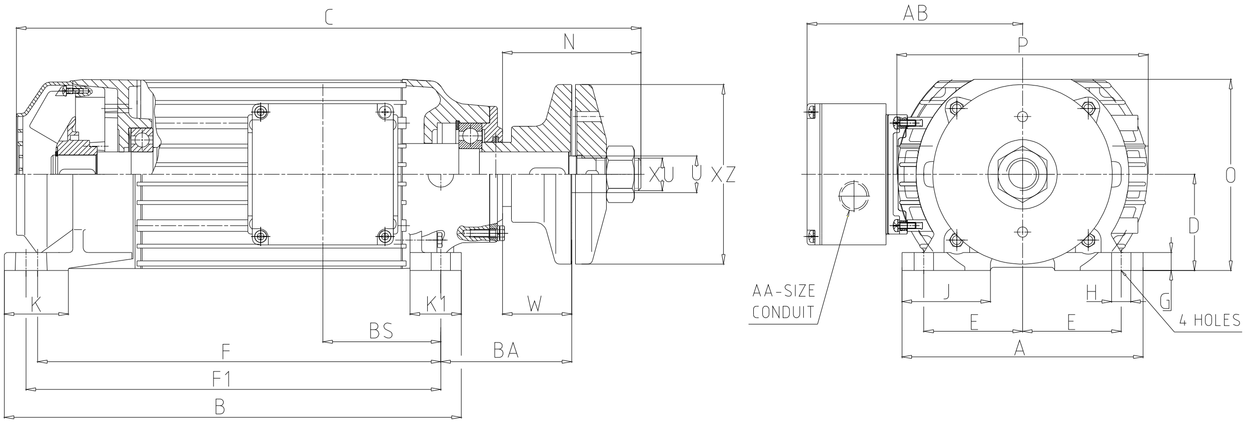
Dimensions in inches

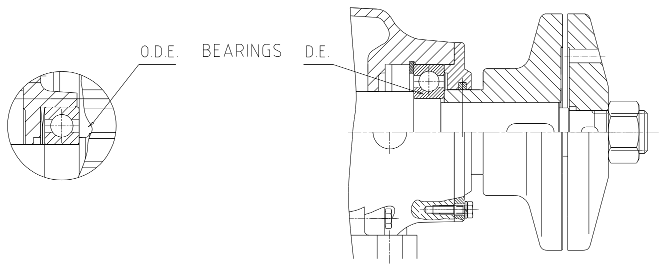
Print-No.	A	AA	AB	B	BA	BS	C	D	E	F	F1	
I.01	4.646	2xNPT 1/2	5.512	9.016	2.283	2.677	12.559	2.480	1.969	6.299	-	
I.02	4.646	2xNPT 1/2	5.512	9.882	2.283	2.677	13.425	2.480	1.969	7.165	-	
I.03	4.646	2xNPT 1/2	5.512	11.379	2.283	2.677	14.921	2.480	1.969	8.661	-	
I.04	4.646	2xNPT 1/2	5.512	14.528	2.283	2.677	18.071	2.480	1.969	11.811	-	
L.09	7.402	NPT3/4	6.614	14.035	4.016	3.622	19.177	2.953	3.031	12.382	12.736	
L.10	7.402	NPT3/4	6.614	16.398	4.016	3.622	21.539	2.953	3.031	14.744	15.098	
L.11	7.402	NPT3/4	6.614	18.051	4.016	3.622	23.193	2.953	3.031	16.398	16.752	
0.19	6.496	NPT3/4	6.614	20.787	4.567	3.740	25.472	2.953	2.756	15.945	-	
0.21	6.496	NPT3/4	6.614	24.449	4.567	3.740	29.134	2.953	2.756	19.606	-	
0.22	6.496	NPT3/4	6.614	27.638	4.567	3.740	34.527	2.953	2.756	25.000	-	
K.01	10.236	2xPg21,Pg11	8.650	20.000	3.543	4.862	25.512	4.409	4.331	16.339	-	
K.02	10.236	2xPg21,Pg11	8.650	23.149	3.543	4.862	28.661	4.409	4.331	19.488	-	
K.03	10.236	2xPg29	9.508	25.118	3.543	5.314	30.630	4.409	4.331	21.457	-	
K.04	10.236	2xPg29	9.508	29.448	3.543	5.314	34.961	4.409	4.331	25.787	-	
K.05	10.236	2xPg29	9.508	33.385	3.543	5.314	38.898	4.409	4.331	29.724	-	

- Diagrams and dimensions for reference only. – For construction purposes request certified print.

- **50 cycles operation:** 60 cycle motors listed above may be operated on 50 cycles.
RPM and HP will be approximately 5/6 of 60 cycle value.

Dimension Drawing Type K75 (L.09 - L.11)



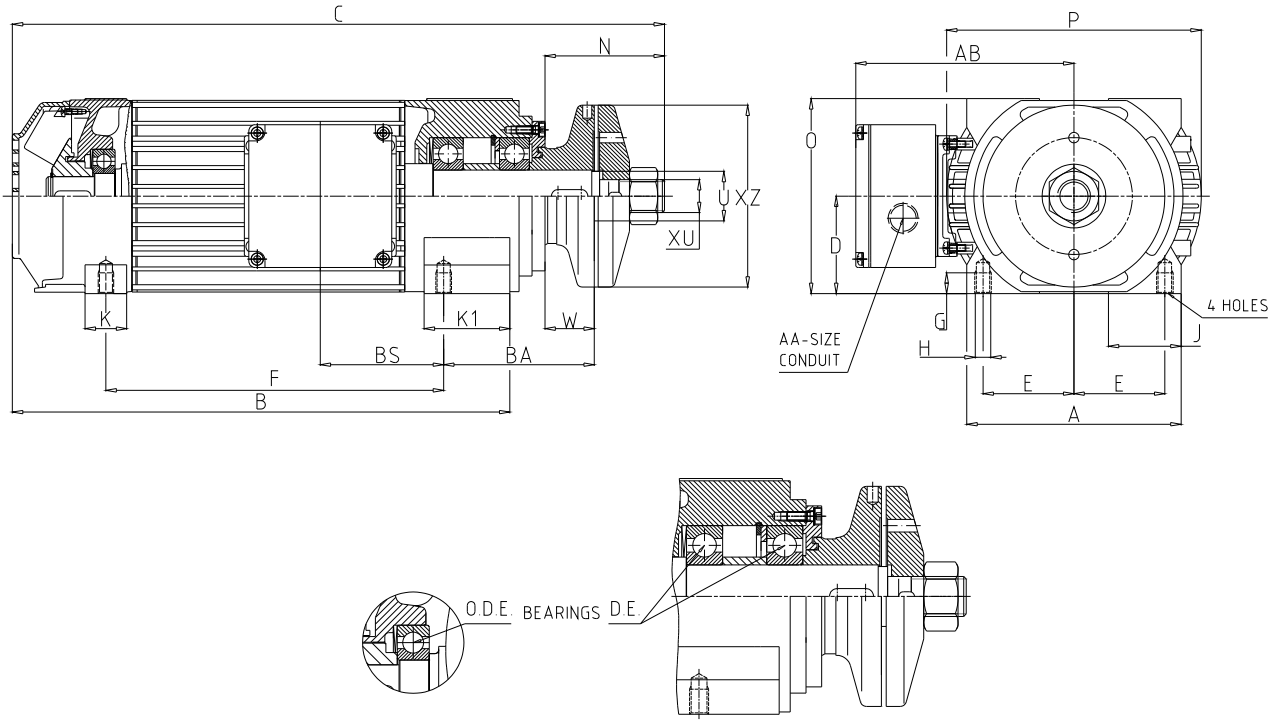


Print-No	G	H	J	K	K1	N	O	P	U	XU	XZ	W
	0.472	5/16-18UNC	0.630	1.181	1.181	2.835	4.882	6.063	1.000	3/4-10UNC	3.543	0.984
	0.472	5/16-18UNC	0.630	1.181	1.181	2.835	4.882	6.063	1.000	3/4-10UNC	3.543	0.984
	0.472	5/16-18UNC	0.630	1.181	1.181	2.835	4.882	6.063	1.000	3/4-10UNC	3.543	0.984
	0.472	5/16-18UNC	0.630	1.181	1.181	2.835	4.882	6.063	1.000	3/4-10UNC	3.543	0.984
	0.551	0.591	2.717	1.969	1.575	4.252	5.866	7.717	1.125	1-8UNC	5.512	2.126
	0.551	0.591	2.717	1.969	1.575	4.252	5.866	7.717	1.125	1-8UNC	5.512	2.126
	0.551	0.591	2.717	1.969	1.575	4.252	5.866	7.717	1.125	1-8UNC	5.512	2.126
	0.630	1/2-13UNC	2.244	1.260	2.598	3.622	5.906	7.717	1.500	1-8UNC	5.512	1.496
	0.630	1/2-13UNC	2.244	1.260	2.598	3.622	5.906	7.717	1.500	1-8UNC	5.512	1.496
	0.630	1/2-13UNC	2.244	1.260	2.598	3.622	5.906	7.717	1.500	1-8UNC	5.512	1.496
	0.709	0.748	2.559	1.772	2.244	5.079	8.937	11.024	2.000	M36x1.5	7.874	2.402
	0.709	0.748	2.559	1.772	2.244	5.079	8.937	11.024	2.000	M36x1.5	7.874	2.402
	0.709	0.748	2.559	1.772	2.244	5.079	8.937	11.024	2.000	M36x1.5	7.874	2.402
	0.709	0.748	2.559	1.772	2.244	5.079	8.937	11.024	2.000	M36x1.5	7.874	2.402
	0.709	0.748	2.559	1.772	2.244	5.079	8.937	11.024	2.000	M36x1.5	7.874	2.402

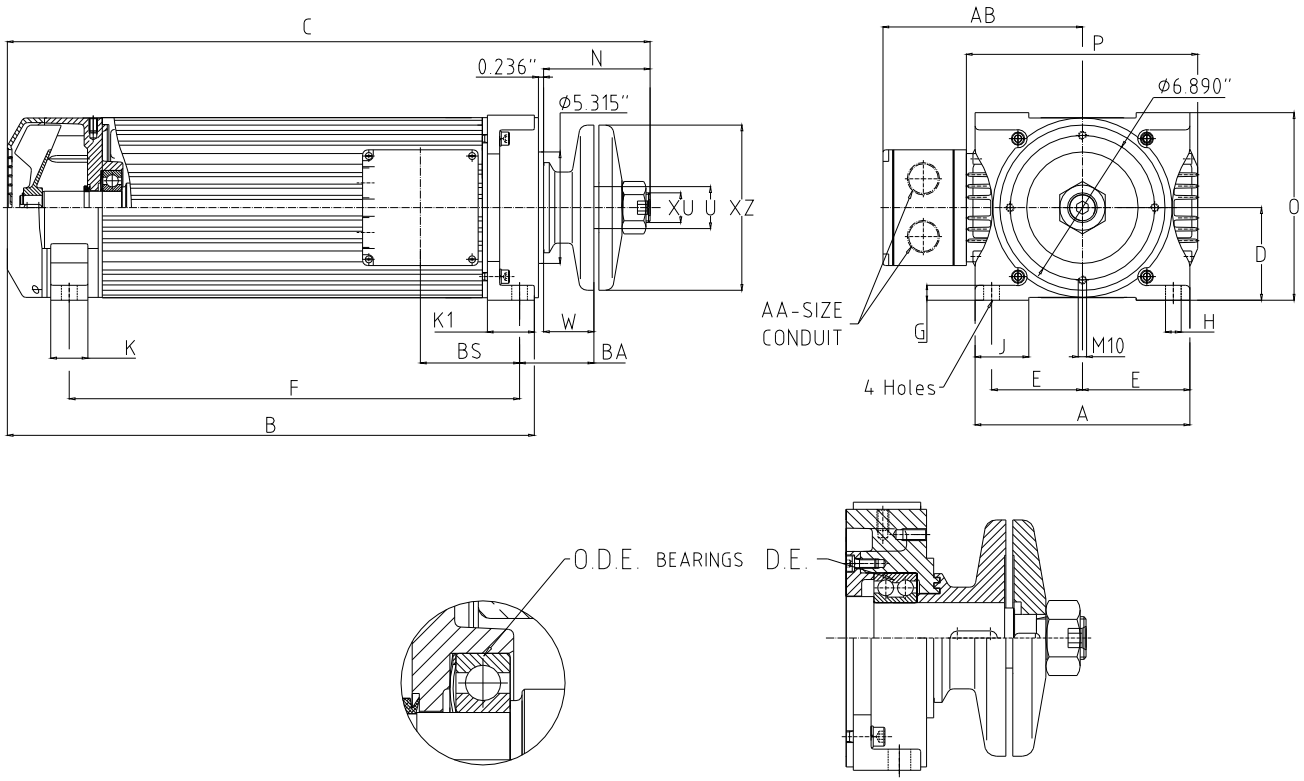
- This leaflet shows our heavy duty standard types only. We can also offer single-phase A. C. capacitor-run, dual-speed, high-frequency, and other special-type saw arbor and low-profile motors for industrial or Do-it-yourself applications.

- **Motor shaft** is furnished with left-hand thread unless otherwise specified.
- **Terminal box** will be located on left hand side when facing shaft, unless otherwise specified. It can be turned by 180°.

Dimension Drawing Type KG75 (O.19 - O.22)



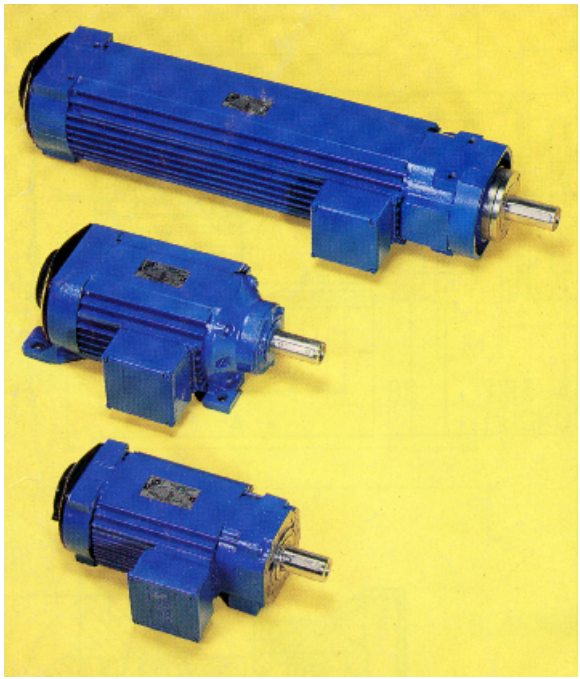
Dimension Drawing Type K112 (K.01 – K.05)



ACC-HIMMEL Cutter Spindle Motors

CUTTER-SPINDLE MOTORS:

ACC-HIMMEL Cutter-Spindle Motors feature custom designed shafts for direct mount cutting tool applications. They are precision balanced and feature roller bearings for speeds up to 7200 RPM (120Hz). These motors are in a low profile, compact design with voltages up to 575 Volts and are designed for heavy-duty industrial use.



Technical Data 3600 RPM

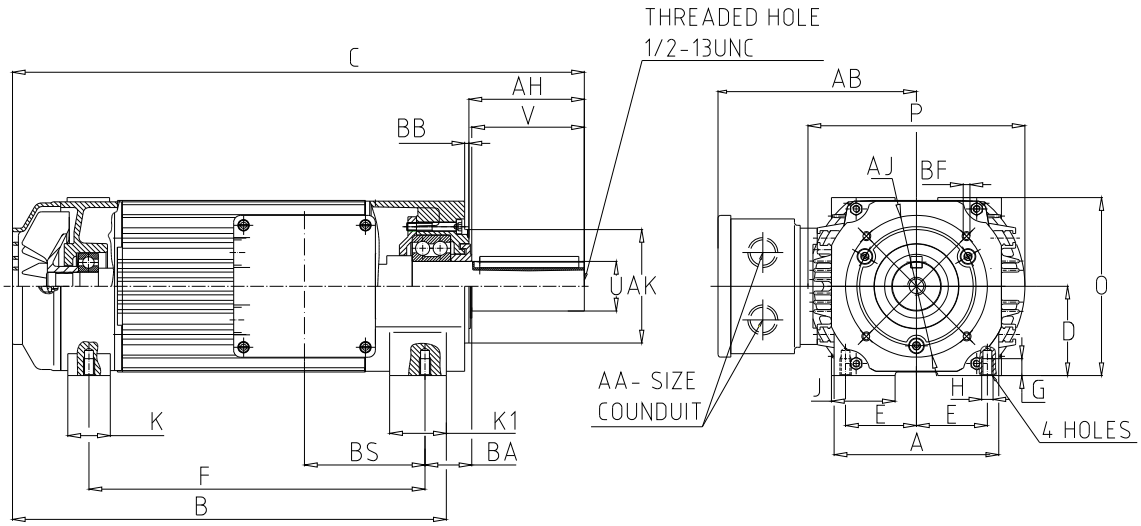
Continuous duty (HP) at 60 cycl.	at 120 cycl.	Type	Print-No.	Tapered shaft dimensions [1] (in.) U	V [2]	key	keyway	Amperes (60Hz) 230V	460V	575V	Bearings D.E.	O.D.E.	Breakdown Torque %	Netweight Approx. lbs.
1	1.5	KF 62 S/2	M.12	1.375	3.125	0.312x0.312	2.750	3.2	1.6	1.3	3207-ZZ	6204-ZZ	400	33
2	2.5	KF62 M/2	M.13	1.375	3.125	0.312x0.312	2.750	6.2	3.1	2.5	3207-ZZ	6204-ZZ	320	40
3	4	KF62 L/2	M.14	1.375	3.125	0.312x0.312	2.750	9.4	4.7	3.76	3207-ZZ	6204-ZZ	330	46
4	5.3	KF62 XL/2	M.15	1.375	3.125	0.312x0.312	2.750	10.8	5.4	4.3	3207-ZZ	6204-ZZ	340	64
5	7	KF75 SB/2	N.16	1.375	3.125	0.312x0.312	2.750	15.2	7.6	5.3	2x6208-ZZ/C3	6207-ZZ/C3	320	67
7.5	10.5	KF75 M/2	N.17	1.375	3.125	0.312x0.312	2.750	19.4	9.7	7.8	2x6208-ZZ/C3	6207-ZZ/C3	370	84
10	14	KF75MB/2	N.18	1.375	3.125	0.312x0.312	2.750	25.8	12.9	8.5	2x6208-ZZ/C3	6207-ZZ/C3	440	97
12	16.5	KF75 L/2	N.19	1.375	3.125	0.312x0.312	2.750	26.4	13.2	10.5	2x6208-ZZ/C3	6207-ZZ/C3	420	112
15	21	KF75LP/2	N.20	1.375	3.125	0.312x0.312	2.750	37.0	18.5	14.8	2x6208-ZZ/C3	6207-ZZ/C3	500	133
22	30.5	KF75 XL/2	N.21	1.375	3.125	0.312x0.312	2.750	48.8	24.4	19.5	2x6208-ZZ/C3	6207-ZZ/C3	520	177
20	24	KF112 S/2	F.01	2.000	4.000	0.5x0.5	2.750	48.0	24.0	19.2	3212-2Z/C3	6308-2Z/C3	410	199
30	35	KF112 SB/2	F.02	2.000	4.000	0.5x0.5	2.750	71.0	35.5	28.4	3212-2Z/C3	6308-2Z/C3	470	252
36	41.5	KF112 M/2	F.03	2.000	4.000	0.5x0.5	2.750	84.8	42.4	33.9	3212-2Z/C3	6308-2Z/C3	460	287
48	58	KF112 L/2	F.04	2.000	4.000	0.5x0.5	2.750	113.6	56.8	45.5	3212-2Z/C3	6308-2Z/C3	540	327
60	72	KF112 XL/2	F.05	2.000	4.000	0.5x0.5	2.750	141.4	70.7	56.6	3212-2Z/C3	6308-2Z/C3	530	413

Dimensions in inches

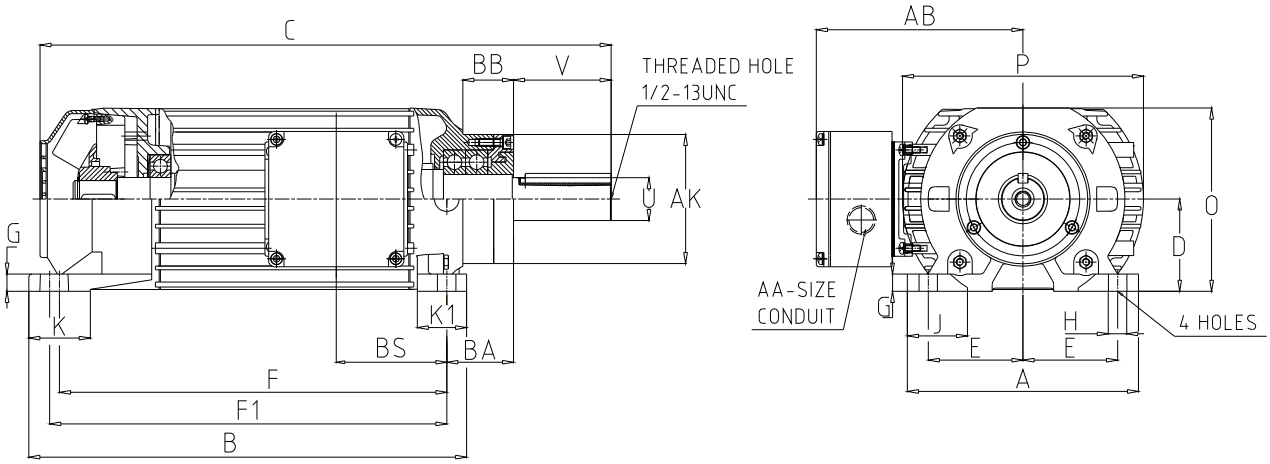
Print-No.	A	AA	AB	AH	AJ	AK	B	BA	BB	BF	BS	C	D	E	F	F1	G	H	J	K	K1	O	P
M.12	4.567	2xNPT1/2	5.512	3.204	3.937	3.149	9.686	1.299	0.118	1/4-20UNC	3.347	13.519	2.480	1.969	6.969	-	0.469	5/16-18UNC	1.692	1.181	1.575	4.940	6.024
M.13	4.567	2xNPT1/2	5.512	3.204	3.937	3.149	10.552	1.299	0.118	1/4-20UNC	3.347	14.385	2.480	1.969	7.835	-	0.469	5/16-18UNC	1.692	1.181	1.575	4.940	6.024
M.14	4.567	2xNPT1/2	5.512	3.204	3.937	3.149	12.048	1.299	0.118	1/4-20UNC	3.347	15.881	2.480	1.969	9.331	-	0.469	5/16-18UNC	1.692	1.181	1.575	4.940	6.024
M.15	4.567	2xNPT1/2	5.512	3.204	3.937	3.149	15.197	1.299	0.118	1/4-20UNC	3.347	19.032	2.480	1.969	12.480	-	0.469	5/16-18UNC	1.692	1.181	1.575	4.940	6.024
N.16	7.402	NPT 3/4	6.614	-	-	4.134	14.016	2.134	1.622	-	3.543	18.287	2.953	3.031	12.402	12.717	0.551	0.591	2.717	1.969	1.575	5.866	7.717
N.17	7.402	NPT 3/4	6.614	-	-	4.134	16.378	2.134	1.622	-	3.543	20.648	2.953	3.031	14.764	15.079	0.551	0.591	2.717	1.969	1.575	5.866	7.717
N.18	7.402	NPT 3/4	6.614	-	-	4.134	18.031	2.134	1.622	-	3.543	22.302	2.953	3.031	16.417	16.732	0.551	0.591	2.717	1.969	1.575	5.866	7.717
N.19	7.402	NPT 3/4	6.614	-	-	4.134	19.724	2.134	1.622	-	3.543	23.995	2.953	3.031	18.110	18.425	0.551	0.591	2.717	1.969	1.575	5.866	7.717
N.20	7.402	NPT 3/4	6.614	-	-	4.134	23.386	2.134	1.622	-	3.543	27.656	2.953	3.031	21.772	22.086	0.551	0.591	2.717	1.969	1.575	5.866	7.717
N.21	7.402	NPT 3/4	6.614	-	-	4.134	28.779	2.134	1.622	-	3.543	33.050	2.953	3.031	27.166	27.480	0.551	0.591	2.717	1.969	1.575	5.866	7.717
F.01	10.236	2xPg21,Pg11	8.650	4.472	6.889	5.315	20.000	1.614	0.236	M10	4.862	24.906	4.409	4.331	16.339	-	0.709	0.748	2.559	1.772	2.244	8.937	11.024
F.02	10.236	2xPg21,Pg11	8.605	4.472	6.889	5.315	23.149	1.614	0.236	M10	4.862	28.055	4.409	4.331	19.488	-	0.709	0.748	2.559	1.772	2.244	8.937	11.024
F.03	10.236	2xPg29	9.508	4.472	6.889	5.315	25.118	1.614	0.236	M10	5.314	30.024	4.409	4.331	21.457	-	0.709	0.748	2.559	1.772	2.244	8.937	11.024
F.04	10.236	2xPg29	9.508	4.472	6.889	5.315	29.448	1.614	0.236	M10	5.314	34.354	4.409	4.331	25.787	-	0.709	0.748	2.559	1.772	2.244	8.937	11.024
F.05	10.236	2xPg29	9.508	4.472	6.889	5.315	33.385	1.614	0.236	M10	5.314	38.291	4.409	4.331	29.724	-	0.709	0.748	2.559	1.772	2.244	8.937	11.024

[1]) For shaft modification refer to office. For construction purposes request certified print.
[2]) Available for tool mounting

Dimension Drawing Type KF62 (M.12 - M.15)



Dimension Drawing Type KF75 (N.16 - N.21)



Dimension Drawing Type KF112 (F.01 – F.05)