WTEX POWER TRANSMISSION

KM - SERIES
HYPOID HELICAL GEARBOX

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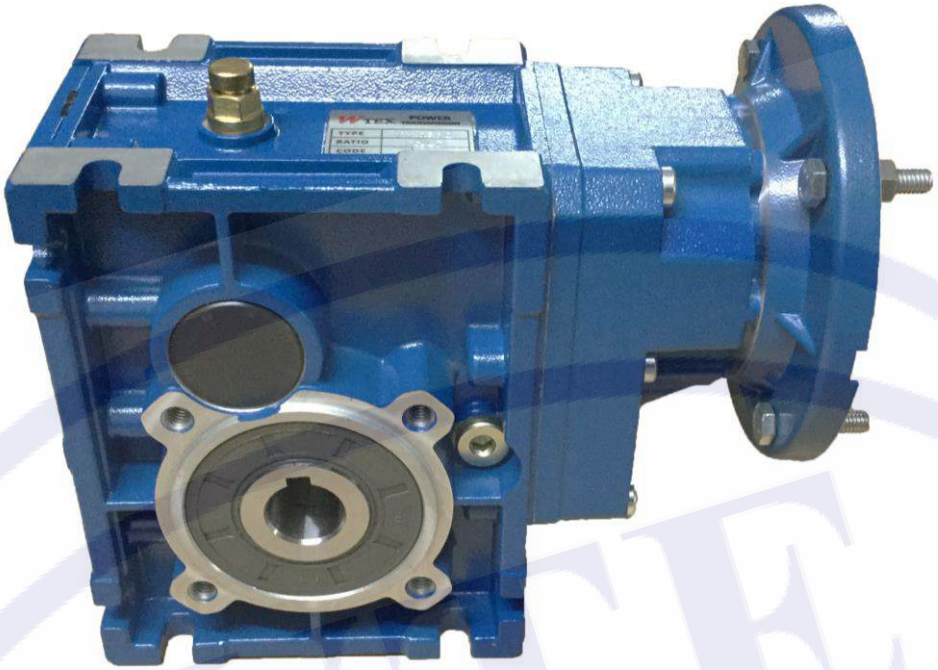
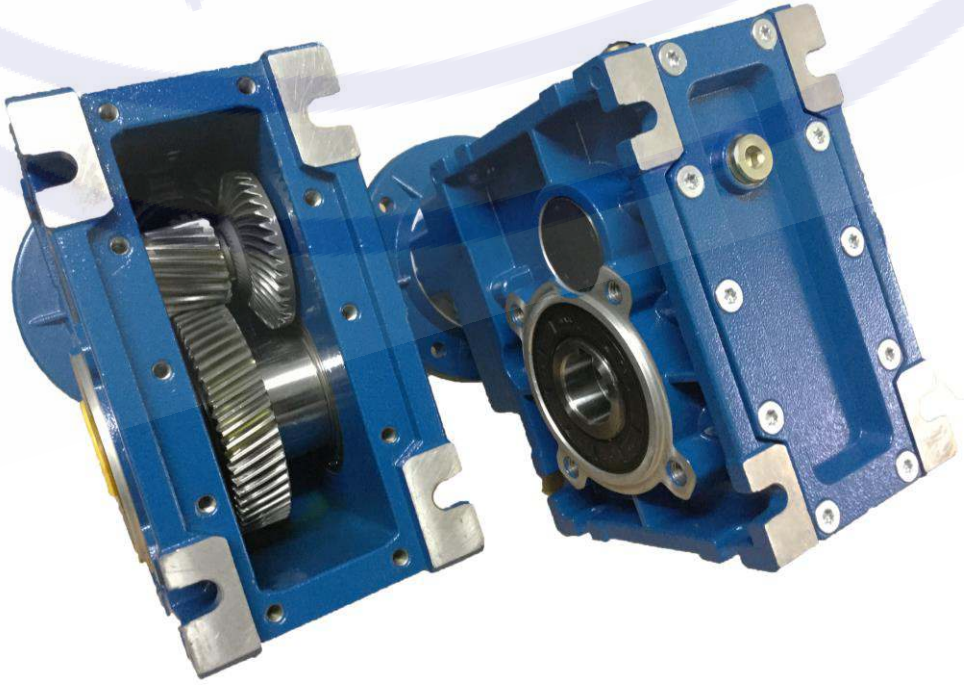
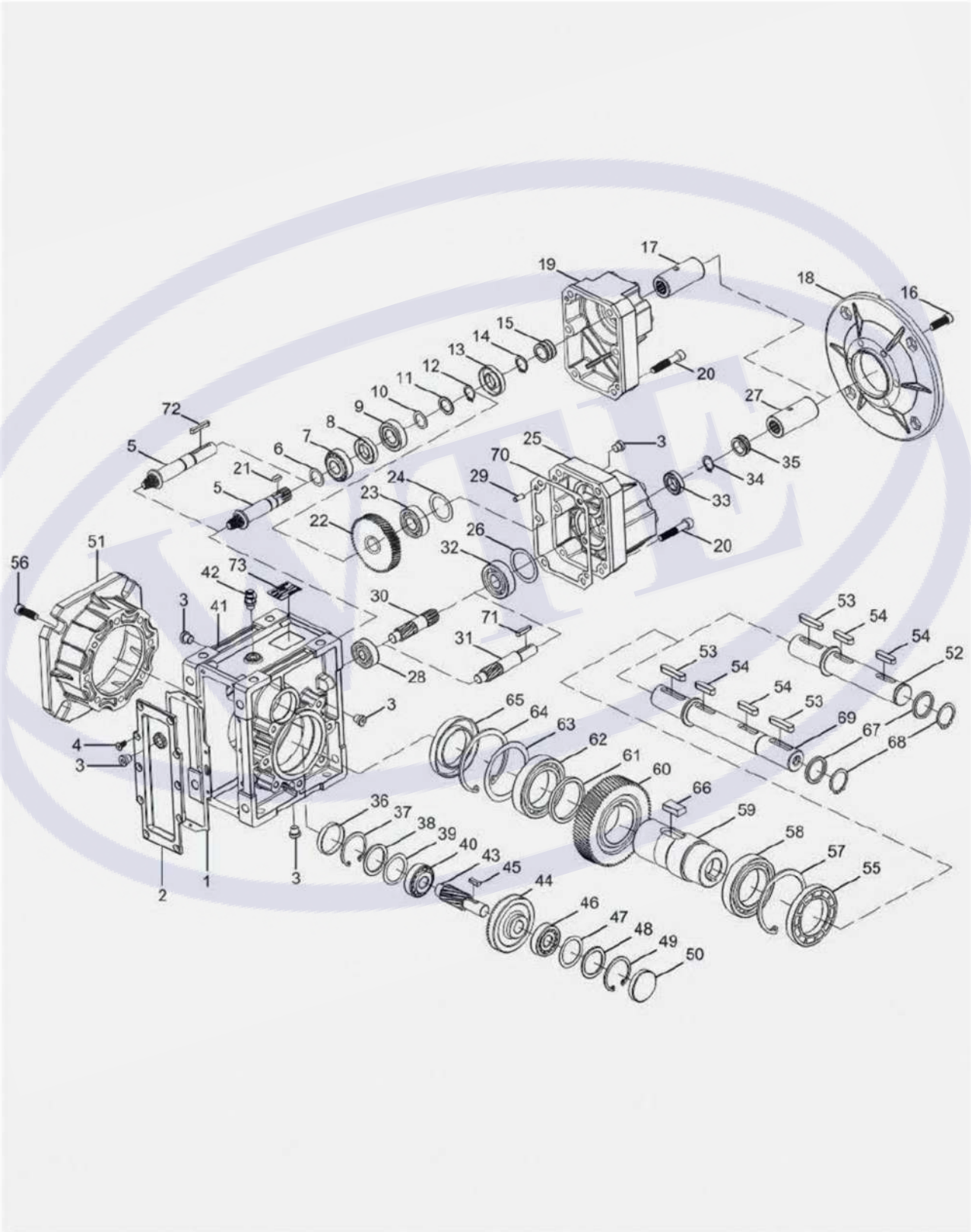


KM Series Hypoid Gearbox



KM SERIES HYPOID GEARBOX

STRUCTURE DIAGRAM



STRUCTURE DIAGRAM

1	Rubber gasket	38	Washer
2	Gearcase cover	39	Shim ring
3	Oil plug	40	Bearing
4	Hexagon sunk screw	41	Gearcase
5	Pinion shaft	42	Breather valve
6	Shin ring	43	Pinion shaft
7	Bearing	44	Gear
8	Oil seal	45	Key
9	Bearing	46	Bearing
10	Shin ring	47	Shim ring
11	Washer	48	Washer
12	Shaft-circlip	49	Hole-circlip
13	Oil seal	50	Closing cap
14	Shaft-circlip	51	Output flange
15	Rubber boot	52	Single output shaft
16	Inner hex screw	53	Key
17	Input shaft	54	Key
18	Input flange	55	Oil seal
19	2 stage input box cover	56	Inner hex screw
20	Inner hex screw	57	Hole-circlip
21	Key	58	Bearing
22	Gear	59	Hollow shaft
23	Bearing	60	Gear
24	Shim ring	61	Washer
25	3 stage input box cover	62	Bearing
26	Shim ring	63	Shim ring
27	Input shaft	64	Hole-circlip
28	Bearing	65	Oil seal
29	Stifte	66	Key
30	Pinion	67	Washer
31	Pinion shaft	68	Shaft-circlip
32	Bearing	69	Double output shaft
33	Oil sea	70	Housing gasket
34	Shaft-circlip	71	Key
35	Rubber boot	72	Key
36	Closing cap	73	Nameplate
37	Hole-circlip		

DESIGN FEATURES

Summarize

KM series high efficiency hypoid gearbox is a new generation of product developed by our company. Fuses the advanced technology both at home and abroad.The mounting dimension of K M the same with NMRV Series worm gearbox.Adpot gear transmission used for reference SEW helical gearbox structure to improve transmission efficiency,solved NMRV worm gearbox transmission efficiency low, service life short and etc.questions.

In industrial developing K M the role of saving energy and reducing consumption,green environmental protection.

Products characteristics

1. Driven by hypoid gear , has big ratios.
2. Large in output torpue , high efficiency , energy saving and environmental protection.
3. Made of high-quqlity aluminum ally , light in weight and non-rusting.
4. Smooth in running and low in nosie , can work long time in dreadful conditions.
5. Good-looking in appearance , durable in service life and small in volume.
6. Suitable for all round installation , wide application and easy of use.
7. The mounting dimension of KM series are compatible with NMRV series worm gear unit(A part of NMRV050 dimensions are different from KM050)
8. Modular and multi-structure can meet the demands of various conditions.

Comparative advantage

1. High sfficiency &energy-saving

The hypoid gear has low friction,efficiency is as high as 92%,compared with the worm gearbox,the efficiency improved about 10%-40%.

Type	Ratios[i]	Input speed[n1]	Efficiency[η]
KM075	30.24	1400	90%
NMRV075	30	1400	60%

2. High strength & long life

The hypoid gear made of high quality alloy, treated by surface hardening,and produced by high-precision grinding machine,the output torque gaer strength and life are much better than worm gearbox.

Main materials

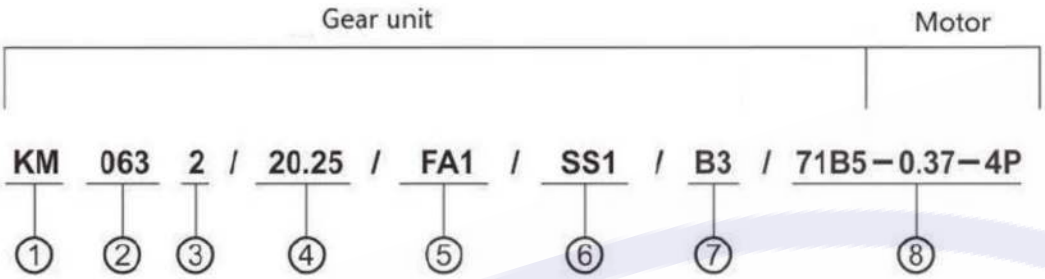
1. Housing:die-cast aluminum alloy (frame size:050 to 090);
   grey cast iron(frame size:110);
2. Gear wheel:20CrMnTi,carbonization & nitriding treatment make the hardness of gear's surface up to 58-62 HRC,retain carburized layer's thickness between 0.3 and 0.6mm after accurate grinding.

Surface painting

Aluminum alloy housing :

1. Shot blasting and special antiseptic treatment on the aluminum alloy surface.
2. After phosphating,spray the paint RAL7035 in grey or RAL5010 in blue.

MODEL ILLUMINATE



NO	Comments
1	Code for gear units series : KM
2	Specification code of gear units 050、063、075、090、110
3	1. 2:Means 2 stages 2. 3:Means 3 stages
4	Speed ratio of reducer i
5	1.No mark means without output flange 2.FA、FB、FC、FD、FE(1/2):output Flange and position
6	1.No mark means hole output 2.SS(1/2):Single output shaft and position 3.DS:Double output shaft
7	Installation position code
8	1. 71B5:IEC input flange code 2. MV7124: Compact motor type 3. 71B5-0.37-4P: IEC input flange code and model motors(poles of power)

RELEVANT PARAMETER

POWER P

$P_1=P_2/\eta$ (kW)

$P_{1n} \geqslant P_1 \cdot fs$(kW)

P_1 Input power
P_{1n} Rated input motor power
η Transmission efficiency
P_2 Output power
fs Service factor

The efficiency of KM gear units varies with the number of gear stages,which is 92% for 2-stage,90% for 3-stage.

Rotation speed n

n_1 Gear units input speed
n_2 Gear units output speed

If driven by the external gearing, 1400r/min or lower rotation speed is suggested so as to optimize the working conditions and prolong the service life.Higher input rotation speed is permitted, but in this situation, the rated torque M_2 will be reduced.

Transmission ratio i

$i=n_1/n_2$

Usually transmission ratio is decimal fraction with 2 radix point tagged in selection tables.

Torque m

$M_2=9550 \cdot P_1 \cdot \eta / n_2$(Nm)

$M_{2n} \geqslant M_2 \cdot fs$(Nm)

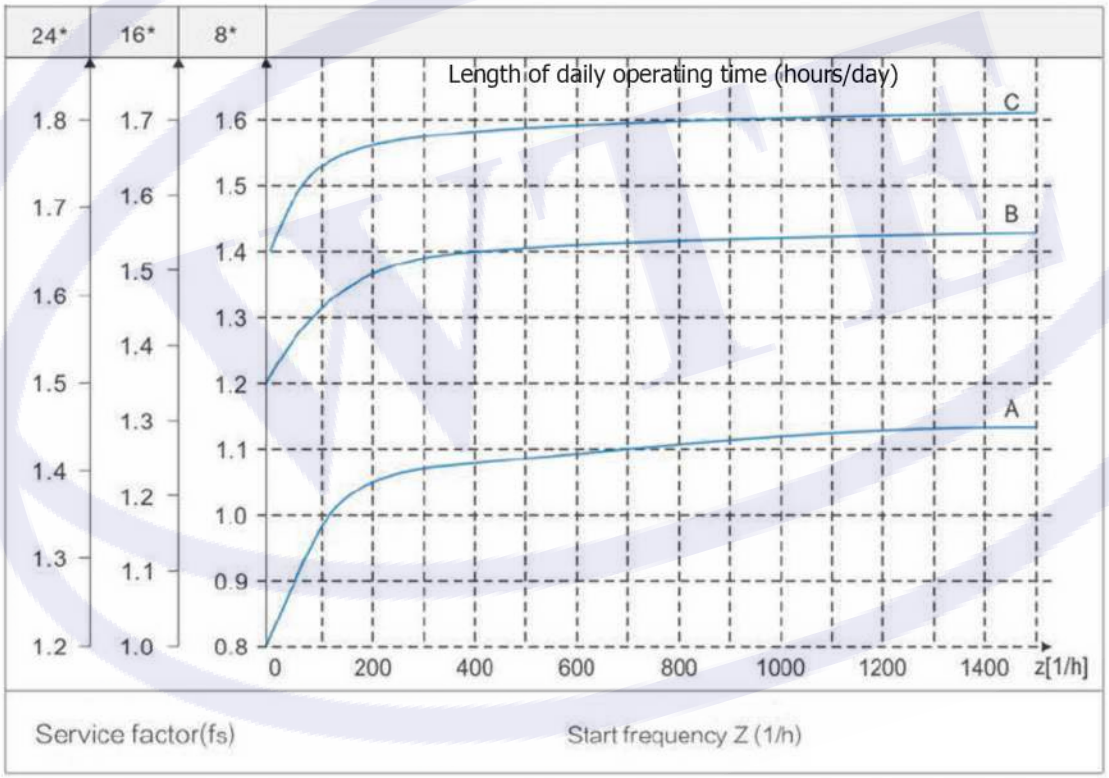
M_2 Output torque
M_{2n} Rated output torque
P_1 Input power
η Transmission efficiency
fs Service factor

RELEVANT PARAMETER

Service factor fs

The effect of the driven machine on the gear unit is taken into account to a sufficient level of accuracy using the service factor fs. The service factor is determined according to the daily operating time and the starting frequency Z.

Three load classifications are considered depending on the mass acceleration factor .You can read off the service factor applicable to your application in following figure. The service factor selected using this diagram must be less than or equal to the service factor as given in the performance parameter table.



- starting frepuency Z: The cycles include all starting and braking procedures as well as change overs from low to high speed.

RELEVANT PARAMETER

Load classifications

Type of load:

A. Uniform ,permitted mass acceleration factor Fa≤0.2

B. Moderate shock load,permitted mass acceleration factor Fa≤3

C. Heavy shock load,permitted mass acceleration factor Fa≤10

Screw feeders for light materials, fans, assembly lines, conveyor belts for light materials, small mixers, lifts, cleaning machines, fillers, control machines.

Winding devices, woodworking machine feeders, goods lifts, balancers, threading machines, medium mixers, conveyor belts for heavy materials, winches, sliding doors, fertilize scrapers, packing machines, concrete mixers, crane mechanisms, milling cutters, folding machines, gear pumps.

Mixers for heavy materials, shears, presses, centrifuges, rotating supports, winches and lifts for heavy materials, grinding lathes, stone mills, bucket elevators, drilling machines, hammer mills, cam presses, folding machines, turntables, tumbling barrels, vibrators, shredders.

Mass acceleration factor

The mass acceleration factor is calculated as follows:

Fa=Jc/Jm

Fa Mass acceleration factor

Jc All external mass moments of inertia(kgm^2)

Jm Mass moment of inertia on the motor end(kgm^2)

If mass acceleration factors fa>10,please call our Technical Service.

To keep the service-life of gear units,use factor fs selected from the catalogue must be equal or slightly higher than the calculated use factor fs.

Example :

Mass acceleration factor 2.5 (load classification B) , 14hours/day operating time (read off at 16h/d) and 200 cycles/hour result in a service factor fs=1.48.

choose the service factor fs≥1.48 according to the parameter sheet.

RELEVANT PARAMETER

Overhung loads and axial forces

When determining the resulting radial loads,the type of transmission elements,mounted on the shaft end must be considered,Varous transmission elements are corresponding with following transmission element factors fz:

Transmission element	Transmission element factor fz	Comments
Gears	1.15	<17 teeth
Chain sprockets	1.25	<20 teeth
	1.40	<13 teeth
Narrow V-belt pulleys	1.75	Influence of the tensile force
Flat belt pulleys	2.50	Influence of the tensile force
Toothed belt pulleys	2.50	Influence of the tensile force

The overhung loads exerted on the motor or gear shaft is then calculated as follows.

$$Fr = \frac{M \cdot 2000 \cdot fz}{d_0} \text{ (N)}$$

Fr Resulting radial load [N]
M Torque on the shafts [Nm]
d_0 Mean diameter of the mounted transmission element in [mm]
fz Transmission element factor

The basis for determining the permitted radial loads is the computation of the rated service life L_{10h} of the bearings (according to ISO0281) For special operating conditions , the permitted radial loads can be determined with regard service life Lna.

The permitted radial loads given in the selection tables must be calculated using the following formula in the event of force application not in the center of the shaft end.The smaller of the two values FxL (according to bearing service life)

according to bearing service life :

$$FxL = Fr_{(1,2)} \cdot \frac{a}{b+x} [N]$$

Fr_1, Fr_2 = Permitted overhung load (x=L/2) for footmounted gear units according to he selection tables in [N]
X= Distance from the shaft shoulder to the force application point in [mm]
a,b = Gear unit constant for overhung load conversion [mm]

GEAR UNIT SELECTION TABLES

KM 050..Possible geometrical combinations (n_1 =1400r/min) **130Nm**

Gear units	i Nominal	i Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90
3 Stage									
KM0503	300	291.79	4.8	130	4100				
KM0503	250	244.29	5.7	130	4100				
KM0503	200	200.44	7.0	130	4100				
KM0503	150	146.67	9.5	130	4000				
KM0503	125	120.34	11.6	130	3770				
KM0503	100	101.04	13.9	100	3560				
KM0503	75	74.62	18.8	80	3220				
KM0503	60	62.36	22	130	3030				
KM0503	50	52.36	27	100	2860				
2 Stage									
KM0502	60	58.36	24	130	2960				
KM0502	50	48.86	29	130	2790				
KM0502	40	40.09	35	130	2610				
KM0502	30	29.33	48	130	2350				
KM0502	25	24.07	58	130	2200				
KM0502	20	20.21	69	100	2080				
KM0502	15	14.92	94	80	1880				
KM0502	12.5	12.47	112	130	1770				
KM0502	10	10.47	134	100	1670				
KM0502	7.5	7.73	181	80	1510				

GEAR UNIT SELECTION TABLES

KM 063..Possible geometrical combinations (n_1 =1400r/min) **200Nm**

Gear units	i Nominal	i Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90
3 Stage									
KM0633	300	302.50	4.6	200	4800				
KM0633	250	243.57	5.7	200	4800				
KM0633	200	196.43	7.1	180	4800				
KM0633	150	151.56	9.2	200	4650				
KM0633	125	122.22	11.5	180	4330				
KM0633	100	101.27	13.8	150	4070				
KM0633	75	73.33	19.1	110	3650				
KM0633	60	63.33	22	180	3480				
KM0633	50	52.48	27	150	3270				
2 Stage									
KM0632	60	60.50	23	200	3430				
KM0632	50	48.71	29	200	3190				
KM0632	40	39.29	36	180	2970				
KM0632	30	30.31	46	200	2720				
KM0632	25	24.44	57	180	2530				
KM0632	20	20.25	69	150	2380				
KM0632	15	14.67	95	110	2130				
KM0632	12.5	12.67	110	180	2030				
KM0632	10	10.50	133	150	1910				
KM0632	7.5	7.60	184	110	1710				

GEAR UNIT SELECTION TABLES

KM 075..Possible geometrical combinations (n_1 =1400r/min) **350Nm**

Gear units	i Nominal	i Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90	MV100	MV112
3 Stage											
KM0753	300	297.21	4.7	350	6500						
KM0753	250	240.89	5.8	350	6500						
KM0753	200	200.66	7.0	300	6500						
KM0753	150	151.20	9.3	350	6500						
KM0753	125	125.95	11.1	300	5980						
KM0753	100	99.22	14.1	240	5520						
KM0753	75	75.45	18.6	200	5040						
KM0753	60	62.43	22	300	4730						
KM0753	50	49.18	28	240	4370						
2 Stage											
KM0752	60	59.44	24	350	4660						
KM0752	50	48.18	29	350	4340						
KM0752	40	40.13	35	300	4080						
KM0752	30	30.24	46	350	3720						
KM0752	25	25.19	56	300	3500						
KM0752	20	19.84	71	240	3230						
KM0752	15	15.09	93	200	2950						
KM0752	12.5	12.49	112	300	2770						
KM0752	10	9.84	142	240	2550						
KM0752	7.5	7.48	187	200	2330						

GEAR UNIT SELECTION TABLES

KM 090..Possible geometrical combinations (n_1 =1400r/min) **500Nm**

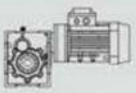
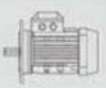
Gear units	i Nominal	i Actual	n_2 [r/min]	M_{2max} [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90	MV100	MV112
3 Stage											
KM0903	300	295.18	4.7	500	8300						
KM0903	250	240.89	5.8	500	8300						
KM0903	200	200.66	7.0	480	8300						
KM0903	150	151.20	9.3	500	8050						
KM0903	125	125.95	11.1	480	7580						
KM0903	100	99.22	14.1	380	7000						
KM0903	75	75.45	18.6	300	6390						
KM0903	60	62.43	22	480	6000						
KM0903	50	49.18	28	380	5540						
2 Stage											
KM0902	60	59.04	24	500	5890						
KM0902	50	48.18	29	500	5500						
KM0902	40	40.13	35	480	5170						
KM0902	30	30.24	46	500	4710						
KM0902	25	25.19	56	480	4430						
KM0902	20	19.84	71	380	4090						
KM0902	15	15.09	93	300	3730						
KM0902	12.5	12.49	112	480	3510						
KM0902	10	9.84	142	380	3240						
KM0902	7.5	7.48	187	300	2950						

PERFORMANCE PARAMETER

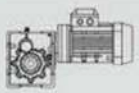
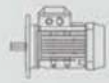
Performance parameter

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.12	4.8	215	300	291.79	4100	0.6	KM0503 MV6314	KM0503 63B5	6314
	5.7	180	250	244.29	4100	0.72			
	7.0	148	200	200.44	4100	0.88			
	9.5	108	150	146.67	4000	1.2			
	11.6	89	125	120.34	3770	1.5			
	13.9	74	100	101.04	3560	1.3			
	18.8	55	75	74.62	3220	1.5			
	22	46	60	62.36	3030	2.8			
	27	39	50	52.36	2860	2.6			
	24	44	60	58.36	2960	3.0	KM0502 MV6314	KM0502 63B5	6314
	29	37	50	48.86	2790	3.5			
	35	30	40	40.09	2610	4.3			
	48	22	30	29.33	2350	5.9			
	58	18.1	25	24.07	2200	7.2			
	69	15.2	20	20.21	2080	6.6			
	94	11.2	15	14.92	1880	7.1			
	112	9.4	12.5	12.47	1770	13.8			
	134	7.9	10	10.47	1670	12.7			
	181	5.8	7.5	7.73	1510	13.7			
	4.6	223	300	302.50	4800	0.9	KM0633 MV6314	KM0633 63B5	6314
	5.7	179	250	243.57	4800	1.1			
	7.1	145	200	196.43	4800	1.2			
	9.2	112	150	151.56	4650	1.8			
	11.5	90	125	122.22	4330	2.0			
	13.8	75	100	101.27	4070	2.0			
	19.1	54	75	73.33	3650	2.0			
	22	47	60	63.33	3480	3.9			
	27	39	50	52.48	3270	3.9			
	23	46	60	60.50	3420	4.4	KM0632 MV6314	KM0632 63B5	6314
	29	37	50	48.71	3190	5.5			
	36	30	40	39.29	2970	6.1			
	46	23	30	30.31	2720	8.8			
	4.7	219	300	297.21	6500	1.6	KM0753 MV6314	KM0753 63B5	6314
	5.8	177	250	240.89	6500	2.0			
	7.0	148	200	200.66	6500	2.0			
	9.3	111	150	151.20	6500	3.1			
	11.1	93	125	125.95	5980	3.2			
	14.1	73	100	99.22	5520	3.3			
	18.6	56	75	75.45	5040	3.6			

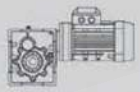
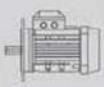
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.12	4.7	217	300	295.18	8300	2.3	KM0903 MV6314	KM0903 63B5	6314
	5.8	177	250	240.89	8300	2.8			
	7.0	148	200	200.66	8300	3.2			
	9.3	111	150	151.20	8050	4.5			
0.18	9.6	161	300	291.79	4000	0.81	KM0503 MV6312	KM0503 63B5	6312
	11.5	135	250	244.29	3790	0.96			
	14.0	111	200	200.44	3550	1.2			
	19.1	81	150	146.67	3200	1.6			
	23	66	125	120.34	2990	2.0			
	28	56	100	101.04	2820	1.8			
	38	41	75	74.62	2550	1.9			
	45	34	60	62.36	2400	3.8			
	53	29	50	52.36	2270	3.5			
	11.6	133	125	120.34	3770	0.98	KM0503 MV6324	KM0503 63B5	6324
	13.9	112	100	101.04	3560	0.9			
	18.8	82	75	74.62	3220	0.97			
	22	69	60	62.36	3030	1.9			
	27	58	50	52.36	2860	1.7			
	24	66	60	58.36	2960	2.0	KM0502 MV6324	KM0502 63B5	6324
	29	55	50	48.86	2790	2.4			
	35	45	40	40.09	2610	2.9			
	48	33	30	29.33	2350	3.9			
	58	27	25	24.07	2200	4.8			
	69	23	20	20.21	2080	4.4			
	94	17.2	15	14.92	1880	4.7			
	14.4	107	60	62.36	3510	1.2	KM0503 MV7116	KM0503 71B5/B14	7116
	17.2	90	50	52.36	3310	1.1			
	15.4	103	60	58.36	3430	1.3	KM0502 MV7116	KM0502 71B5/B14	7116
	18.4	86	50	48.86	3240	1.5			
	22	70	40	40.09	3030	1.8			
	31	52	30	29.33	2730	2.5			
	37	42	25	24.07	2550	3.1			
	45	36	20	20.21	2410	2.8			
	60	26	15	14.92	2180	3.1			
	72	22	12.5	12.47	2050	5.9			
	86	18.4	10	10.47	1930	5.4			
	116	13.6	7.5	7.73	1750	5.9			
	9.3	167	300	302.50	4650	1.2	KM0633 MV6312	KM0633 63B5	6312
	11.5	135	250	243.57	4330	1.5			
	14.3	109	200	196.43	4030	1.7			
	18.5	84	150	151.56	3690	2.4			
	23	68	125	122.22	3440	2.7			

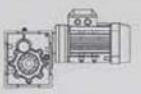
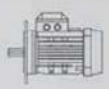
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
0.18	28	56	100	101.27	3230	2.7	KM0633	MV6312	KM0633	63B5	6312
	38	41	75	73.33	2900	2.7					
	44	35	60	63.33	2760	5.1					
	53	29	50	52.48	2590	5.2					
	7.1	217	200	196.43	4800	0.83	KM0633	MV6324	KM0633	63B5	6324
	9.2	167	150	151.56	4650	1.2					
	11.5	135	125	122.22	4330	1.3					
	13.8	112	100	101.27	4070	1.3					
	19.1	81	75	73.33	3650	1.4					
	22	70	60	63.33	3480	2.6					
	27	58	50	52.48	3270	2.6					
	23	68	60	60.50	3430	2.9	KM0632	MV6324	KM0632	63B5	6324
	29	55	50	48.71	3190	3.6					
	36	44	40	39.29	2970	4.1					
	7.4	210	125	122.22	4800	0.86	KM0633	MV7116	KM0633	71B5/B14	7116
	8.9	174	100	101.27	4720	0.86					
	12.3	126	75	73.33	4230	0.87					
	14.2	109	60	63.33	4030	1.7					
	17.1	90	50	52.48	3790	1.7					
	14.9	106	60	60.50	3970	1.9	KM0632	MV7116	KM0632	71B5/B14	7116
	18.5	86	50	48.71	3690	2.3					
	23	69	40	39.29	3440	2.6					
	30	53	30	30.31	3150	3.8					
	37	43	25	24.44	2930	4.2					
	44	36	20	20.25	2760	4.2					
	61	26	15	14.67	2470	4.3					
	9.4	164	300	297.21	6320	2.1	KM0753	MV6312	KM0753	63B5	6312
	11.6	133	250	240.89	5890	2.6					
	14.0	111	200	200.66	5540	2.7					
	18.5	84	150	151.20	5040	4.2					
	4.7	328	300	297.21	6500	1.1	KM0753	MV6324	KM0753	63B5	6324
	5.8	266	250	240.89	6500	1.3					
	7.0	222	200	200.66	6500	1.4					
	9.3	167	150	151.20	6500	2.1					
	11.1	139	125	125.95	5980	2.2					
	14.1	110	100	99.22	5520	2.2					
	18.6	83	75	75.45	5040	2.4					
	3.7	414	250	240.89	6500	0.85	KM0753	MV7116	KM0753	71B5/B14	7116
	4.5	345	200	200.66	6500	0.87					
	6.0	260	150	151.20	6500	1.3					

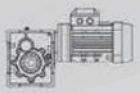
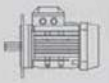
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.18	7.1	217	125	125.95	6500	1.4	KM0753 MV7116	KM0753 71B5/B14	7116
	9.1	171	100	99.22	6400	1.4			
	11.9	130	75	75.45	5840	1.5			
	14.4	107	60	62.43	5480	2.8			
	18.3	85	50	49.18	5060	2.8			
	15.1	107	60	59.44	5390	3.4	KM0752 MV7116	KM0752 71B5/B14	7116
	18.7	85	50	48.18	5030	4.1			
	22	71	40	40.13	4730	4.3			
	9.5	163	300	295.18	7990	3.1	KM0903 MV6312	KM0903 63B5	6312
	11.6	133	250	240.89	7470	3.8			
	14.0	111	200	200.66	7030	4.3			
	4.7	326	300	295.18	8300	1.5	KM0903 MV6324	KM0903 63B5	6324
	5.8	266	250	240.89	8300	1.9			
	7.0	222	200	200.66	8300	2.2			
	9.3	167	150	151.20	8050	3.0			
	11.1	139	125	125.95	7580	3.4			
	14.1	110	100	99.22	7000	3.5			
	18.6	83	75	75.45	6390	3.6			
	3.0	507	300	295.18	8300	1.0	KM0903 MV7116	KM0903 71B5/B14	7116
	3.7	414	250	240.89	8300	1.2			
	4.5	345	200	200.66	8300	1.4			
	6.0	260	150	151.20	8300	1.9			
	7.1	217	125	125.95	8300	2.2			
	9.1	171	100	99.22	8110	2.2			
	11.9	130	75	75.45	7400	2.3			
	14.4	107	60	62.43	6950	4.5			
	18.3	85	50	49.18	6420	4.5			
	3.0	520	300	296.10	10000	1.5	KM1103 MV7116	KM1103 71B5/B14	7116
	3.7	420	250	244.29	10000	1.8			
	4.4	355	200	206.29	10000	2.1			
	5.9	264	150	153.33	10000	2.8			
	7.0	223	125	129.48	9840	3.4			
	8.7	178	100	103.64	9130	3.6			
	11.9	130	75	75.55	8220	4.0			
0.25	19.1	113	150	146.67	3200	1.2	KM0503 MV6322	KM0503 63B5	6322
	23	92	125	120.34	2990	1.4			
	28	78	100	101.04	2820	1.3			
	38	57	75	74.62	2550	1.4			
	45	48	60	62.36	2400	2.7			
	53	40	50	52.36	2270	2.5			

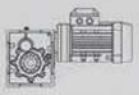
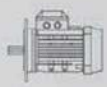
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
0.25	22	96	60	62.36	3030	1.4	KM0503	MV6334	KM0503	71B5/B14	7114
	27	80	50	52.36	2860	1.2					
	24	92	60	58.36	2960	1.4	KM0502	MV6334	KM0502	71B5/B14	7114
	29	77	50	48.86	2790	1.7					
	35	63	40	40.09	2610	2.1					
	48	46	30	29.33	2350	2.8					
	58	38	25	24.07	2200	3.4					
	69	32	20	20.21	2080	3.2					
	94	23	15	14.92	1880	3.4					
	15.4	142	60	58.36	3430	0.9	KM0502	MV7126	KM0502	71B5/B14	7126
	18.4	119	50	48.86	3240	1.1					
	22	98	40	40.09	3030	1.3					
	31	72	30	29.33	2730	1.8					
	37	59	25	24.07	2550	2.2					
	45	49	20	20.21	2410	2.0					
	60	36	15	14.92	2180	2.2					
	72	30	12.5	12.47	2050	4.3					
	86	26	10	10.47	1930	3.9					
	116	19	7.5	7.73	1750	4.2					
	9.3	232	300	302.50	4650	0.86	KM0633	MV6322	KM0633	63B5	6322
	11.5	187	250	243.57	4330	1.1					
	14.3	151	200	196.43	4030	1.2					
	18.5	116	150	151.56	3690	1.7					
	23	94	125	122.22	3440	1.9					
	28	78	100	101.27	3230	1.9					
	38	56	75	73.33	2900	2.0					
	44	49	60	63.33	2760	3.7					
	53	40	50	52.48	2590	3.7					
	9.2	233	150	151.56	4650	0.86	KM0633	MV6334	KM0633	71B5/B14	7114
	11.5	188	125	122.22	4330	0.96					
	13.8	155	100	101.27	4070	0.97					
	19.1	113	75	73.33	3650	1.0					
	22	97	60	63.33	3480	1.9					
	27	81	50	52.48	3270	1.9					
	23	95	60	60.50	3430	2.1	KM0632	MV6334	KM0632	71B5/B14	7114
	29	76	50	48.71	3190	2.6					
	36	62	40	39.29	2970	2.9					
	46	48	30	30.31	2720	4.2					
	14.2	151	60	63.33	4030	1.2	KM0633	MV7126	KM0633	71B5/B14	7126
	17.1	125	50	52.48	3790	1.2					

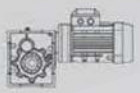
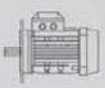
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.25	14.9	148	60	60.50	3970	1.4	KM0632 MV7126	KM0632 71B5/B14	7126
	18.5	119	50	48.71	3690	1.7			
	23	96	40	39.29	3440	1.9			
	30	74	30	30.31	3150	2.7			
	37	60	25	24.44	2930	3.0			
	44	49	20	20.25	2760	3.0			
	61	36	15	14.67	2470	3.1			
	9.4	228	300	297.21	6320	1.5	KM0753 MV6322	KM0753 63B5	6322
	11.6	185	250	240.89	5890	1.9			
	14.0	154	200	200.66	5540	1.9			
	18.5	116	150	151.20	5040	3.0			
	22	97	125	125.95	4750	3.1			
	28	76	100	99.22	4380	3.2			
	37	58	75	75.45	4000	3.5			
	5.8	370	250	240.89	6500	0.95	KM0753 MV6334	KM0753 71B5/B14	7114
	7.0	308	200	200.66	6500	1.0			
	9.3	232	150	151.20	6500	1.5			
	11.1	193	125	125.95	5980	1.6			
	14.1	152	100	99.22	5520	1.6			
	18.6	116	75	75.45	5040	1.7			
	22	96	60	62.43	4730	3.1			
	28	75	50	49.18	4370	3.2			
	24	93	60	59.44	4660	3.8	KM0752 MV6334	KM0752 71B5/B14	7114
	29	76	50	48.18	4340	4.6			
	6.0	361	150	151.20	6500	0.97	KM0753 MV7126	KM0753 71B5/B14	7126
	7.1	301	125	125.95	6500	1.0			
	9.1	237	100	99.22	6400	1.0			
	11.9	180	75	75.45	5840	1.1			
	14.4	149	60	62.43	5480	2.0			
	18.3	117	50	49.18	5060	2.0			
	15.1	145	60	59.44	5390	2.4	KM0752 MV7126	KM0752 71B5/B14	7126
	18.7	118	50	48.18	5030	3.0			
	22	98	40	40.13	4730	3.1			
	9.5	227	300	295.18	7990	2.2	KM0903 MV6322	KM0903 63B5	6322
	11.6	185	250	240.89	7470	2.7			
	14.0	154	200	200.66	7030	3.1			
	18.5	116	150	151.20	6390	4.3			
	4.7	453	300	295.18	8300	1.1	KM0903 MV6334	KM0903 71B5/B14	7114
	5.8	370	250	240.89	8300	1.4			
	7.0	308	200	200.66	8300	1.6			

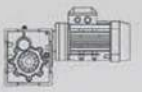
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.25	9.3	232	150	151.20	8050	2.2	KM0903 MV6334	KM0903 71B5/B14	7114
	11.1	193	125	125.95	7580	2.5			
	14.1	152	100	99.22	7000	2.5			
	18.6	116	75	75.45	6390	2.6			
	22	96	60	62.43	6000	5.0			
	28	75	50	49.18	5540	5.0			
	3.0	705	300	295.18	8300	0.71	KM0903 MV7126	KM0903 71B5/B14	7126
	3.7	575	250	240.89	8300	0.9			
	4.5	479	200	200.66	8300	1.0			
	6.0	361	150	151.20	8300	1.4			
	7.1	301	125	125.95	8300	1.6			
	9.1	237	100	99.22	8110	1.6			
	11.9	180	75	75.45	7400	1.7			
	14.4	149	60	62.43	6950	3.2			
	18.3	117	50	49.18	6420	3.2			
	15.2	144	60	59.04	6820	3.5	KM0902 MV7126	KM0902 71B5/B14	7126
	18.7	118	50	48.18	6370	4.3			
	4.7	454	300	296.10	10000	1.7	KM1103 MV6334	KM1103 71B5/B14	7114
	5.7	375	250	244.29	10000	2.0			
	6.8	317	200	206.29	9920	2.4			
	9.1	235	150	153.33	8980	3.2			
	10.8	199	125	129.48	8490	3.8			
	13.5	159	100	103.64	7880	4.1			
	3.0	707	300	296.10	10000	1.1	KM1103 MV7126	KM1103 71B5/B14	7126
	3.7	583	250	244.29	10000	1.3			
	4.4	493	200	206.29	10000	1.5			
	5.9	366	150	153.33	10000	2.0			
	7.0	309	125	129.48	9840	2.4			
	8.7	247	100	103.64	9130	2.6			
	11.9	180	75	75.55	8220	2.9			
0.37	23	137	125	120.34	2990	0.95	KM0503 MV6332	KM0503 71B5/B14	7112
	28	115	100	101.04	2820	0.87			
	38	85	75	74.62	2550	0.94			
	45	71	60	62.36	2400	1.8			
	53	59	50	52.36	2270	1.7			
	24	136	60	58.36	2960	0.96	KM0502 MV7124	KM0502 71B5/B14	7124
	29	113	50	48.86	2790	1.1			
	35	93	40	40.09	2610	1.4			
	48	68	30	29.33	2350	1.9			
	58	56	25	24.07	2200	2.3			

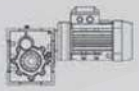
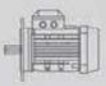
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
0.37	69	47	20	20.21	2080	2.1	KM0502	MV7124	KM0502	71B5/B14	7124
	94	35	15	14.92	1880	2.3					
	112	29	12.5	12.47	1770	4.5					
	134	24	10	10.47	1670	4.1					
	181	17.9	7.5	7.73	1510	4.5					
	22	145	40	40.09	3030	0.9	KM0502	MV8016	KM0502	80B5/B14	8016
	31	106	30	29.33	2730	1.2					
	37	87	25	24.07	2550	1.5					
	45	73	20	20.21	2410	1.4					
	60	54	15	14.92	2180	1.5					
	72	45	12.5	12.47	2050	2.9					
	86	38	10	10.47	1930	2.6					
	116	28	7.5	7.73	1750	2.9					
	18.5	172	150	151.56	3690	1.2	KM0633	MV6332	KM0633	71B5/B14	7112
	23	139	125	122.22	3440	1.3					
	28	115	100	101.27	3230	1.3					
	38	83	75	73.33	2900	1.3					
	44	72	60	63.33	2760	2.5					
	53	60	50	52.48	2590	2.5					
	22	144	60	63.33	3480	1.3	KM0633	MV7124	KM0633	71B5/B14	7124
	27	119	50	52.48	3270	1.3					
	23	140	60	60.50	3430	1.4	KM0632	MV7124	KM0632	71B5/B14	7124
	29	113	50	48.71	3190	1.8					
	36	91	40	39.29	2970	2.0					
	46	70	30	30.31	2720	2.8					
	57	57	25	24.44	2530	3.2					
	69	47	20	20.25	2380	3.2					
	95	34	15	14.67	2130	3.2					
	14.9	219	60	60.50	3970	0.92	KM0632	MV8016	KM0632	80B5/B14	8016
	18.5	176	50	48.71	3690	1.1					
	23	142	40	39.29	3440	1.3					
	30	109	30	30.31	3150	1.8					
	37	88	25	24.44	2930	2.0					
	44	73	20	20.25	2760	2.1					
	61	53	15	14.67	2470	2.1					
	71	46	12.5	12.67	2360	3.9					
	86	38	10	10.50	2210	4.0					
	118	27	7.5	7.60	1990	4.0					
	9.4	338	300	297.21	6320	1.0	KM0753	MV6332	KM0753	71B5/B14	7112
	11.6	274	250	240.89	5890	1.3					

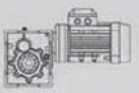
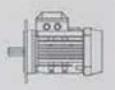
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.37	14.0	228	200	200.66	5540	1.3	KM0753 MV6332	KM0753 71B5/B14	7112
	18.5	172	150	151.20	5040	2.0			
	22	143	125	125.95	4750	2.1			
	28	113	100	99.22	4380	2.1			
	37	86	75	75.45	4000	2.3			
	45	71	60	62.43	3750	4.2			
	57	56	50	49.18	3470	4.3			
	9.3	343	150	151.20	6500	1.0	KM0753 MV7124	KM0753 71B5/B14	7124
	11.1	286	125	125.95	5980	1.0			
	14.1	225	100	99.22	5520	1.1			
	18.6	171	75	75.45	5040	1.2			
	22	142	60	62.43	4730	2.1			
	28	112	50	49.18	4370	2.1			
	24	138	60	59.44	4660	2.5	KM0752 MV7124	KM0752 71B5/B14	7124
	29	112	50	48.18	4340	3.1			
	35	93	40	40.13	4080	3.2			
	14.4	221	60	62.43	5480	1.4	KM0753 MV8016	KM0753 80B5/B14	8016
	18.3	174	50	49.18	5060	1.4			
	15.1	215	60	59.44	5390	1.6	KM0752 MV8016	KM0752 80B5/B14	8016
	18.7	174	50	48.18	5030	2.0			
	22	145	40	40.13	4730	2.1			
	30	109	30	30.24	4310	3.2			
	36	91	25	25.19	4050	3.3			
	45	72	20	19.84	3740	3.3			
	60	55	15	15.09	3410	3.7			
	9.5	335	300	295.18	7990	1.5	KM0903 MV6332	KM0903 71B5/B14	7112
	11.6	274	250	240.89	7470	1.8			
	14.0	228	200	200.66	7030	2.1			
	18.5	172	150	151.20	6390	2.9			
	22	143	125	125.95	6010	3.4			
	28	113	100	99.22	5550	3.4			
	37	86	75	75.45	5070	3.5			
	4.7	671	300	295.18	8300	0.75	KM0903 MV7124	KM0903 71B5/B14	7124
	5.8	547	250	240.89	8300	0.91			
	7.0	456	200	200.66	8300	1.1			
	9.3	343	150	151.20	8050	1.5			
	11.1	286	125	125.95	7580	1.7			
	14.1	225	100	99.22	7000	1.7			
	18.6	171	75	75.45	6390	1.8			
	22	142	60	62.43	6000	3.4			

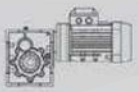
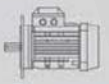
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
0.37	28	112	50	49.18	5540	3.4	KM0903	MV7124	KM0903	71B5/B14	7124
	24	137	60	59.04	5890	3.6	KM0902	MV7124	KM0902	71B5/B14	7124
	29	112	50	48.18	5500	4.5					
	6.0	534	150	151.20	8300	0.94	KM0903	MV8016	KM0903	80B5/B14	8016
	7.1	445	125	125.95	8300	1.1					
	9.1	351	100	99.22	8110	1.1					
	11.9	267	75	75.45	7400	1.1					
	14.4	221	60	62.43	6950	2.2					
	18.3	174	50	49.18	6420	2.2					
	15.2	213	60	59.04	6820	2.3	KM0902	MV8016	KM0902	80B5/B14	8016
	18.7	174	50	48.18	6370	2.9					
	22	145	40	40.13	6000	3.3					
	9.5	336	300	296.10	8880	2.2	KM1103	MV6332	KM1103	71B5/B14	7112
	11.5	277	250	244.29	8330	2.7					
	13.6	234	200	206.29	7870	3.2					
	18.3	174	150	153.33	7130	4.3					
	4.7	673	300	296.10	10000	1.1	KM1103	MV7124	KM1103	71B5/B14	7124
	5.7	555	250	244.29	10000	1.4					
	6.8	469	200	206.29	9920	1.6					
	9.1	348	150	153.33	8980	2.2					
	10.8	294	125	129.48	8490	2.5					
	13.5	235	100	103.64	7880	2.8					
	18.5	172	75	75.55	7090	3.0					
	4.4	729	200	206.29	10000	1.0	KM1103	MV8016	KM1103	80B5/B14	8016
	5.9	542	150	153.33	10000	1.4					
	7.0	458	125	129.48	9840	1.6					
	8.7	366	100	103.64	9130	1.8					
	11.9	267	75	75.55	8220	1.9					
	14.0	227	60	64.18	7780	3.3					
	17.5	182	50	51.37	7230	3.6					
	15.2	214	60	59.22	7580	3.5	KM1102	MV8016	KM1102	80B5/B14	8016
	18.4	176	50	48.86	7110	4.2					
0.55	45	105	60	62.36	2400	1.2	KM0503	MV7122	KM0503	71B5/B14	7122
	53	88	50	52.36	2270	1.1					
	35	138	40	40.09	2610	0.94	KM0502	MV8014	KM0502	80B5/B14	8014
	48	101	30	29.33	2350	1.3					
	58	83	25	24.07	2200	1.6					
	69	70	20	20.21	2080	1.4					
	94	51	15	14.92	1880	1.6					
	112	43	12.5	12.47	1770	3.0					

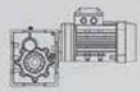
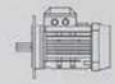
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
0.55	134	36	10	10.47	1670	2.8	KM0502	MV8014	KM0502	80B5/B14	8014
	181	27	7.5	7.73	1510	3.0					
	37	129	25	24.07	2550	1.0	KM0502	MV8026	KM0502	80B5/B14	8026
	45	109	20	20.21	2410	0.92					
	60	80	15	14.92	2180	1.0					
	72	67	12.5	12.47	2050	1.9					
	86	56	10	10.47	1930	1.8					
	116	42	7.5	7.73	1750	1.9					
	23	206	125	122.22	3440	0.87	KM0633	MV7122	KM0633	71B5/B14	7122
	28	171	100	101.27	3230	0.88					
	38	124	75	73.33	2900	0.9					
	44	107	60	63.33	2760	1.7					
	53	89	50	52.48	2590	1.7					
	23	209	60	60.50	3430	0.96	KM0632	MV8014	KM0632	80B5/B14	8014
	29	168	50	48.71	3190	1.2					
	36	136	40	39.29	2970	1.3					
	46	105	30	30.31	2720	1.9					
	57	84	25	24.44	2530	2.1					
	69	70	20	20.25	2380	2.1					
	95	51	15	14.67	2130	2.2					
	110	44	12.5	12.67	2030	4.1					
	133	36	10	10.50	1910	4.1					
	184	26	7.5	7.60	1710	4.2					
	23	216	40	39.29	3440	0.85	KM0632	MV8026	KM0632	80B5/B14	8026
	30	163	30	30.31	3150	1.2					
	37	131	25	24.44	2930	1.4					
	44	109	20	20.25	2760	1.4					
	61	79	15	14.67	2470	4.4					
	71	68	12.54	12.67	2360	2.6					
	86	56	10	10.50	2210	2.7					
	118	41	7.5	7.60	1990	2.7					
	11.6	407	250	240.89	5890	0.86	KM0753	MV7122	KM0753	71B5/B14	7122
	14.0	339	200	200.66	5540	0.9					
	18.5	255	150	151.20	5040	1.4					
	22	213	125	125.95	4750	1.4					
	28	168	100	99.22	4380	1.4					
	37	127	75	75.45	4000	1.6					
	45	105	60	62.43	3750	2.8					
	57	83	50	49.18	3470	2.9					
	18.6	255	75	75.45	5040	0.8	KM0753	MV8014	KM0753	80B5/B14	8014

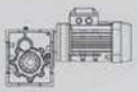
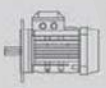
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
0.55	22	211	60	62.43	4730	1.4	KM0753	MV8014	KM0753	80B5/B14	8014
	28	166	50	49.18	4370	1.4					
	24	205	60	59.44	4660	1.7	KM0752	MV8014	KM0752	80B5/B14	8014
	29	166	50	48.18	4340	2.1					
	35	139	40	40.13	4080	2.2					
	46	104	30	30.24	3720	3.4					
	56	87	25	25.19	3500	3.5					
	71	68	20	19.84	3230	3.5					
	93	52	15	15.09	2950	3.8					
	14.4	328	60	62.43	5480	0.91	KM0753	MV8026	KM0753	80B5/B14	8026
	18.3	258	50	49.18	5060	0.93					
	15.1	319	60	59.44	5390	1.1	KM0752	MV8026	KM0752	80B5/B14	8026
	18.7	259	50	48.18	5030	1.4					
	22	215	40	40.13	4730	1.4					
	30	162	30	30.24	4310	2.2					
	36	135	25	25.19	4050	2.2					
	45	107	20	19.84	3740	2.3					
	60	81	15	15.09	3410	2.5					
	9.5	498	300	295.18	7990	1.0	KM0903	MV7122	KM0903	71B5/B14	7122
	11.6	407	250	240.89	7470	1.2					
	14.0	339	200	200.66	7030	1.4					
	18.5	255	150	151.20	6390	2.0					
	22	213	125	125.95	6010	2.3					
	28	168	100	99.22	5550	2.3					
	37	127	75	75.45	5070	2.4					
	45	105	60	62.43	4760	4.6					
	57	83	50	49.18	4390	4.6					
	9.3	511	150	151.20	8050	1.0	KM0903	MV8014	KM0903	80B5/B14	8014
	11.1	425	125	125.95	7580	1.1					
	14.1	335	100	99.22	7000	1.1					
	18.6	255	75	75.45	6390	1.2					
	22	211	60	62.43	6000	2.3					
	28	166	50	49.18	5540	2.3					
	24	204	60	59.04	5890	2.5	KM0902	MV8014	KM0902	80B5/B14	8014
	29	166	50	48.18	5500	3.0					
	35	139	40	40.13	5170	3.5					
	46	104	30	30.24	4710	4.8					
	14.4	328	60	62.43	6950	1.5	KM0903	MV8026	KM0903	80B5/B14	8026
	18.3	258	50	49.18	6420	1.5					
	15.2	317	60	59.04	6820	1.6	KM0902	MV8026	KM0902	80B5/B14	8026

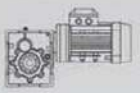
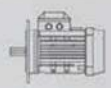
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.55	18.7	259	50	48.18	6370	1.9	KM0902 MV8026	KM0902 80B5/B14	8026
	22	215	40	40.13	6000	2.2			
	30	162	30	30.24	5460	3.1			
	36	135	25	25.19	5130	3.5			
	45	107	20	19.84	4740	3.6			
	60	81	15	15.09	4330	3.7			
	9.5	500	300	296.10	8880	1.5	KM1103 MV7122	KM1103 71B5/B14	7122
	11.5	412	250	244.29	8330	1.8			
	13.6	348	200	206.29	7870	2.2			
	18.3	259	150	153.33	7130	2.9			
	22	219	125	129.48	6740	3.4			
	27	175	100	103.64	6260	3.7			
	37	128	75	75.55	5630	4.1			
	5.7	825	250	244.29	10000	0.91	KM1103 MV8014	KM1103 80B5/B14	8014
	6.8	697	200	206.29	9920	1.1			
	9.1	518	150	153.33	8980	1.4			
	10.8	437	125	129.48	8490	1.7			
	13.5	350	100	103.64	7880	1.9			
	18.5	255	75	75.55	7090	2.0			
	22	217	60	64.18	6720	3.5			
	27	173	50	51.37	6240	3.7			
	24	204	60	59.22	6540	3.7	KM1102 MV8014	KM1102 80B5/B14	8014
	29	169	50	48.86	6130	4.4			
	5.9	805	150	153.33	10000	0.93	KM1103 MV8026	KM1103 80B5/B14	8026
	7.0	680	125	129.48	9840	1.1			
	8.7	544	100	103.64	9130	1.2			
	11.9	397	75	75.55	8220	1.3			
	14.0	337	60	64.18	7780	2.2			
	17.5	270	50	51.37	7230	2.4			
	15.2	318	60	59.22	7580	2.4	KM1102 MV8026	KM1102 80B5/B14	8026
	18.4	262	50	48.86	7110	2.9			
	22	222	40	41.26	6720	3.4			
	29	165	30	30.67	6090	4.6			
0.75	48	138	30	29.33	2350	0.94	KM0502 MV8024	KM0502 80B5/B14	8024
	58	113	25	24.07	2200	1.1			
	69	95	20	20.21	2080	1.1			
	94	70	15	14.92	1880	1.1			
	112	59	12.5	12.47	1770	2.2			
	134	49	10	10.47	1670	2.0			
	181	36	7.5	7.73	1510	2.2			

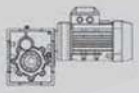
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.75	72	91	12.5	12.47	2050	1.4	KM0502 MV90S6	KM0502 90B5/B14	90S6
	86	77	10	10.47	1930	1.3			
	116	57	7.5	7.73	1750	1.4			
	44	146	60	63.33	2760	1.2	KM0633 MV8012	KM0633 80B5/B14	8012
	53	121	50	52.48	2590	1.2			
	29	229	50	48.71	3190	0.87	KM0632 MV8024	KM0632 80B5/B14	8024
	36	185	40	39.29	2970	0.97			
	46	143	30	30.31	2720	1.4			
	57	115	25	24.44	2530	1.6			
	69	95	20	20.25	2380	1.6			
	95	69	15	14.67	2130	1.6			
	110	60	12.5	12.67	2030	3.0			
	133	49	10	10.50	1910	3.0			
	184	36	7.5	7.60	1710	3.1			
	30	222	30	30.31	3150	0.9	KM0632 MV90S6	KM0632 90B5/B14	90S6
	37	179	25	24.44	2930	1.0			
	44	148	20	20.25	2760	1.0			
	61	107	15	14.67	2470	1.0			
	71	93	12.5	12.67	2360	1.9			
	86	77	10	10.50	2210	2.0			
	118	56	7.5	7.60	1990	2.0			
	18.5	348	150	151.20	5040	1.0	KM0753 MV8012	KM0753 80B5/B14	8012
	22	290	125	125.95	4750	1.0			
	28	228	100	99.22	4380	1.1			
	37	174	75	75.45	4000	1.2			
	45	144	60	62.43	3750	2.1			
	57	113	50	49.18	3470	2.1			
	22	287	60	62.43	4730	1.0	KM0753 MV8024	KM0753 80B5/B14	8024
	28	226	50	49.18	4370	1.1			
	24	280	60	59.44	4660	1.3	KM0752 MV8024	KM0752 80B5/B14	8024
	29	227	50	48.18	4340	1.5			
	35	189	40	40.13	4080	1.6			
	46	142	30	30.24	3720	2.5			
	56	119	25	25.19	3500	2.5			
	71	93	20	19.84	3230	2.6			
	93	71	15	15.09	2950	2.8			
	18.7	353	50	48.18	5030	1.0	KM0752 MV90S6	KM0752 90B5/B14	90S6
	22	294	40	40.13	4730	1.0			
	30	221	30	30.24	4310	1.6			
	36	184	25	25.19	4050	1.6			

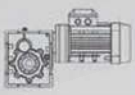
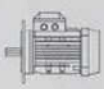
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
0.75	45	145	20	19.84	3740	1.7	KM0752 MV90S6	KM0752 90B5/B14	90S6
	60	110	15	15.09	3410	1.8			
	72	91	12.5	12.49	3210	3.3			
	91	72	10	9.84	2960	3.3			
	120	55	7.5	7.48	2700	3.7			
	11.6	555	250	240.89	7470	0.9	KM0903 MV8012	KM0903 80B5/B14	8012
	14.0	462	200	200.66	7030	1.0			
	18.5	348	150	151.20	6390	1.4			
	22	290	125	125.95	6010	1.7			
	28	228	100	99.22	5550	1.7			
	37	174	75	75.45	5070	1.7			
	45	144	60	62.43	4760	3.3			
	57	113	50	49.18	4390	3.4			
	11.1	580	125	125.95	7580	0.83	KM0903 MV8024	KM0903 80B5/B14	8024
	14.1	457	100	99.22	7000	0.83			
	18.6	247	75	75.45	6390	0.86			
	22	287	60	62.43	6000	1.7			
	28	226	50	49.18	5540	1.7			
	24	278	60	59.04	5890	1.8	KM0902 MV8024	KM0902 80B5/B14	8024
	29	227	50	48.18	5500	2.2			
	35	189	40	40.13	5170	2.5			
	46	142	30	30.24	4710	3.5			
	56	119	25	25.19	4430	4.0			
	71	93	20	19.84	4090	4.1			
	93	71	15	15.09	3730	4.2			
	14.4	447	60	62.43	6950	1.1	KM0903 MV90S6	KM0903 90B5/B14	90S6
	18.3	352	50	49.18	6420	1.1			
	15.2	432	60	59.04	6820	1.2	KM0902 MV90S6	KM0902 90B5/B14	90S6
	18.7	353	50	48.18	6370	1.4			
	22	294	40	40.13	6000	1.6			
	30	221	30	30.24	5460	2.3			
	36	184	25	25.19	5130	2.6			
	45	145	20	19.84	4740	2.6			
	60	110	15	15.09	4330	2.7			
	9.5	682	300	296.10	8880	1.1	KM1103 MV8012	KM1103 80B5/B14	8012
	11.5	562	250	244.29	8330	1.3			
	13.6	475	200	206.29	7870	1.6			
	18.3	353	150	153.33	7130	2.1			
	22	298	125	129.48	6740	2.5			
	27	239	100	103.64	6260	2.7			

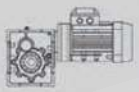
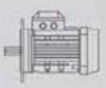
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
0.75	37	174	75	75.55	5630	3.0	KM1103	Mv8012	KM1103	80B5/B14	8012
	9.1	706	150	153.33	8980	1.1	KM1103	MV8024	KM1103	80B5/B14	8024
	10.8	596	125	129.48	8490	1.3					
	13.5	477	100	103.64	7880	1.4					
	18.5	348	75	75.55	7090	1.5					
	22	296	60	64.18	6720	2.5					
	27	237	50	51.37	6240	2.7					
	24	279	60	59.22	6540	2.7	KM1102	MV8024	KM1102	80B5/B14	8024
	29	230	50	48.86	6130	3.3					
	34	194	40	41.26	5800	3.9					
	8.7	742	100	103.64	9130	0.88	KM1103	MV90S6	KM1103	90B5/B14	90S6
	11.9	541	75	75.55	8220	0.96					
	14.0	460	60	64.18	7780	1.6					
	17.5	368	50	51.37	7230	1.8					
	15.2	434	60	59.22	7580	1.7	KM1102	MV90S6	KM1102	90B5/B14	90S6
	18.4	358	50	48.86	7110	2.1					
	22	302	40	41.26	6720	2.5					
	29	225	30	30.67	6090	3.3					
	35	190	25	25.90	5750	4.0					
	43	152	20	20.73	5340	4.3					
1.1	112	86	12.5	12.47	1770	1.5	KM0502	MV90S4	KM0502	90B5/B14	90S4
	134	72	10	10.47	1670	1.4					
	181	53	7.5	7.73	1510	1.5					
	72	134	12.5	12.47	2050	0.97	KM0502	MV90L6	KM0502	90B5/B14	90L6
	86	112	10	10.47	1930	0.89					
	116	83	7.5	7.73	1750	0.96					
	46	209	30	30.31	2720	0.96	KM0632	MV90S4	KM0632	90B5/B14	90S4
	57	169	25	24.44	2530	1.1					
	69	140	20	20.25	2380	1.1					
	95	101	15	14.67	2130	1.1					
	110	87	12.5	12.67	2030	2.1					
	133	72	10	10.50	1910	2.1					
	184	52	7.5	7.60	1710	2.1					
	71	136	12.5	12.67	2360	1.3	KM0632	MV90L6	KM0632	90B5/B14	90L6
	86	113	10	10.50	2210	1.3					
	118	82	7.5	7.60	1990	1.3					
	45	211	60	62.43	3750	1.4	KM0753	Mv8022	KM0753	80B5/B14	8022
	57	166	50	49.18	3470	1.4					
	24	410	60	59.44	4660	0.85	KM0752	MV90S4	KM0752	90B5/B14	90S4
	29	333	50	48.18	4340	1.1					

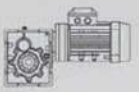
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
1.1	35	277	40	40.13	4080	1.1	KM0752 MV90S4	KM0752 90B5/B14	90S4
	46	209	30	30.24	3720	1.7			
	56	174	25	25.19	3500	1.7			
	71	137	20	19.84	3230	1.8			
	93	104	15	15.09	2950	1.9			
	112	86	12.5	12.49	2770	3.5			
	142	68	10	9.84	2550	3.5			
	187	52	7.5	7.48	2330	3.9			
	30	325	30	30.24	4310	1.1	KM0752 MV90L6	KM0752 90B5/B14	90L6
	36	271	25	25.19	4050	1.1			
	45	213	10	19.84	3740	1.1			
	60	162	15	15.09	3410	1.2			
	72	134	12.5	12.49	3210	2.2			
	91	106	10	9.84	2960	2.3			
	120	80	7.5	7.48	2700	2.5			
	18.5	511	150	151.20	6390	1.0	KM0903 MV8022	KM0903 80B5/B14	8022
	22	425	125	125.95	6010	1.1			
	28	335	100	99.22	5550	1.1			
	37	255	75	75.45	5070	1.2			
	45	211	60	62.43	4760	2.3			
	57	166	50	49.18	4390	2.3			
	22	422	60	62.43	6000	1.1	KM0903 MV90S4	KM0903 90B5/B14	90S4
	28	332	50	49.18	5540	1.1			
	24	408	60	59.04	5890	1.2	KM0902 MV90S4	KM0902 90B5/B14	90S4
	29	333	50	48.18	5500	1.5			
	35	277	40	40.13	5170	1.7			
	46	209	30	30.24	4710	2.4			
	56	174	25	25.19	4430	2.8			
	71	137	20	19.84	4090	2.8			
	93	104	15	15.09	3730	2.9			
	15.2	634	60	59.04	6820	0.8	KM0902 MV90L6	KM0902 90B5/B14	90L6
	18.7	517	50	48.18	6370	0.97			
	22	431	40	40.13	6000	1.1			
	30	325	30	30.24	5460	1.5			
	36	271	25	25.19	5130	1.8			
	45	213	20	19.84	4740	1.8			
	60	162	15	15.09	4330	1.9			
	72	134	12.5	12.49	4060	3.6			
	91	106	10	9.84	3750	3.6			
	120	80	7.5	7.48	3420	3.7			

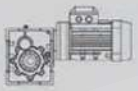
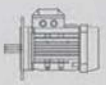
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
1.1	11.5	825	250	244.29	8330	0.91	KM1103	MV8022	KM1103	80B5/B14	8022
	13.6	697	200	206.29	7870	1.1					
	18.3	518	150	153.33	7130	1.4					
	22	437	125	129.48	6740	1.7					
	27	350	100	103.64	6260	1.9					
	37	255	75	75.55	5630	2.0					
	44	217	60	64.18	5330	3.5					
	55	173	50	51.37	4950	3.7					
	10.8	874	125	129.48	8490	0.86	KM1103	MV90S4	KM1103	90B5/B14	90S4
	13.5	700	100	103.64	7880	0.93					
	18.5	510	75	75.55	7090	1.0					
	22	433	60	64.18	6720	1.7					
	27	347	50	51.37	6240	1.9					
	24	409	60	59.22	6540	1.8	KM1102	MV90S4	KM1102	90B5/B14	90S4
	29	337	50	48.86	6130	2.2					
	34	285	40	41.26	5800	2.6					
	46	212	30	30.67	5250	3.5					
	54	179	25	25.90	4960	4.2					
	68	143	20	20.73	4610	4.5					
	14.0	674	60	64.18	7780	1.1	KM1103	MV90L6	KM1103	90B5/B14	90L6
	17.5	540	50	51.37	7230	1.2					
	15.2	636	60	59.22	7580	1.2	KM1102	MV90L6	KM1102	90B5/B14	90L6
	18.4	525	50	48.86	7110	1.4					
	22	443	40	41.26	6720	1.7					
	29	329	30	30.67	6090	2.3					
	35	278	25	25.90	5750	2.7					
	43	223	20	20.73	5340	2.9					
	60	162	15	15.11	4810	3.2					
1.5	112	117	12.5	12.47	1770	1.1	KM0502	MV90L4	KM0502	90B5/B14	90L4
	134	99	10	10.47	1670	1.0					
	181	73	7.5	7.73	1510	1.1					
	57	230	25	24.44	2530	0.8	KM0632	MV90L4	KM0632	90B5/B14	90L4
	69	191	20	20.25	2380	0.8					
	95	138	15	14.67	2130	0.8					
	110	119	12.5	12.67	2030	1.5					
	133	99	10	10.50	1910	1.5					
	184	72	7.5	7.60	1710	1.5					
	45	287	60	62.43	3750	1.0	KM0753	MV90S2	KM0753	90B5/B14	90S2
	57	226	50	49.18	3470	1.1					
	29	454	50	48.18	4340	0.77	KM0752	MV90L4	KM0752	90B5/B14	90L4

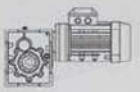
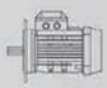
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
1.5	35	378	40	40.13	4080	0.79	KM0752 MV90L4	KM0752 90B5/B14	90L4
	46	285	30	30.24	3720	1.2			
	56	237	25	25.19	3500	1.3			
	71	187	20	19.84	3230	1.3			
	93	142	15	15.09	2950	1.4			
	112	118	12.5	12.49	2770	2.6			
	142	93	10	9.84	2550	2.6			
	187	70	7.5	7.48	2330	2.8			
	45	291	20	19.84	3740	0.83	KM0752 MV100L6	KM0752 100B5/B14	100L6
	60	221	15	15.09	3410	0.91			
	72	183	12.5	12.49	3210	1.6			
	91	144	10	9.84	2960	1.7			
	120	110	7.5	7.48	2700	1.8			
	22	580	125	125.95	6010	0.83	KM0903 MV90S2	KM0903 90B5/B14	90S2
	28	457	100	99.22	5550	0.85			
	37	347	75	75.45	5070	0.86			
	45	287	60	62.43	4760	1.7			
	57	226	50	49.18	4390	1.7			
	24	556	60	59.04	5890	0.9	KM0902 MV90L4	KM0902 90B5/B14	90L4
	29	454	50	48.18	5500	1.1			
	35	378	40	40.13	5170	1.3			
	46	285	30	30.24	4710	1.8			
	56	237	25	25.19	4430	2.0			
	71	187	20	19.84	4090	2.0			
	93	142	15	15.09	3730	2.1			
	112	118	12.5	12.49	3510	4.1			
	142	93	10	9.84	3240	4.1			
	187	70	7.5	7.48	2950	4.3			
	30	443	30	30.24	5460	1.1	KM0902 MV100L6	KM0902 100B5/B14	100L6
	36	369	25	25.19	5130	1.3			
	45	291	20	19.84	4740	1.3			
	60	221	15	15.09	4330	1.4			
	72	183	12.5	12.49	4060	2.6			
	91	144	10	9.84	3750	2.6			
	120	110	7.5	7.48	3420	2.7			
	18.3	706	150	153.33	7130	1.1	KM1103 MV90S2	KM1103 90B5/B14	90S2
	22	596	125	129.48	6740	1.3			
	27	477	100	103.64	6260	1.4			
	37	348	75	75.55	5630	1.5			
	44	296	60	64.18	5330	2.5			

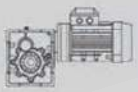
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs					
1.5	55	237	50	51.37	4950	2.7	KM1103	MV90S2	KM1103	90B5/B14	90S2
	22	591	60	64.18	6720	1.3	KM1103	MV90L4	KM1103	90B5/B14	90L4
	27	473	50	51.37	6240	1.4					
	24	557	60	59.22	6540	1.3	KM1102	MV90L4	KM1102	BKM110B	90L4
	29	460	50	48.86	6130	1.6					
	34	388	40	41.26	5800	1.9					
	46	289	30	30.67	5250	2.6					
	54	244	25	25.90	4960	3.1					
	68	195	20	20.73	4610	3.3					
	93	142	15	15.11	4150	3.7					
	15.2	867	60	59.22	7580	0.86	KM1102	MV100L6	KM1102	100B5/B14	100L6
	18.4	715	50	48.86	7110	1.0					
	22	604	40	41.26	6720	1.2					
	29	449	30	30.67	6090	1.7					
	35	379	25	25.90	5750	2.0					
	43	304	20	20.73	5340	2.1					
	60	221	16	15.11	4810	2.4					
	70	188	12.5	12.84	4550	4.0					
	88	150	10	10.27	4220	4.3					
	120	110	7.5	7.49	3800	4.7					
2.2	46	418	30	30.24	3720	0.84	KM0752	MV100L1-4	KM0752	100B5/B14	100L1-4
	56	348	25	25.19	3500	0.86					
	71	274	20	19.84	3230	0.88					
	93	208	15	15.09	2950	0.96					
	112	172	12.5	12.49	2770	1.7					
	142	136	10	9.84	2550	1.8					
	187	103	7.5	7.48	2330	1.9					
	72	268	12.5	12.49	3210	1.1	KM0752	MV112M6	KM0752	112B5/B14	112M6
	91	211	10	9.84	2960	1.1					
	120	161	7.5	7.48	2700	1.2					
	45	422	60	62.43	4760	1.1	KM0903	MV90L2	KM0903	90B5/B14	90L2
	57	332	50	49.18	4390	1.1					
	35	554	40	40.13	5170	0.87	KM0902	MV100L1-4	KM0902	100B5/B14	100L1-4
	46	418	30	30.24	4710	1.2					
	56	348	25	25.19	4430	1.4					
	71	274	20	19.84	4090	1.4					
	93	208	15	15.09	3730	1.4					
	112	172	12.5	12.49	3510	2.8					
	142	136	10	9.84	3240	2.8					
	187	103	7.5	7.48	2950	2.9					

PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
2.2	36	541	25	25.19	5130	0.9	KM0902 MV112M6	KM0902 112B5/B14	112M6
	45	426	20	19.84	4740	0.9			
	60	324	15	15.09	4330	0.93			
	72	268	12.5	12.49	4060	1.8			
	91	211	10	9.84	3750	1.8			
	120	161	7.5	7.48	3420	1.9			
	22	874	125	129.48	6740	0.86	KM1103 MV90L2	KM1103 90B5/B14	90L2
	27	700	100	103.64	6260	0.93			
	37	510	75	75.55	5630	1.0			
	44	433	60	64.18	5330	1.7			
	55	347	50	51.37	4950	1.9			
	24	818	60	59.22	6540	0.92	KM1102 MV100L1-4	KM1102 100B5/B14	100L1-4
	29	675	50	48.86	6130	1.1			
	34	570	40	41.26	5800	1.3			
	46	423	30	30.67	5250	1.8			
	54	358	25	25.90	4960	2.1			
	68	286	20	20.73	4610	2.3			
	93	209	15	15.11	4150	2.5			
	109	177	12.5	12.84	3930	4.2			
	136	142	10	10.27	3650	4.6			
	187	103	7.5	7.49	3280	5.0			
	29	659	30	30.67	6090	1.1	KM1102 MV112M6	KM1102 112B5/B14	112M6
	35	556	25	25.90	5750	1.3			
	43	445	20	20.73	5340	1.5			
	60	325	15	15.11	4810	1.6			
	70	276	12.5	12.84	4550	2.7			
	88	221	10	10.27	4220	2.9			
	120	161	7.5	7.49	3800	3.2			
3.0	112	235	12.5	12.49	2770	1.3	KM0752 MV100L2-4	KM0752 100B5/B14	100L2-4
	142	185	10	9.84	2550	1.3			
	187	141	7.5	7.48	2330	1.4			
	46	569	30	30.24	4710	0.9	KM0902 MV100L2-4	KM0902 100B5/B14	100L2-4
	56	474	25	25.19	4430	1.0			
	71	374	20	19.84	4090	1.0			
	93	284	15	15.09	3730	1.1			
	112	235	12.5	12.49	3510	2.0			
	142	185	10	9.84	3240	2.1			
	187	141	7.5	7.48	2950	2.1			
	44	591	60	64.18	5330	1.3	KM1103 MV100L2	KM1103 100B5/B14	100L2
	55	473	50	51.37	4950	1.4			

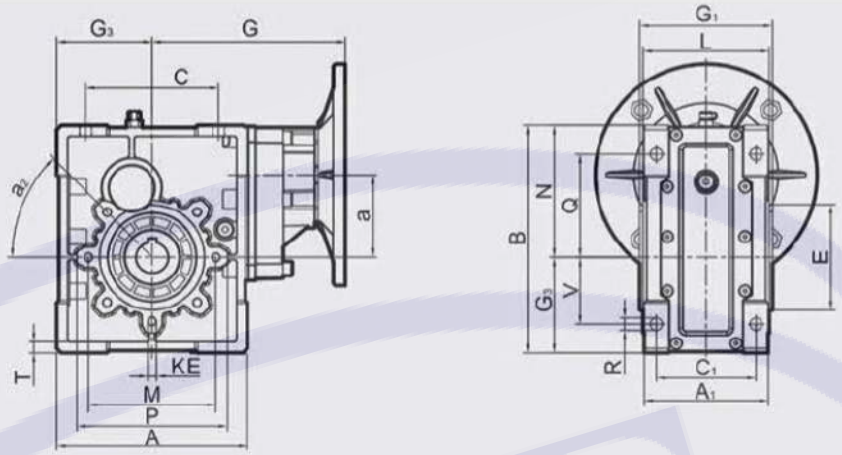
PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	fs			
3.0	34	777	40	41.26	5800	0.97	KM1102 MV100L2-4	KM1102 100B5/B14	100L2-4
	46	577	30	30.67	5250	1.3			
	54	488	25	25.90	4960	1.5			
	68	390	20	20.73	4610	1.7			
	93	284	15	15.11	4150	1.8			
	109	242	12.5	12.84	3930	3.1			
	136	193	10	10.27	3650	3.4			
	187	141	7.5	7.49	3280	3.7			
	35	759	25	25.90	5750	1.0	KM1102 MV132S6	KM1102 132B5	132S6
	43	607	20	20.73	5340	1.1			
	60	443	15	15.11	4810	1.2			
	70	376	12.5	12.84	4550	2.0			
	88	301	10	10.27	4220	2.2			
	120	219	7.5	7.49	3800	2.4			
4.0	112	314	12.5	12.49	2770	0.96	KM0752 MV112M4	KM0752 112B5/B14	112M4
	142	247	10	9.84	2550	1.0			
	187	188	7.5	7.48	2330	1.1			
	112	314	12.5	12.49	3510	1.5	KM0902 MV112M4	KM0902 112B5/B14	112M4
	142	247	10	9.84	3240	1.5			
	187	188	7.5	7.48	2950	1.6			
	46	770	30	30.67	5250	1.0	KM1102 MV112M4	KM1102 112B5/B14	112M4
	54	650	25	25.90	4960	1.2			
	68	520	20	20.73	4610	1.2			
	93	379	15	15.11	4150	1.4			
	109	322	12.5	12.84	3930	2.3			
	136	258	10	10.27	3650	2.5			
	187	188	7.5	7.49	3280	2.8			
5.5	68	716	20	20.73	4610	0.9	KM1102 MV132S4	KM1102 132B5	132S4
	93	522	15	15.11	4150	1.0			
	109	443	12.5	12.84	3930	1.7			
	136	354	10	10.27	3650	1.8			
	187	259	7.5	7.49	3280	2.0			

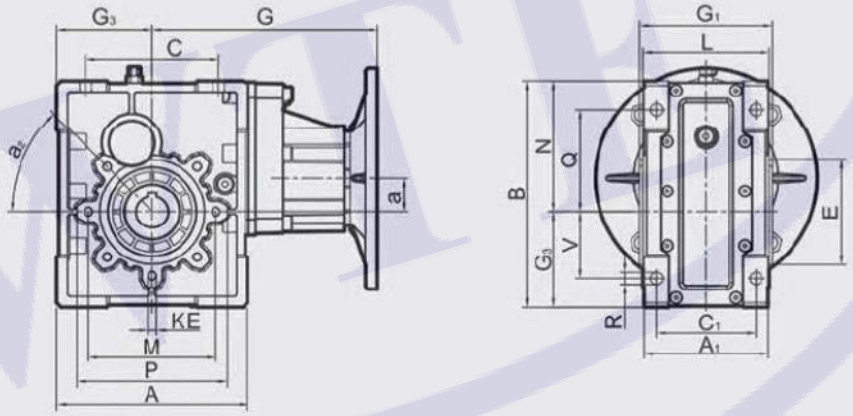
OUTLINE DIMENSION SHEET

Outline Dimension

KM..2..IEC..



KM..3..IEC..

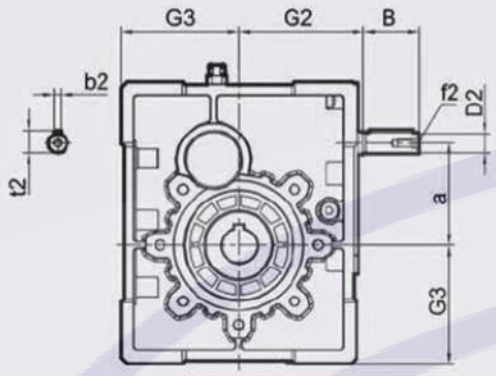


KM	C	A	B	G	G_3	a	C_1	KE	a2	L	G_1	M	E_{h8}	A1	R	P	Q	N	T	V	kg
0502	80	120	155	132.5	60	57	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	7	40	4.5
0503	80	120	155	148	60	21.5	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	7	40	5
0632	100	144	174	143.5	72	64.5	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50	6.3
0633	100	144	174	169	72	29	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50	7
0752	120	172	205	174	86	74.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60	9.9
0753	120	172	205	203	86	30.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60	10.9
0902	140	206	238	192	103	88	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70	13.9
0903	140	206	238	220	103	44	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70	14.9
1102	170	255	295	241.5	127.5	108	115	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85	28
1103	170	255	295	271.5	127.5	52	155	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85	30

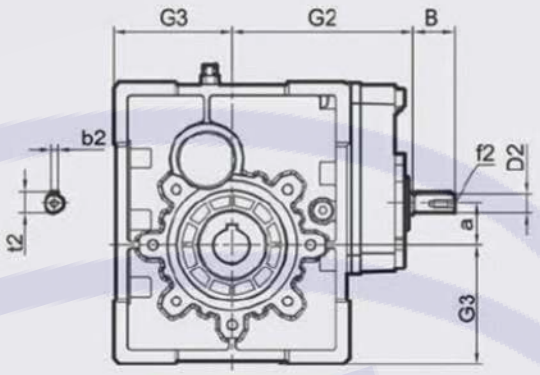
Note:Weight(kg) without the weight of motor.

OUTLINE DIMENSION SHEET

Outline Dimension



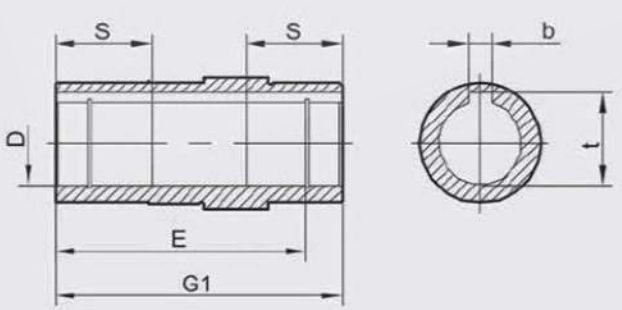
KM..2..HS



KM..3..HS

KM	B	D_{2J6}	G_2	G_3	a	b_2	t_2	f_2
0502	23	11	65	60	57	4	12.5	-
0503	23	11	100	60	21.5	4	12.5	-
0632	30	14	76	72	64.5	5	16	M6
0633	23	11	111	72	29	4	12.5	-
0752	40	16	91	86	74.5	5	18	M6
0753	30	14	132	86	30.5	5	16	M6
0902	40	19	107	103	88	6	21.5	M6
0903	30	14	146	103	44	5	16	M6
1102	50	24	132	127.5	108	8	27	M6
1103	40	19	181	127.5	52	6	21.5	M6

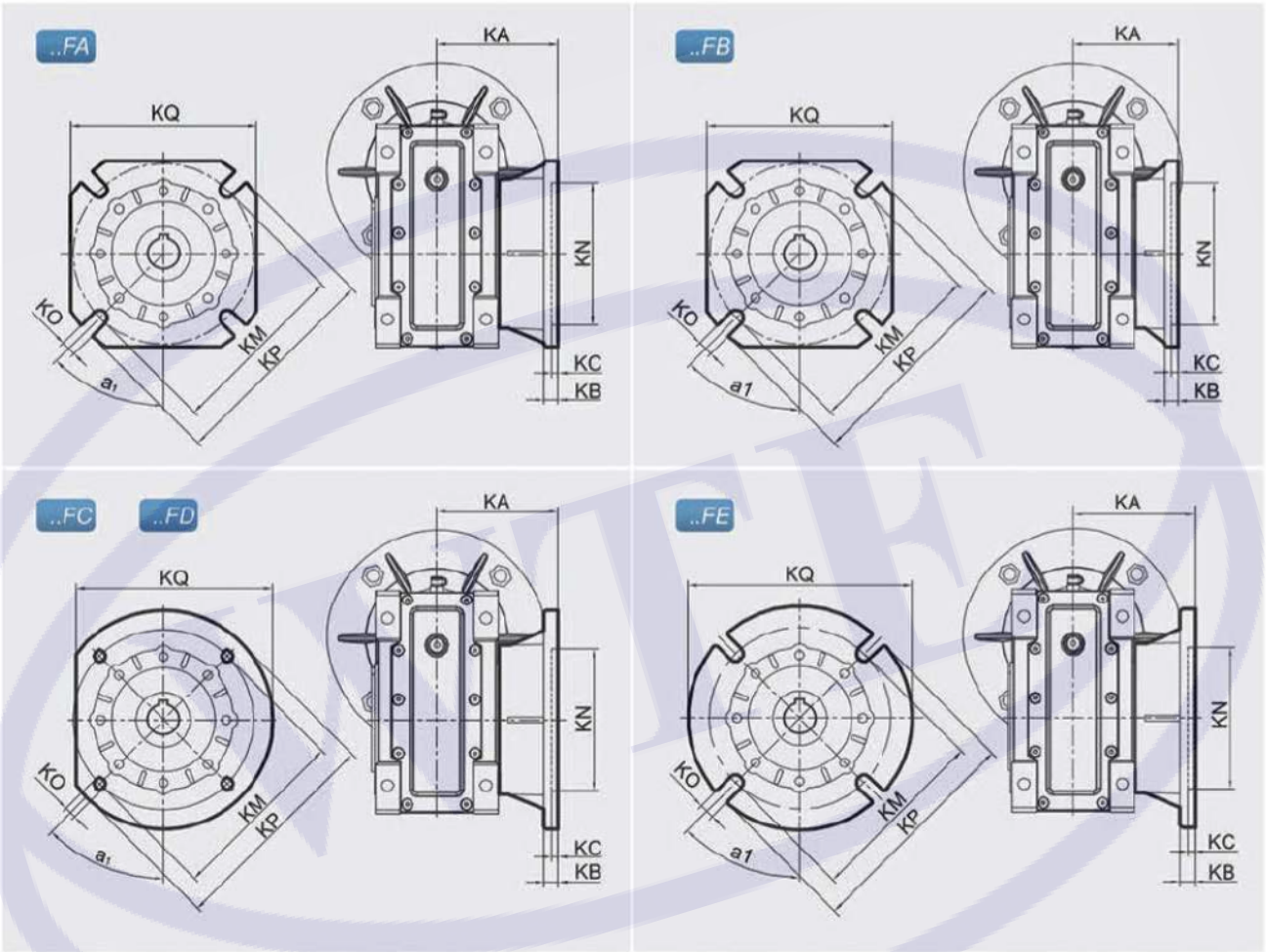
Hollow Output Shaft Dimension



KM	S	E	G1	D_{h8}	b	t
050	30	77	92	20	6	22.8
				24	8	27.3
063	36	97	112	25	8	28.3
				28	8	31.3
075	40	105	120	28	8	31.3
				30	8	33.3
				35	10	38.3
090	45	122	140	35	10	38.3
				38	10	41.3
110	50	131	155	40	12	43.3
				42	12	45.3

CONNECTING DIMENSION SHEET

Output Flage Dimension



KM	FA								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	45°	90	9	5	85	70	11(n=4)	125	110
063	45°	82	10	6	150	115	11(n=4)	180	142
075	45°	111	13	6	165	130	14(n=4)	200	170
090	45°	111	13	6	175	152	14(n=4)	210	200
110	45°	139	15	6	230	170	14(n=8)	280	260

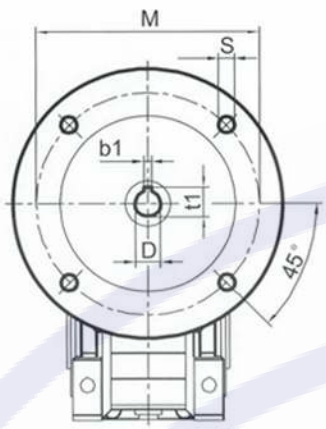
KM	FB								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	45°	120	9	5	85	70	11(n=4)	125	110
063	45°	112	10	6	150	115	11(n=4)	180	142
075	45°	90	13	6	130	110	11(n=4)	160	–
090	45°	122	18	6	215	180	14(n=4)	250	–
110	–	–	–	–	–	–	–	–	–

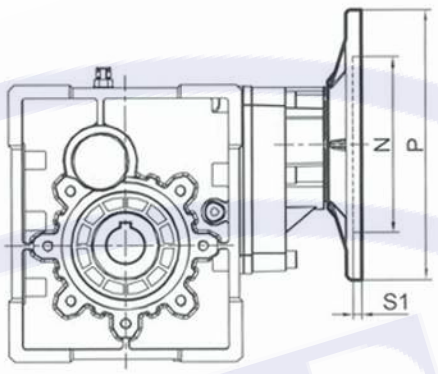
KM	FC								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	45°	89	10	5	130	110	9(n=4)	160	–
063	45°	98	10	5	165	130	11(n=4)	200	–
090	45°	110	17	6	165	130	11(n=4)	200	–

KM	FD								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	45°	72	14.5	5	115	95	11(n=4)	140	–
063	45°	107	10	5	165	130	11(n=4)	200	–
090	45°	151	13	6	175	152	14(n=4)	210	–

KM	FE								
	a1	KA	KB	KC	KM	KN_{H8}	KO	KP	KQ
050	–	–	–	–	–	–	–	–	–
063	45°	80.5	16.5	5	130	110	11(n=4)	160	–
090	–	–	–	–	–	–	–	–	–

CONNECTING DIMENSION SHEET

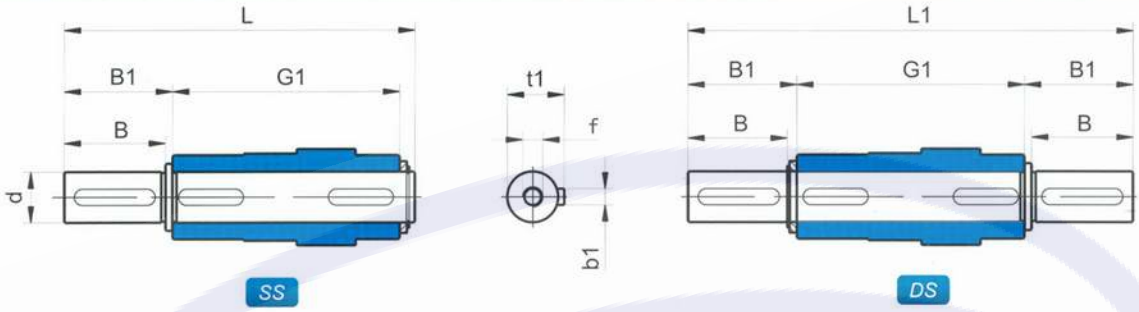




KM	PAM-IEC	N		M		P		S		b1	t1	s1	i(ratio)																	
													7.5	10	12.5	15	20	25	30	40	50	60	50	60	75	100	125	150	200	250	300
													D																	
													B										C							
		B5	B14	B5	B14	B5	B14	B5	B14																					
050	63B5	95	–	115	–	140	–	9	–	4	12.8	5	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	71B5/B14	110	70	130	85	160	105	9	7	5	16.3	5	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	–	–	–	–
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	19	19	19	19	19	19	19	19	19	19	–	–	–	–	–	–	–	–	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	–	–	–	–	–	–	–	–	–	–	–	–
063	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	–	11	11	11	11	11	11	11	11	11	11	11	11	11
	71B5/B14	110	70	130	85	160	105	9	7	5	16.3	5	–	–	–	14	14	14	14	14	14	14	14	14	14	14	14	–	–	–	–
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	19	19	19	19	19	19	19	19	19	19	19	19	–	–	–	–	–	–	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–	–	–	–
075	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	–	–	–	–	–	–	–	11	11	11	11	11	11	11
	71B5	110	–	130	–	160	–	9	7	5	16.3	5	–	–	–	–	–	–	–	14	14	14	14	14	14	14	14	14	14	14	14
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	–	–	–	19	19	19	19	19	19	19	19	19	19	19	19	19	–	–	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–	–
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–	–	–	–
090	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	–	–	–	–	–	–	–	11	11	11	11	11	11	11
	71B5	110	–	130	–	160	–	9	7	5	16.3	5	–	–	–	–	–	–	–	–	14	14	14	14	14	14	14	14	14	14	14
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	–	–	–	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	–	–	–	–
110	71B5	110	–	130	–	160	–	9	7	5	16.3	6	–	–	–	–	–	–	–	–	–	–	–	–	14	14	14	14	14	14	14
	80B5	130	–	165	–	200	–	11	7	6	21.8	6	–	–	–	–	–	–	–	19	19	19	19	19	19	19	19	19	19	19	19
	90B5	130	–	165	–	200	–	11	9	8	27.3	6	–	–	–	24	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	6	28	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	6	28	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–
	132B5	230	–	265	–	300	–	13	–	10	41.3	6	38	38	38	38	38	38	38	38	38	–	–	–	–	–	–	–	–	–	–

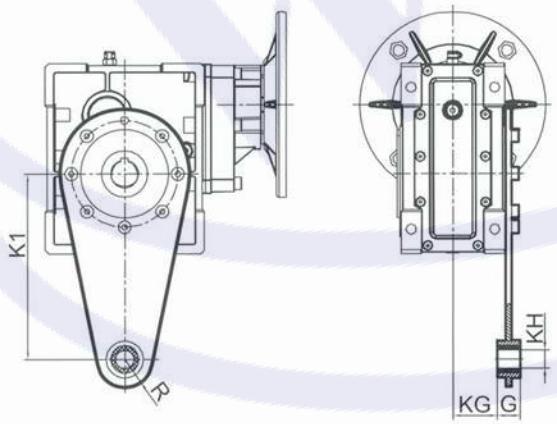
OUTLINE DIMENSION SHEET

Output Shafts



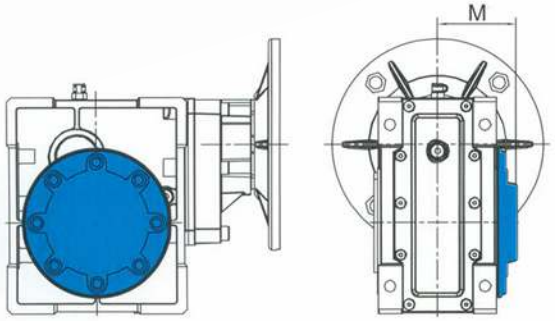
KM	d_{h6}	B	B1	G1	L	L1	f	b1	t1
050	25	50	53.5	92	153	199	M10*27	8	28
063	25	50	53.5	112	173	219	M10*27	8	28
075	28	60	63.5	120	192	247	M10*27	8	31
090	35	80	84.5	140	234	309	M12*34	10	38
110	42	80	84.5	155	249	324	M16*42	12	45

Torque Arm



KM	K1	G	KG	KH	R
050	100	14	38.5	10	18
063	150	14	49	10	18
075	200	25	47.5	20	30
090	200	25	57.5	20	30
110	250	30	62	25	35

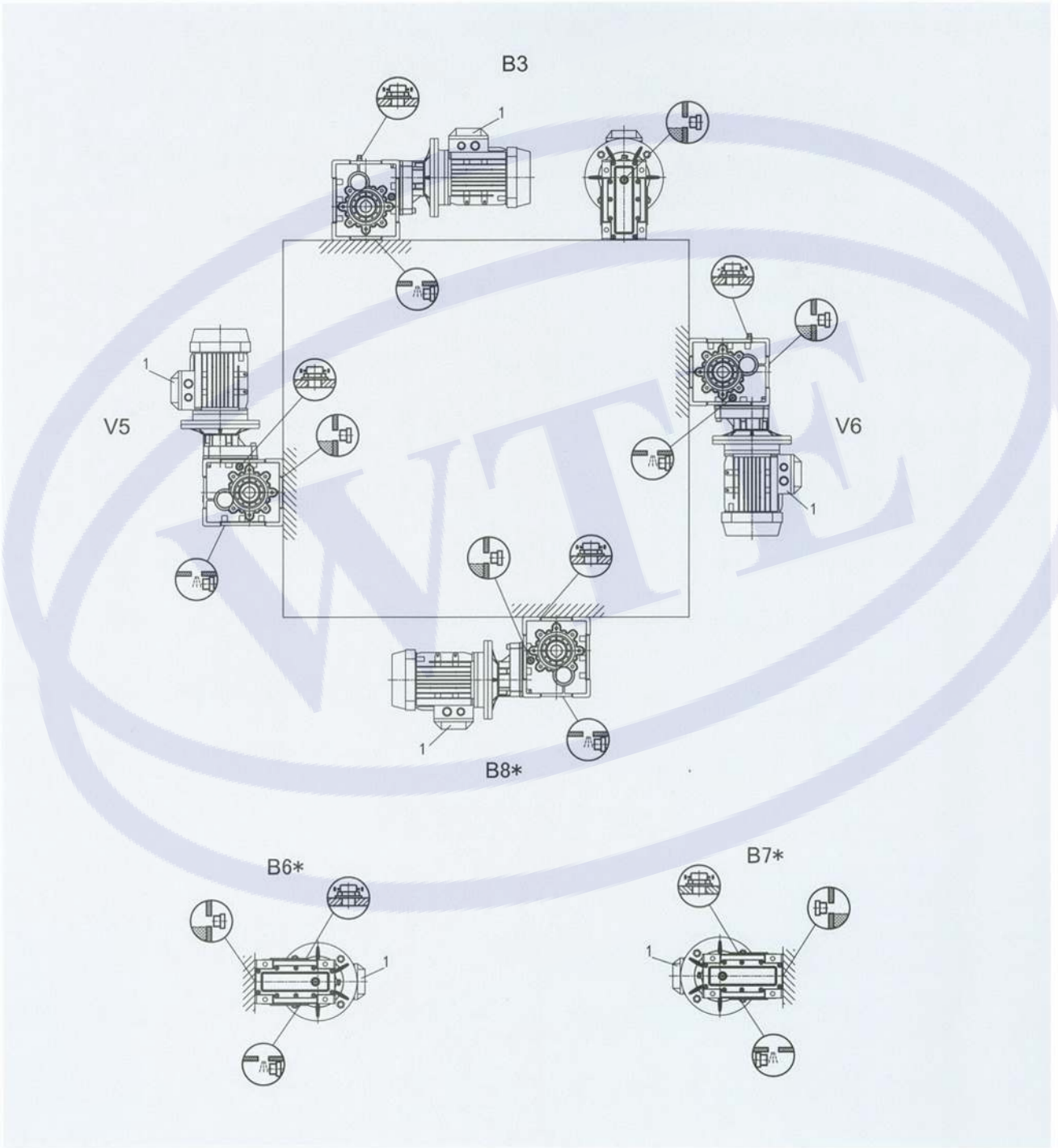
Cover



KM	M
050	58
063	69
075	74
090	86
110	94

INSTALLATION POSITIONS DIAGRAM

Mounting Positions



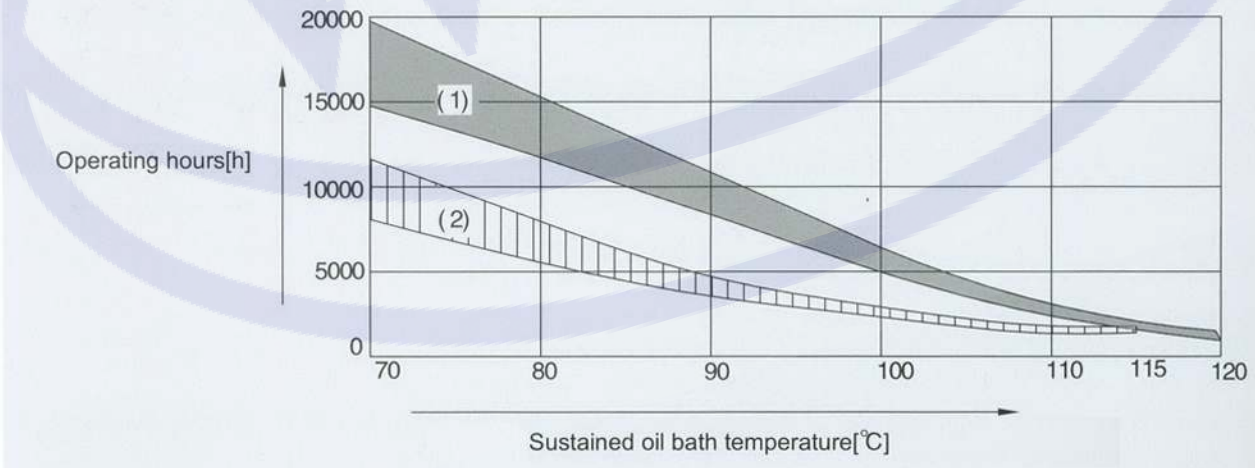
* It means the lubricant can't be added according to the oil level line plug, but also higher the plug to fill quantity as shown in the table.

LUBRICATION

Types of lubrication

	Ambient Tempreatur(℃) ℃ -50 0 50 +100	ISO Viscosity Class	SHELL	AGIP	ESSO	MOBIL	CASTROL	BP	广研	Lubrication type
KM	-10 +40	VG220	Shell Omala 220			Mobil gear 630		BP Energol GX-XP 220		Mineral oil
	-20 +25	VG150 VG100	Shell Omala 100			Mobil gear 627		BP Energol GX-XP 100		
	-30 +10	VG110-46 VG32	Shell Omala T32			Mobil D.T.E.13M				
	-40 -20	VG22 VG15	Shell Omala T15			Mobil D.T.E.11M		BP Energol HLP-HM 15		
	-40 +80	VG220	Shell Omala HD220			Mobil SHC630				Synthetic oil
	-40 +40	VG150	Mobil SHC629			Mobil SHC629				
	-40 +10	VG32	Mobil SHC624			Mobil SHC624				

Oil change intervals for standard gear units under normal environmental conditions



● Average value per oil type at 70℃

（1） Synthetic oil （2） Mineral oil

LUBRICATION

Lubricant fill quantity

Gear units		Fill quantity in liters					
		B3	B6	B7	B8	V5	V6
KM	KM0502	0.22	0.20*	0.13*	0.15	0.25	0.14
	KM0503#	0.08	0.05	0.05	0.06	0.09	0.10
	KM0632	0.42	0.35*	0.24*	0.22	0.46	0.25
	KM0633#	0.07	0.05	0.05	0.06	0.09	0.10
	KM0752	0.70	0.58*	0.42*	0.42	0.75	0.45
	KM0753#	0.15	0.11	0.11	0.11	0.17	0.20
	KM0902	1.21	0.95*	0.72*	0.67	1.30	0.74
	KM0903#	0.15	0.11	0.11	0.11	0.17	0.20
	KM1102	2.15	1.70*	1.10*	1.25	2.20	1.20
	KM1103#	0.25	0.17	0.17	0.20	0.32	0.36

The specified fill quantities are recommended values.The precise values vary depending on the number of stages and gear ratio. When filling,it is essential to check the oil level plug since it indicates the precise oil capacity.

#: Means the oil quantity in the 3rd stage housing,as this one is separated from the 2nd housing,please fill them separately while in 3 stages.

*: It means the lubricat can' t be according to the oil level line plug , but also highter the plug the fill quantity sa shown in the table.

WTEX POWER TRANSMISSION

Hypoid Gear Motor

Worm Gear Motor

Helical Gear Motor

Electromagnetic Brake

WTE

บริษัท วิฑูรย์เอ็นจิเนียริ่ง แอนด์ เทรดดิ้ง จำกัด

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