



TUNYO

KR系列斜齒輪減速電機

KF系列平行軸-斜齒輪減速電機

KH系列斜齒軸-傘齒輪減速電機

KS系列斜齒軸-蝸輪減速電機

東洋K系列斜齒輪減速電機選型手冊

TUNYO K Series Helical Gear Motor Hand Book

TUNYO INTELLIGENT DEVICE CO.,LTD

TUNYO
The Power Of Dream

品質成就領先
技術服務社會

目錄

CONTENTS

K系列 電機分類與產品說明 K Series Motor Classification And Product Description	01-08
KR斜齒輪減速電機 KR Helical Geared Motor	09-96
KF平行軸—斜齒輪減速電機 KF Parallel Shaft—Helical Geared Motor	97-155
KH斜齒輪—傘齒輪減速電機 KH Helical—Bevel Geared Motor	156-221
KS斜齒輪—蝸輪減速電機 KS Helical—Worm Geared Motor	222-281

* 本公司產品因不斷改進，尺寸如有變動恕不另行通知，詳情請聯系本公司。
* Our company's products always develop in time, if there are some changes about size, we will not inform you again. So please contact us.

K系列斜齒輪減速電機
K Series Helical Gear Motor

東洋K系列電機分類 TUNYO K series motor classification



KR系列斜齒輪減速電機



KF系列平行軸-斜齒輪減速電機



KH系列斜齒輪-傘齒減速電機



KS系列斜齒輪-蝸輪減速電機

產品說明 Product Description

1.1 性能特点

1. 采用了系列化、模块化的设计，传动比覆盖范围广、分级精细；
2. 传动效率高，耗能低、性能优越；
3. 齿轮经高精度磨齿机磨削加工，传动平稳、噪音低，承载能力大、寿命长；
4. 设计精巧：体积小，安装简便，用途广泛；
5. 安装方式多样，适合全方位的万能安装配置；
6. 可实现KR、KF、KH、KS系列与KRF系列双联体组合，适用于特殊低速的应用。

1.2 主要材料

1. 箱体：HT250高强度铸铁。射型内腔，有效减少零件磨损；
2. 齿轮：20CrMo优质合金钢，碳氮共渗处理（精磨后保持齿面硬度HRC60）；
3. 平键：45钢，表面硬度HRC50。

1.3 减速器效率

1. 由于采用了高精度齿轮、油封、轴承，有效降低了摩擦，齿轮传动的级间效率可达97%；
2. 在某些安装方式时，输入级齿轮完全浸在润滑油中，对于大机座号和高输入转速的情况，须考虑搅油损失。

1.4 使用条件

1. 环境温度-40 ~ 50 °C (0°C 以下启动时润滑油需加热到0°C以上或采用防冻润滑油) ；
2. 输入转速不大于2800转/分；
3. 可用于正反转；
4. 无行业限制。

1.1 Performance Characteristics

1. Systematic and modular design; Transmission ratio with fine stage covers a wide range.
2. High efficiency; Low energy consumption; Superior performance.
3. High Precision gear with teeth grinding; Stable transmission; Low noise; Strong bearing capacity; Long Service life.
4. Deft design: Small volume; Simple Installation; Wide usage.
5. Suitable for all kinds of mounting positions
6. KR..,KF..,KH..,KS.. and KRF.. conjoined combination for special low speed.

1.2 Material

1. Housing: High strength cast iron HT250, die casting lumen, reduce the abrasion of parts.
2. Gears: 20CrMo, Carbonitriding, Teeth hardness: HRC 60 after grinding.
3. Flat keys: C45, Surface hardness: HRC 50.

1.3 Gear Unit Efficiency

1. High precision gear; seals; bearings; Effectively reduces friction; Stage efficiency of gear drive reaches 97%.
2. For some ways of mounting, the input gear is completely immersed in the lubricant, please consider the churning loss when it comes to big frame size and high input speed .

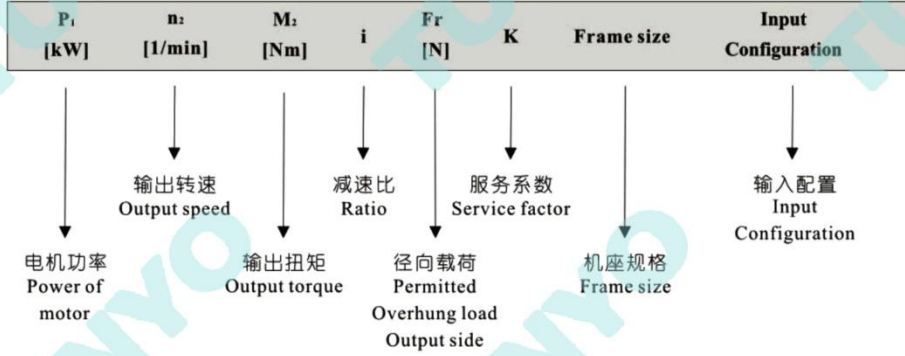
1.4 Working Conditions

1. Ambient temperature -40~ 50°C (if lower than 0°C, need to heat the lubrication higher than 0°C or use anti freezing lubricant).
2. Input rotation speed \leq 2800r/min.
3. Both Rotation Direction.
4. No industry limit.

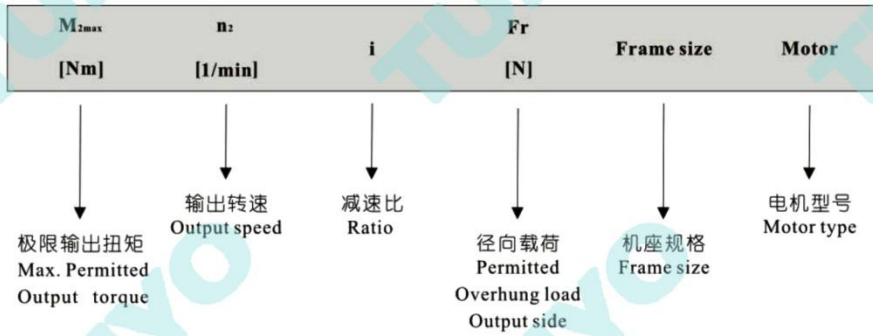
K系列斜齒輪減速電機 K Series Helical Gear Motor

1.5 选型表注释 / Selection Table Explanation

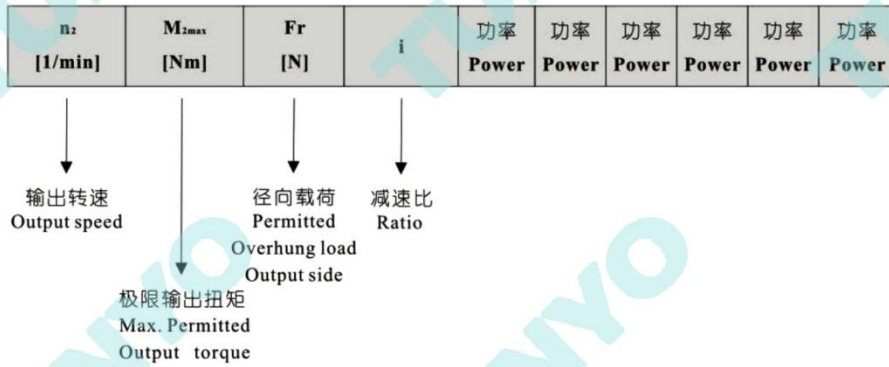
性能参数表结构说明 / Performance Parameter Table Structure



性能参数表结构说明 / Performance Parameter Table Structure






功率配置表结构说明 / Power Combination



K系列斜齒輪減速電機 K Series Helical Gear Motor

1. 6. 潤滑油 / Lubrication

1. 6. 1 潤滑油類型 / Types of Lubrication

	環境溫度(℃) Ambient Temperature(℃)	ISO粘度 ISO Viscosity Class	 SHELL	 MOBIL	 BP	潤滑油類型 Lubrication Type
KR KF KH KS	-40 ~ +10	VG 220	Shell Omala 200	Mobilgear 630	BP Energol GR-XP 220	礦物油 Mineral Oil
	-20 ~ +25	VG 150 VG 100	Shell Omala 100	Mobilgear 627	BP Energol GR-XP 100	
	-30 ~ +10	VG68-46 VG 32	Shell Tellus 32	Mobil D.T.E 13M		
	-40 ~ -20	VG 22 VG 15	Shell Tellus 32	Mobil D.T.E 11M	BP Energol HLP-HM 15	
	-40 ~ +80	VG 220	Shell Tellus 32	Mobil SHC 630		合成油 Synthetic Oil
	-40 ~ +10	VG 32		Mobil SHC 624		

1. 6. 2 潤滑油量表

規定的加注量為參考值。精確值的變化與級數和傳動比有關。請您在加注潤滑油時一定要注意油位螺絲所指示的精確油量。後期調整安裝方式時，您必須根據改變後的安裝方式相應調整加注潤滑劑。下表中列出了安裝方式M1-M6的減速器相應的標準參考潤滑油注入量。

1. 6. 2 Lubricant Fill Quantity

The specified fill quantities are recommended values. The precise value varies 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. The following tables show guide values for lubricant fill quantities in relation to the mounting position M1 -M6.

KRX..

減速器型號 Gear units	加注量 Fill quantity in liters 單位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KRX57	0.60	0.80	1.30	1.30	0.90	0.90
KRX67	0.80	0.80	1.70	1.90	1.10	1.10
KRX77	1.10	1.50	2.60	2.70	1.60	1.60
KRX87	1.70	2.50	4.80	4.80	2.90	2.90
KRX97	2.10	3.40	7.40	7.00	4.80	4.80
KRX107	3.90	5.60	11.6	11.9	7.70	7.70

K系列斜齒輪減速電機 K Series Helical Gear Motor

KRXF..

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KRXF57	0.50	0.80	1.10	1.10	0.70	0.70
KRXF67	0.70	0.80	1.50	1.40	1.00	1.00
KRXF77	0.90	1.30	2.40	2.00	1.60	1.60
KRXF87	1.60	1.95	4.90	3.95	2.90	2.90
KRXF97	2.10	3.70	7.10	6.30	4.80	4.80
KRXF107	3.10	5.70	11.2	9.30	7.20	7.20

KR../KR..F

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1 ①	M2 ①	M3	M4	M5	M6
KR..07	0.12	0.20	0.20	0.20	0.20	0.20
KR..17	0.25	0.55	0.35	0.55	0.35	0.40
KR..27	0.25/0.40	0.70	0.50	0.70	0.50	0.50
KR..37	0.30/0.95	0.85	0.95	1.05	0.75	0.95
KR..47	0.70/1.50	1.60	1.50	1.65	1.50	1.50
KR..57	0.80/1.70	1.90	1.70	2.10	1.70	1.70
KR..67	1.10/2.30	2.40/3.20	2.80	2.90	1.80	2.00
KR..77	1.20/3.00	3.30/4.20	3.60	3.80	2.50	3.40
KR..87	2.30/6.00	6.40/8.10	7.20	7.20	6.30	6.50
KR..97	4.60/9.80	11.7/14.0	11.7	13.4	11.3	11.7
KR..107	6.00/13.7	16.3	16.9	19.2	13.2	15.9
KR..137	10.0/25.0	28.0	29.5	31.5	25.0	25.0
KR..147	15.4/40.0	46.5	48.0	52.0	39.5	41.0
KR..167	27.0/70.0	82.0	78.0	88.0	66.0	69.0

KRF..

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1 ①	M2 ①	M3	M4	M5	M6
KRF07	0.12	0.20	0.20	0.20	0.20	0.20
KRF17	0.25	0.55	0.35	0.55	0.35	0.40
KRF27	0.25/0.40	0.70	0.50	0.70	0.50	0.50
KRF37	0.35/0.95	0.90	0.95	1.05	0.75	0.95
KRF47	0.65/1.50	1.60	1.50	1.65	1.50	1.50
KRF57	0.80/1.70	1.80	1.70	2.00	1.70	1.70
KRF67	1.20/2.50	2.50/3.20	2.70	2.80	1.90	2.10
KRF77	1.20/2.60	3.10/4.10	3.30	3.60	2.40	3.00
KRF87	2.40/6.00	6.40/8.20	7.10	7.20	6.30	6.40
KRF97	5.10/10.2	11.9/14.0	11.2	14.0	11.2	11.8
KRF107	6.30/14.9	15.9	17.0	19.2	13.1	15.9
KRF137	9.50/25.0	27.0	29.0	32.5	25.0	25.0
KRF147	16.4/42.0	47.0	48.0	52.0	42.0	42.0
KRF167	26.0/70.0	82.0	78.0	88.0	65.0	71.0

① The larger gear unit of multi-stage gear units must be filled with the larger oil volume

K系列斜齒輪減速電機 K Series Helical Gear Motor

KF.,KFA..B,KFH..B,KFV..B

減速器型號 Gear units	加注量 Fill quantity in liters 單位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KF..27	0.60	0.80	0.65	0.70	0.60	0.60
KF..37	0.95	1.25	0.70	1.25	1.00	1.10
KF..47	1.50	1.80	1.10	1.90	1.50	1.70
KF..57	2.60	3.50	2.10	3.50	2.80	2.90
KF..67	2.70	3.80	1.90	3.80	2.90	3.20
KF..77	5.90	7.30	4.30	8.00	6.00	6.30
KF..87	10.8	13.0	7.70	13.8	10.8	11.0
KF..97	18.5	22.5	12.6	25.2	18.5	20.0
KF..107	24.5	32.0	19.5	37.5	27.0	27.0
KF..127	40.5	55.0	34.0	61.0	46.3	47.0
KF..157	69.0	104	63.0	105	86.0	78.0

KFF..

減速器型號 Gear units	加注量 Fill quantity in liters 單位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KFF27	0.60	0.80	0.65	0.70	0.60	0.60
KFF37	1.00	1.25	0.70	1.30	1.00	1.10
KFF47	1.60	1.85	1.10	1.90	1.50	1.70
KFF57	2.80	3.50	2.10	3.70	2.90	3.00
KFF67	2.70	3.80	1.90	3.80	2.90	3.20
KFF77	5.90	7.30	4.30	8.10	6.00	6.30
KFF87	10.8	13.2	7.80	14.1	11.0	11.2
KFF97	19.0	22.5	12.6	25.5	18.9	20.5
KFF107	25.5	32.0	19.5	38.5	27.5	28.0
KFF127	41.5	55.5	34.0	63.0	46.5	49.0
KFF157	72.0	105	64.0	106	87.0	79.0

KFA...KFH...KFV...KFAF...KFHF...KFVF...KFAZ...KFHZ...KFVZ..

減速器型號 Gear units	加注量 Fill quantity in liters 單位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KF..27	0.60	0.80	0.65	0.70	0.60	0.60
KF..37	0.95	1.25	0.70	1.25	1.00	1.10
KF..47	1.50	1.80	1.10	1.90	1.50	1.70
KF..57	2.70	3.50	2.10	3.40	2.90	3.00
KF..67	2.70	3.80	1.90	3.80	2.90	3.20
KF..77	5.90	7.30	4.30	8.00	6.00	6.30
KF..87	10.8	13.0	7.70	13.8	10.8	11.0
KF..97	18.5	22.5	12.6	25.2	18.5	20.0
KF..107	24.5	32.0	19.5	37.5	27.0	27.0
KF..127	39.0	54.5	34.0	61.0	45.0	46.5
KF..157	68.0	103	62.0	104	85.0	79.5

K系列斜齒輪減速電機 K Series Helical Gear Motor

KH...,KHA..B,KHH..B,KHV..B

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KH..37	0.50	1.00	1.00	1.25	0.95	0.95
KH..47	0.80	1.30	1.50	2.00	1.60	1.60
KH..57	1.10	2.20	2.20	2.80	2.30	2.10
KH..67	1.10	2.40	2.60	3.45	2.60	2.60
KH..77	2.20	4.10	4.40	5.80	4.20	4.40
KH..87	3.70	8.00	8.70	10.9	8.00	8.00
KH..97	7.00	14.0	15.7	20.0	15.7	15.5
KH..107	10.0	21.0	25.5	33.5	24.0	24.0
KH..127	21.0	41.5	44.0	54.0	40.0	41.0
KH..157	31.0	62.0	65.0	90.0	58.0	62.0
KH..167	33.0	95.0	105.0	123.0	85.0	84.0
KH..187	53.0	152.0	167.0	200.0	143.0	143.0

KHF..

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KHF37	0.50	1.10	1.10	1.50	1.00	1.00
KHF47	0.80	1.30	1.70	2.20	1.60	1.60
KHF57	1.20	2.20	2.40	3.15	2.50	2.30
KHF67	1.10	2.40	2.80	3.70	2.70	2.70
KHF77	2.10	4.10	4.40	5.90	4.50	4.50
KHF87	3.70	8.20	9.00	11.9	8.40	8.40
KHF97	7.00	14.7	17.3	21.5	15.7	16.5
KHF107	10.0	21.8	25.8	35.1	25.2	25.2
KHF127	21.0	41.5	46.0	55.0	41.0	41.0
KHF157	31.0	66.0	69.0	92.0	62.0	62.0

KHA...,KHH...,KHV...,KHAF...,KHFF...,KHVF...,KHAZ...,KHHZ...,KHVZ..

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KH..37	0.50	1.00	1.00	1.40	1.00	1.00
KH..47	0.80	1.30	1.60	2.10	1.60	1.60
KH..57	1.30	2.30	2.70	3.20	2.90	2.70
KH..67	1.10	2.40	2.70	3.60	2.60	2.60
KH..77	2.10	4.10	4.60	6.00	4.40	4.40
KH..87	3.70	8.20	8.80	11.1	8.00	8.00
KH..97	7.00	14.7	15.7	20.0	15.7	15.7
KH..107	10.0	20.5	24.0	32.0	24.0	24.0
KH..127	21.0	41.5	43.0	52.0	40.0	40.0
KH..157	31.0	66.0	67.0	87.0	62.0	62.0
KH..167	33.0	95.0	105.0	123.0	85.0	84.0
KH..187	53.0	152.0	167.0	200.0	143.0	143.0

K系列斜齒輪減速電機
K Series Helical Gear Motor

KS..

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KS37	0.25	0.40	0.50	0.55	0.40	0.40
KS47	0.35	0.80	0.70/0.90	1.00	0.80	0.80
KS57	0.50	1.20	1.00/1.20	1.45	1.30	1.30
KS67	1.00	2.00	2.20/3.10	3.10	2.60	2.60
KS77	1.90	4.20	3.70/5.40	5.90	4.40	4.40
KS87	3.30	8.10	6.90/10.4	11.3	8.40	8.40
KS97	6.80	15.0	13.4/18.0	21.8	17.0	17.0

KSF..

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KSF37	0.25	0.40	0.50	0.55	0.40	0.40
KSF47	0.40	0.90	0.90/1.05	1.05	1.00	1.00
KSF57	0.50	1.20	1.00/1.50	1.55	1.40	1.40
KSF67	1.00	2.20	2.30/3.00	3.20	2.70	2.70
KSF77	1.90	4.10	3.90/5.80	6.50	4.90	4.90
KSF87	3.80	8.00	7.10/10.1	12.0	9.10	9.10
KSF97	7.40	15.0	13.8/18.8	22.6	18.0	18.0

KSA...,KSH..., KSAF...,KSHF..., KSAZ...,KSHZ..

減速器型号 Gear units	加注量 Fill quantity in liters 单位:升(L) Unit: L					
	M1	M2	M3	M4	M5	M6
KS..37	0.25	0.40	0.50	0.50	0.40	0.40
KS..47	0.40	0.80	0.70/0.90	1.00	0.80	0.80
KS..57	0.50	1.10	1.00/1.50	1.50	1.20	1.20
KS..67	1.00	2.00	1.80/2.60	2.90	2.50	2.50
KS..77	1.80	3.90	3.60/5.00	5.80	4.50	4.50
KS..87	3.80	7.40	6.00/8.70	10.8	8.00	8.00
KS..97	7.00	14.0	11.4/16.0	20.5	15.7	15.7

TUNYO



東洋KH斜齒輪-傘齒輪減速電機
TUNYO KH HELICAL- BEVEL GEARED MOTOR

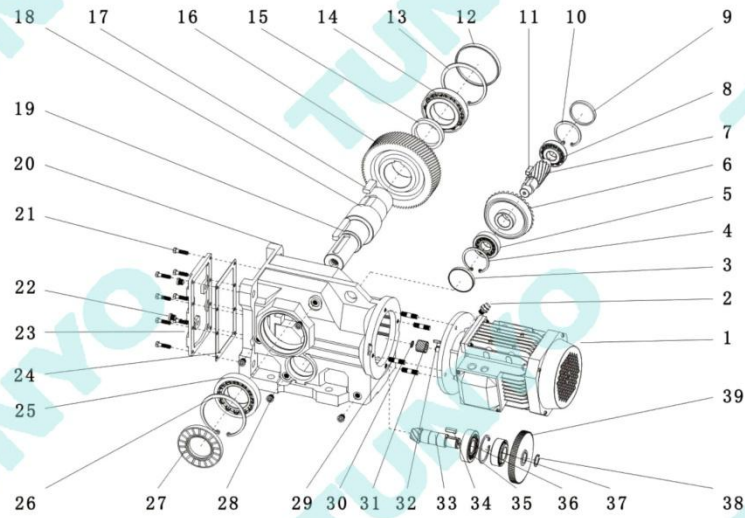
PROFESSIONAL MANUFACTURER OF POWER TRANSMISSION

DESIGN PHILOSOPHY: To follow the law, but always beyond.

BUSINESS PHILOSOPHY: Design for customer demand , dedication for customer satisfaction

K系列斜齒輪減速電機 K Series Helical Gear Motor

4. 1 部件分解圖 / Spare Parts List



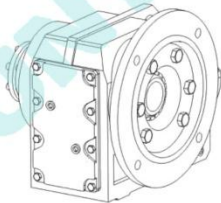
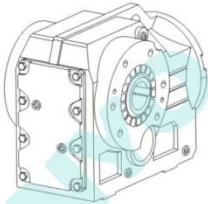
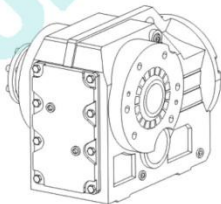
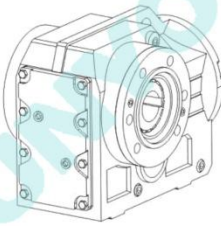
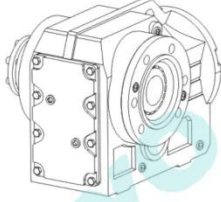
- | | |
|-----------------------------------|------------------------------------|
| 1 电机/motor | 21 外六角螺釘/hex head screw |
| 2 透氣閥/breather valve | 22 油塞/oil level plug |
| 3 平面油封/plane seal | 23 蓋板/cover plate |
| 4 孔用擋圈/retaining rings for bores | 24 紙墊/gasket |
| 5 軸承/bearing | 25 軸承/bearing |
| 6 傘齒輪/bevel gear | 26 孔用擋圈/retaining rings for bores |
| 7 齒輪軸/gear shaft | 27 骨架油封/skeleton oil seal |
| 8 軸承/bearing | 28 油塞/oil level plug |
| 9 平面油封/plane seal | 29 雙頭螺柱/stud |
| 10 孔用擋圈/retaining rings for bores | 30 軸用擋圈/retaining rings for shafts |
| 11 平鍵/flat key | 31 齒輪/gear |
| 12 平面油封/plane seal | 32 平鍵/flat key |
| 13 孔用擋圈/retaining rings for bores | 33 傘齒輪/bevel gear shaft |
| 14 軸承/bearing | 34 平鍵/flat key |
| 15 墊片/spacer tube | 35 軸承/bearing |
| 16 齒輪/gear | 36 孔用擋圈/retaining rings for bores |
| 17 平鍵/flat key | 37 軸承/bearing |
| 18 輸出軸/output shaft | 38 軸用擋圈/retaining rings for shafts |
| 19 平鍵/flat key | 39 齒輪/gear |
| 20 箱体/housing | |

4.2 機型版本 /Versions

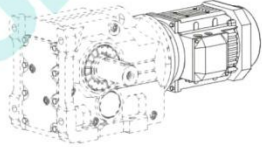
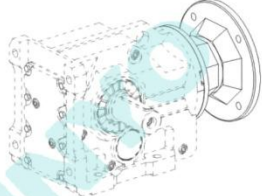
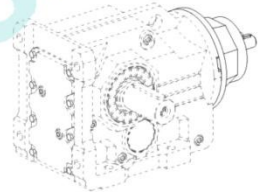
4.2.1 基本型式 /Basic Versions

	<p>KH.. 底脚安裝斜齒-傘齒減速機 Foot-mounted helical-bevel gear unit.</p>
	<p>KHA..B 底脚空心軸安裝斜齒-傘齒減速機 Foot-mounted helical-bevel gear unit with hollow shaft.</p> <p>KHV..B 底脚花鍵空心軸 (DIN 5480) 安裝斜齒-傘齒減速機 Foot-mounted helical-bevel gear unit with hollow shaft and splined hollow shaft to DIN 5480.</p>
	<p>KHH..B 底脚空心軸鎖緊盤安裝斜齒-傘齒減速機 Foot-mounted helical-bevel gear unit with hollow shaft and shrink disc.</p>
	<p>KHF.. B5 法蘭安裝斜齒-傘齒減速機 Helical-bevel gear unit in B5 flange-mounted version.</p>
	<p>KHAF.. B5 法蘭空心軸安裝斜齒-傘齒減速機 Helical-bevel gear unit in B5 flange-mounted version with hollow shaft.</p> <p>KHVF.. B5 法蘭花鍵空心軸 (DIN 5480) 安裝斜齒-傘齒減速機 Helical-bevel gear unit in B5 flange-mounted version with hollow shaft and splined hollow shaft to DIN 5480.</p>

K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

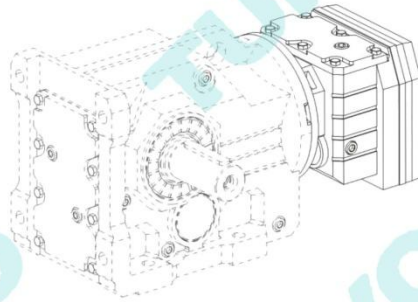
	<p>KHHF.. B5 法兰空心轴锁紧盘安装斜齿-伞齿减速机 Helical-bevel gear unit in B5 flange-mounted version with hollow shaft and shrink disc.</p>
	<p>KHA.. 空心轴安装斜齿-伞齿减速机 Helical-bevel gear unit with hollow shaft.</p> <p>KHV.. 花键空心轴 (DIN 5480) 安装斜齿-伞齿减速机 Helical-bevel gear unit with hollow shaft and splined hollow shaft to DIN 5480.</p>
	<p>KHH.. 空心轴锁紧盘安装斜齿-伞齿减速机 Helical-bevel gear unit with hollow shaft and shrink disc.</p> <p>KHT.. 空心轴扭力臂安装斜齿-伞齿减速机 Helical-bevel gear unit with hollow shaft and torque arm.</p>
	<p>KHAZ.. B14 法兰空心轴安装斜齿-伞齿减速机 Helical-bevel gear unit in B14 flange-mounted version with hollow shaft.</p> <p>KHVZ.. B14 法兰花键空心轴 (DIN 5480) 安装斜齿-伞齿减速机 Helical-bevel gear unit in B14 flange-mounted version with hollow shaft and splined hollow shaft to DIN 5480.</p>
	<p>KHHZ.. B14 法兰空心轴锁紧盘安装斜齿-伞齿减速机 Helical-bevel gear unit in B14 flange-mounted version with hollow shaft and shrink disc.</p>

4.2.2 輸入型式 / Input Versions

	<p>KH.. Y.. 直聯電機輸入 Input with geared motors.</p>
	<p>KH.. AM.. AM (IEC) 法蘭輸入 Input with AM adapters for mounting IEC motors.</p>
	<p>KH.. AD.. AD 軸輸入 Input with AD shaft assembly.</p>

4.2.3 KH..與KRF..組合 / KH.. and KRF.. Combination

當需要特別低速輸出時，可選擇 KRF 齒輪箱作為 KH 齒輪箱的輸入。
If special low speed is needed, KRF.. gearbox can be the input of KH.. Gearbox.



K系列斜齿轮减速电机
K Series Helical Gear Reduction Motor

	标号 NO.	含义 Meaning	说明 Explanation
输入配置 Input Configuration	⑩	手动释放装置 Manual Release Device	无代码: 无手动释放装置 No Code: No manual release device. HF: 手动释放装置带自锁功能 HF: Manual release device with self-locking Function. HR: 手动释放装置不带自锁功能 HR: Manual release device without self-Locking function.
	⑪	电机热保护装置 Motor Heat-protection Device.	无代码: 无电机热保护装置 No Code: No motor heat-protection device. TF: 电机热保护装置 TF: Motor heat-protection device.
	⑫	逆止器 Backstop	无代码: 无逆止器 No Code: No backstop. RS: 逆止器 RS: Backstop.
	⑬	强制冷却风扇 Forced Cooling Fan	无代码: 无强制冷却风扇 No Code: no forced cooling fan. V: 强制冷却风扇 V: Forced cooling fan.
	⑭	防雨罩 Cover	无代码: 无风扇防护罩 No Code: No fan cover. C: 防雨罩 C: cover.
	⑮	编码器 Encoder	无代码: 无编码器 No Code: No encoder. E: 编码器 E: Encoder
输出配置 Output Configuration	⑯	扭力臂 Torque Arm	无代码: 无扭力臂 No Code: No torque arm. TA: 扭力臂指向A TA: Torque arm pointing to A. TB: 扭力臂指向B TB: Torque arm pointing to B.
	⑰	法兰或轴指向 Flange or Shaft Pointing direction.	A: 法兰或轴指向A A: Flange or shaft pointing to A. B: 法兰或轴指向B B: Flange or shaft pointing to B. A+B: 双出轴或双法兰 A+B: Double flange or shaft.
安装方式 Mounting Positions	⑱	安装方位 Mounting Position	M1、M2、M3、M4、M5、M6
	⑲	电机接线盒方位 Position for motor terminal box.	R、B、L、T

说明:

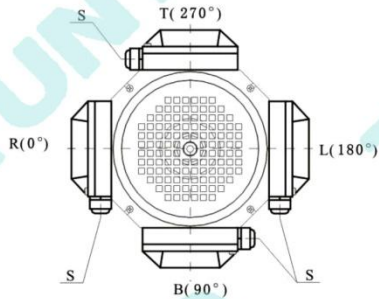
1. 基本项目不可省略;
2. 输入配置中, 只能在 AM、AD 和电机之间选择一种;
3. 输出配置参数若省略, 默认按A方向提供;
4. 安装方式参数若省略, 默认按 M1 安装方位, R 接线盒方位提供。

Notes:

1. Basic project can not be omitted.
2. Input configuration can only be one of AM, AD and motor.
3. If no output configuration, default pointing direction will be B.
4. If not mounting position, default mounting position will be M1, default position for motor terminal will be R.

4.4 安装方位 / Mounting Positions

4.4.1 电机接线盒方位 / Position of Motor Terminal Box



R(0°): 默认接线盒方位
R(0°): Default Position for Motor Terminal Box
注: 图为M1安装方位。

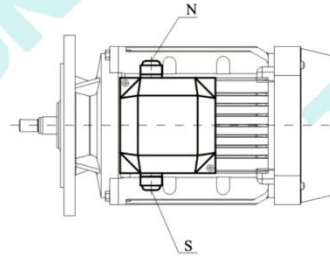
Mark :This picture is the installation position of M1

说明:

上图的视图方向为: 从电机尾部的风罩向前看。

可提供 R (0°)、B (90°)、L (180°)、T (270°) 四种电机接线盒方位。其中 R (0°) 位置是默认方位。如无特别说明, 将按默认方位提供。

可提供 S 和 N 两种进线方位, 其中 S 位置是默认方位。如无特别说明, 将按默认方位提供。



S: 默认进线方位
S: Default Line Position

Notes:

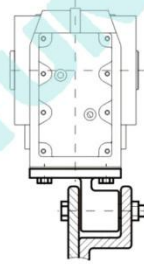
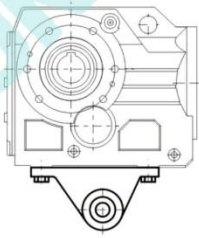
The view direction of above figure: from the fan cover in the end of the motor to look forward.

There will be four position for motor terminal box: R(0°)、B(90°)、L(180°)、T(270°). And default position is R(0°). If no special explanation, it will be provided in default position. If no special explanation, it will be provided in default position.

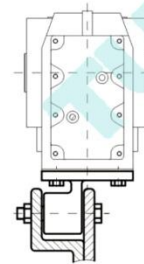
There will be two line position: S and N. Default position is S. If no special explanation, it will be provided in default position. If no special explanation, it will be provided in default position.

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

4.4.2 扭力臂方位 / Position of Torque Arm



TA



TB

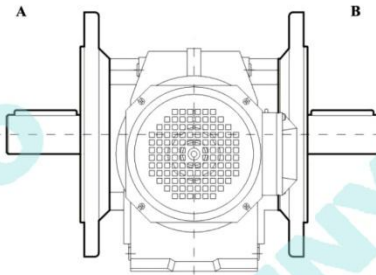
说明:

扭力臂方位 TA 与 TB 是对称的。

Notes:

TA and TB are symmetrical.

4.4.3 法兰或轴指向 / Position of The Output Shaft and Flange



说明:

上图的视图方向为：从电机尾部的风罩向前看。

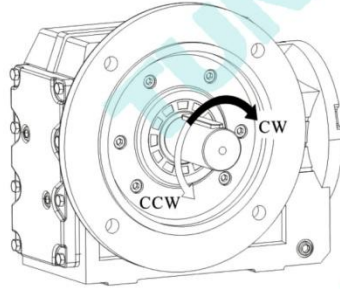
可提供 A、B 或 A+B 三种输出法兰或输出轴的方位。

Notes:

The view direction of above figure is from the fan cover in the end of the motor to look forward.

There are three positions: A or B or A+B.

4.4.4 輸出軸旋轉方向 / Direction of Rotation of Output Shaft



說明:

當減速電機帶逆止器時，需規定輸出軸的旋轉方向。

上圖中，從輸出軸觀看，順時針旋轉規定為CW；逆時針旋轉規定為CCW。

當減速電機採用A+B方式輸出時（見4.3），需指出給定的旋轉方向是從A端觀看還是從B端觀看。

Notes:

It is necessary to stipulate the direction of rotation of the output shaft if the drive has a back stop.


For above figure, the following definition applies: Looking onto the output shaft.

CW = Rotating Clockwise

CCW = Rotation Counter-clockwise

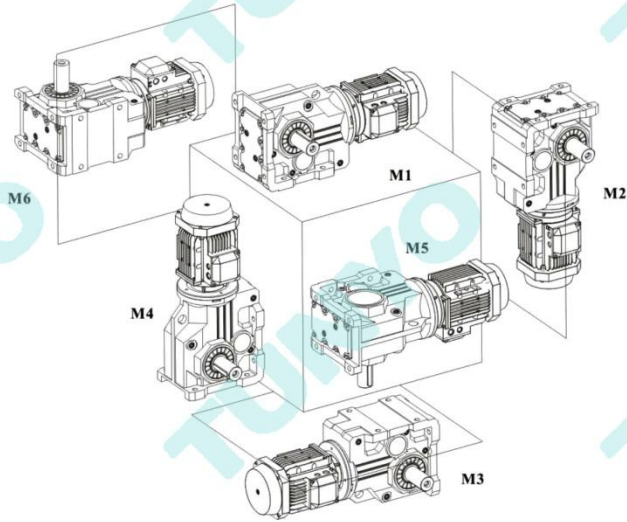
If the position of the output shaft or flange is A+B, it is necessary to stipulate for certain direction of rotation, it was looked on the A or B.

4.4.5 油位符號說明 / Oil Level Symbol Explanation

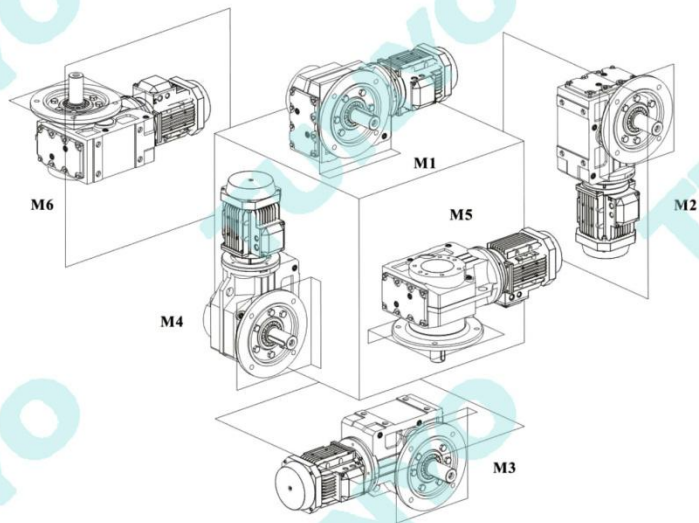
符號 Symbol	含義	Meaning
	通氣帽	BREATHER VALVE
	油標	OIL LEVEL PLUG
	排油塞	OIL DRAIN PLUG

4. 4. 6 安裝位置示意 / Mounting Position Designation

KH..安裝位置示意图 / KH.. Mounting Position Designation



KHF..安裝位置示意图 / KHF.. Mounting Position Designation



K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

4.4.7 安裝方位 / Mounting Positions

*→提示:

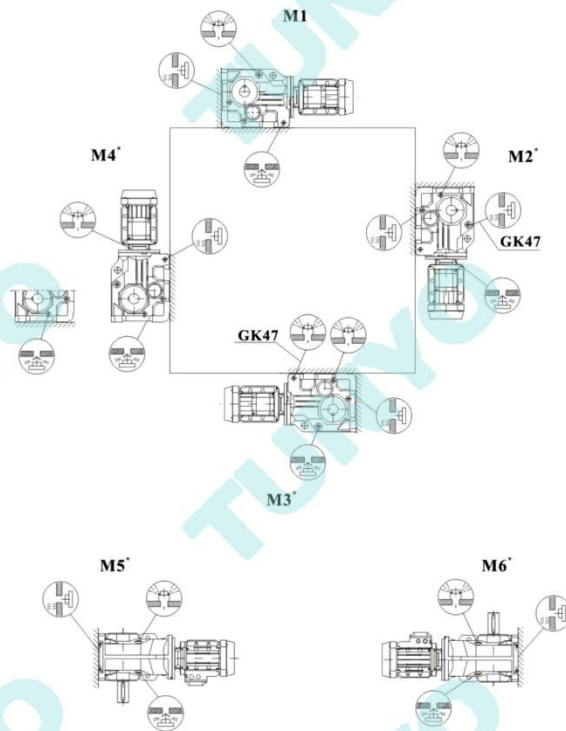
当采用下表列出的安裝方式及輸入轉速時，齒輪箱會產生不可忽視的攪油損失。請聯系本公司。

*→Reminder:

Increased churning losses may arise in the following mounting positions. Contact Greatwall Machinery.

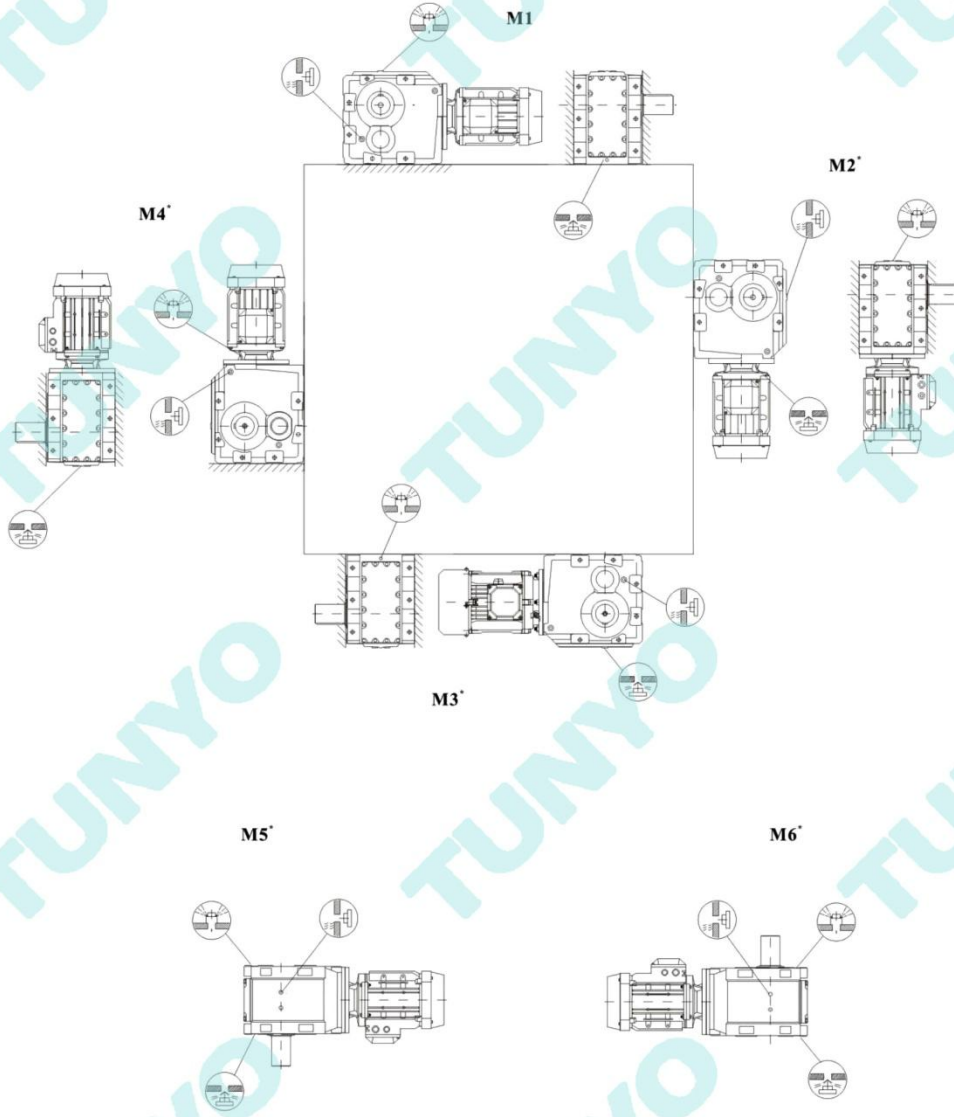
安裝方式 Mounting Position	齒輪箱規格 Gear Unit Size	輸入轉速 Input Speed (r/min)
M2, M3, M4, M5, M6	77,87,97,107	>2500
	>107	>1500

KH/KHA..B / KHH47B~157B, KHV37B~107B



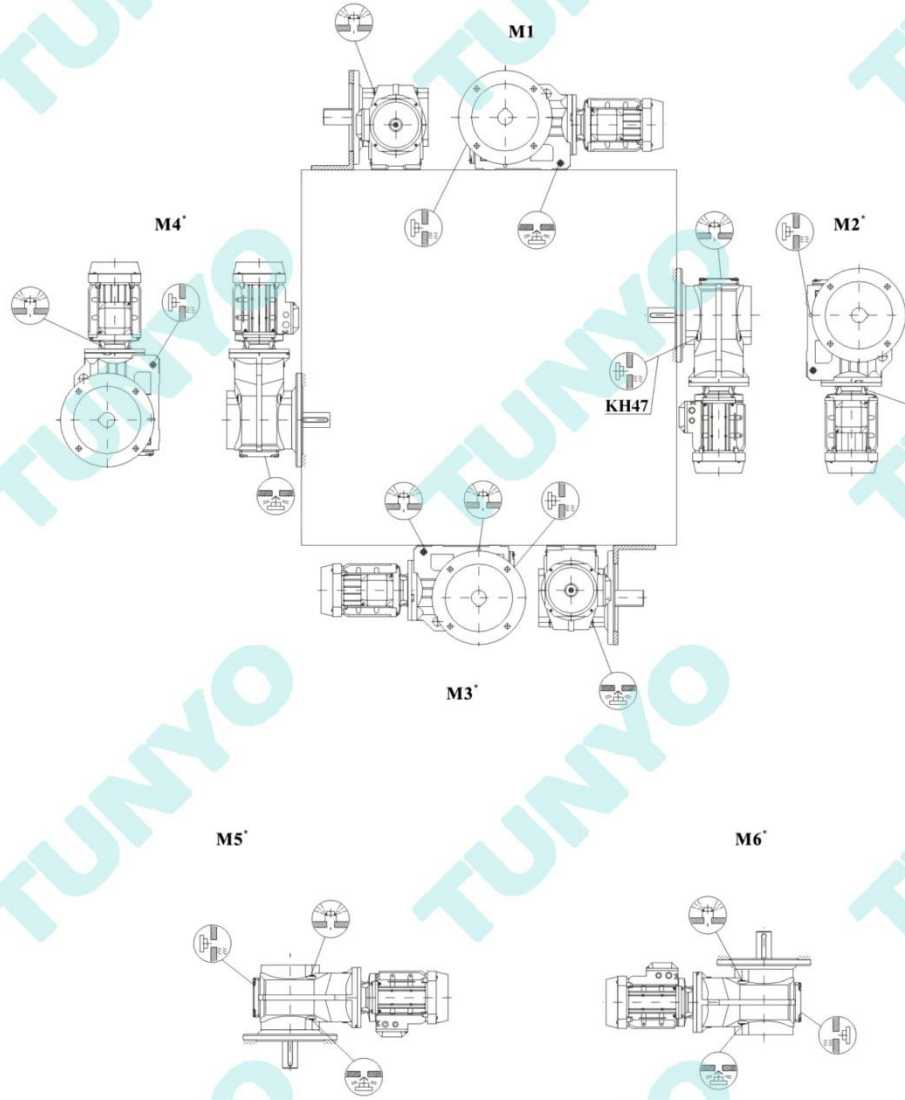
K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

KH167~187, KHH167B~187B



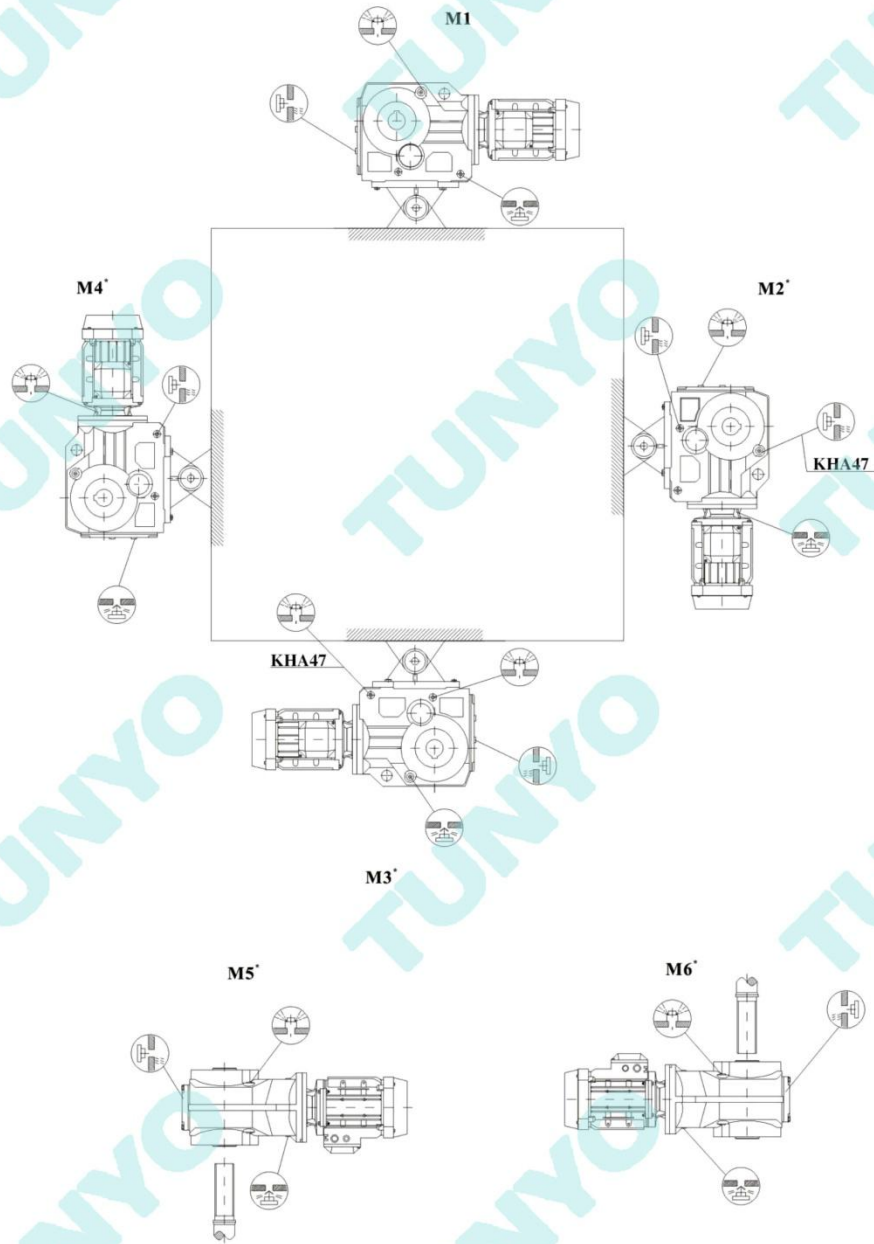
K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

KHF/KHAF/KHHF/KHAZ/KHHZ37~157, KHVF/KHVZ37~107



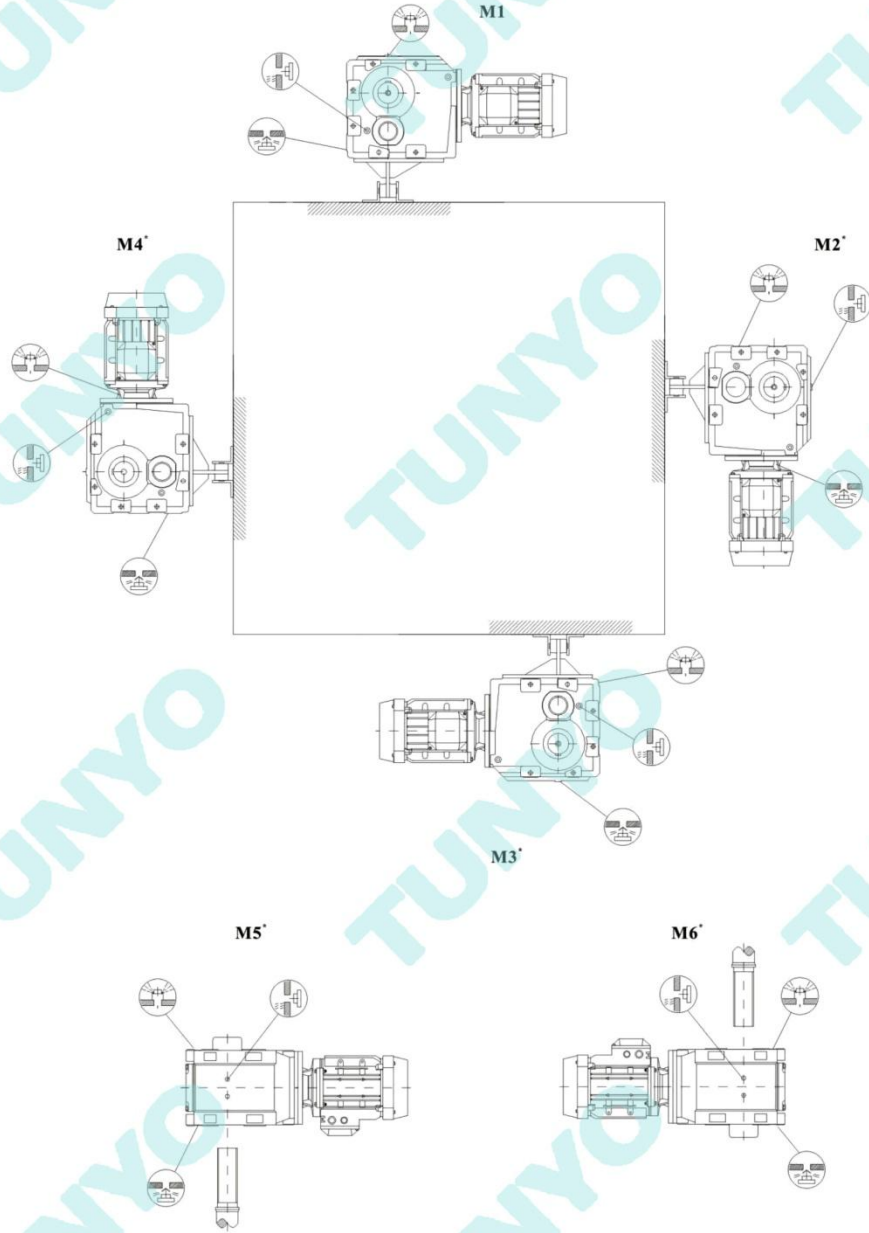
K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

KHA/KHH37~157, KHV37~107, KHT37~97



K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

KHH167~187



4.5 減速器組合表 / Gear Unit Combination Table

為得到特別低的輸出轉速，可以通過KRF齒輪箱與KH齒輪箱相連的方式實現。

當採用這種傳動方案時，可配置電動機的功率依賴於減速機的極限輸出扭矩，而不能通過電動機的額定功率和減速機的總傳動比計算得出減速機的輸出扭矩。

KRF series of gear units and KH series of gear units can be connected together to get special output speed.

For this transmission scheme, the power of the motor depends on the limit output torque of the gear-box, instead of the output torque calculated based on rated power of the motor and the transmission ratio of the gear unit.

KH..與KRF..齒輪箱可能的組合 / Possible Combination of KH.. and KRF..

	KRF17	KRF27	KRF37	KRF47	KRF57	KRF67	KRF77	KRF87	KRF97	KRF107
KH..37										
KH..47										
KH..57										
KH..67										
KH..77										
KH..87										
KH..97										
KH..107										
KH..127										
KH..157										
KH..167										
KH..187										

說明：

- : 表示可能的組合。
- : 表示不允許的組合。

Notes:

- : Possible Combination.
- : Impossible Combination.

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

4.6 KH..功率配置 / KH..Power Configuration

KH37 n ₁ =1400 1/min										200Nm					
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 -0.55	0.75 1.10	1.50	2.20								
13.0	200	5640	106.38												
14.0	200	5640	97.81												
17.0	200	5640	83.69												
19.0	200	5520	72.54												
21.0	200	5360	67.80												
24.0	200	5020	58.60												
28.0	200	4660	49.79												
31.0	200	4420	44.46												
37.0	200	4100	37.97												
39.0	200	3970	35.57												
47.0	200	3650	29.96												
49.0	200	3580	28.83												
56.0	200	3330	24.99												
60.0	195	3260	23.36												
69.0	185	3110	20.19												
82.0	180	2900	17.15												
91.0	175	2780	15.31												
107	165	2650	13.08												
115	160	2600	12.14												
133	160	2410	10.49												
157	160	2200	8.91												
176	155	2110	7.96												
206	150	1980	6.80												
220	145	1950	6.37												
261	140	1810	5.36												
352	125	1660	3.98												

KH47 n ₁ =1400 1/min										400Nm					
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 -0.55	0.75 1.10	1.50	2.20	3.30							
45.0	400	5700	31.30												
48.0	400	5520	29.32												
54.0	400	5170	25.91												
58.0	400	4970	24.06												
64.0	400	4710	21.81												
72.0	400	4440	19.58												
83.0	380	4220	16.86												
88.0	380	4080	15.86												
103	360	3890	13.65												
115	350	3720	12.19												
119	280	4060	11.77												
133	280	3830	10.56												
154	280	3540	9.10												
164	270	3500	8.56												
190	250	3380	7.36												
213	240	3270	6.58												
241	230	3140	5.81												
302	205	2980	4.64												

KH57 n ₁ =1400 1/min										600Nm					
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 -0.55	0.75 1.10	1.50	2.20	3.30	4.00						
9.60	600	7630	145.14												
11.0	600	7630	123.85												
13.0	600	7630	108.29												
14.0	600	7630	102.88												
16.0	600	7630	90.26												
18.0	600	7630	76.56												
20.0	600	7630	69.12												
23.0	600	7630	60.81												
24.0	600	7630	57.42												
29.0	600	7630	48.89												
32.0	600	7630	44.43												
36.0	600	7630	38.49												
39.0	600	7630	35.70												
46.0	600	7300	30.28												
51.0	600	6930	27.34												
58.0	600	6480	24.05												
62.0	600	6280	22.71												
72.0	575	5910	19.34												
80.0	555	5740	17.57												
92.0	535	5430	15.22												
106	510	5190	13.25												

KH47 n ₁ =1400 1/min										400Nm					
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 -0.55	0.75 1.10	1.50	2.20	3.00							
11.0	400	5920	131.87												
12.0	400	5920	121.48												
13.0	400	5920	104.37												
15.0	400	5920	90.86												
16.0	400	5920	85.12												
19.0	400	5920	75.20												
20.0	400	5920	69.84												
22.0	400	5920	63.30												
25.0	400	5920	56.83												
29.0	400	5920	48.95												
30.0	400	5920	46.03												
35.0	400	5920	39.61												
40.0	400	5920	35.39												

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

KH57 n=1400 1/min						600Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 -0.55	0.75 1.10	1.50	2.20 3.30	4.00		
117	415	5150	11.92							
124	415	4990	11.26							
146	405	4650	9.59							
161	390	4520	8.71							
185	365	4360	7.55							
213	345	4180	6.57							
299	300	3800	4.69							

KH67 n=1400 1/min						820Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.18 -0.55	0.75 1.10	1.50	2.20 3.30	4.00	5.50	
9.70	820	10300	144.79							
11.0	820	10300	123.54							
13.0	820	10300	108.03							
14.0	820	10300	102.62							
16.0	820	10300	90.04							
18.0	820	10300	76.37							
20.0	820	10300	68.95							
23.0	820	10300	60.66							
24.0	820	10300	57.28							
29.0	820	10300	48.77							
32.0	820	10300	44.32							
36.0	820	10500	38.39							
39.0	820	10300	35.62							
46.0	820	10300	30.22							
51.0	820	10300	27.28							
58.0	800	10500	24.00							
62.0	780	10700	22.66							
73.0	760	10800	19.30							
80.0	740	11000	17.54							
92.0	700	11300	15.19							
106	670	11500	13.22							
112	530	12300	12.48							
132	500	11800	10.63							
145	480	11500	9.66							
167	440	11100	8.37							
192	420	10700	7.28							
269	350	9860	5.20							

KH77 n=1400 1/min						1550Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.37 0.55	0.75 1.10	1.50	2.20 3.30	4.00	5.50 7.50	
7.30	1450	16100	192.18							
7.80	1450	16100	179.37							
9.10	1550	15400	154.02							

KH77 n=1400 1/min						1550Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.37 0.55	0.75 1.10	1.50	2.20 3.30	4.00	5.50 7.50	
10.0	1550	15400	135.28							
11.0	1550	15400	128.52							
12.0	1550	15400	113.56							
14.0	1550	15400	97.05							
16.0	1550	15400	88.97							
18.0	1550	15400	78.07							
19.0	1550	15400	73.99							
22.0	1550	15400	64.75							
24.0	1550	15400	58.34							
27.0	1550	15400	51.18							
31.0	1550	15400	45.16							
35.0	1550	15400	40.04							
36.0	1550	15700	38.39							
40.0	1550	15400	35.20							
45.0	1550	15400	30.89							
48.0	1550	15400	29.27							
55.0	1550	15400	25.62							
61.0	1550	15400	23.08							
69.0	1500	15700	20.25							
78.0	1450	16100	17.87							
88.0	1400	15500	15.84							
104	1340	14800	13.52							
113	1000	15100	12.36							
129	990	14400	10.84							
146	940	13900	9.56							
165	890	13500	8.48							
193	820	13100	7.24							

KH77 n=1400 1/min						1550Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	11.0						
7.30	1450	16100	192.18							
7.80	1450	16100	179.37							
9.10	1550	15400	154.02							
10.0	1550	15400	135.28							
11.0	1550	15400	128.52							
12.0	1550	15400	113.56							
14.0	1550	15400	97.05							
16.0	1550	15400	88.97							
18.0	1550	15400	78.07							
19.0	1550	15400	73.99							
22.0	1550	15400	64.75							
24.0	1550	15400	58.43							
27.0	1550	15400	51.18							
31.0	1550	15400	45.16							

K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

KH77 n ₁ =1400 1/min				1550Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	11.0						
35.0	1550	15400	40.04							
36.0	1550	15700	38.39							
40.0	1550	15400	35.20							
45.0	1550	15400	30.89							
48.0	1550	15400	29.27							
55.0	1550	15400	25.62							
61.0	1550	15400	23.08							
69.0	1500	15700	20.25							
78.0	1450	16100	17.87							
88.0	1400	15500	15.84							
104	1340	14800	13.52							
113	1000	15100	12.36							
129	990	14400	10.84							
146	940	13900	9.56							
165	890	13500	8.48							
193	820	13100	7.24							

KH87 n ₁ =1400 1/min				2700Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	7.5 11.0	1.50	2.20 3.00	4.00	5.50 7.50	11.0	
7.10	2700	27300	197.37							
8.00	2700	27300	174.19							
8.50	2700	27300	164.34							
9.50	2700	27300	147.32							
11.0	2700	27300	126.91							
12.0	2700	27300	115.82							
14.0	2700	27300	102.71							
16.0	2700	27300	86.34							
18.0	2700	27300	79.34							
20.0	2700	27300	70.46							
22.0	2700	26200	63.00							
25.0	2700	25000	56.64							
28.0	2700	23500	49.16							
32.0	2600	22800	44.02							
38.0	2500	21400	36.52							
45.0	2700	19200	31.39							
50.0	2600	18500	27.88							
56.0	2500	18000	24.92							
62.0	2300	17900	22.41							
72.0	2300	16800	19.45							
80.0	2200	16300	17.42							
88.0	1800	16000	16.00							
97.0	2100	15300	14.45							
111	2000	14800	12.56							
125	1500	14900	11.17							

KH87 n ₁ =1400 1/min				2700Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	7.5 11.0	1.50	2.20 3.00	4.00	5.50 7.50	11.0	
140	1500	14200	10.00							
169	1400	13500	8.29							
194	1300	13200	7.21							

KH87 n ₁ =1400 1/min				2700Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	18.5 22.0						
7.10	2700	27300	197.37							
8.00	2700	27300	174.19							
8.50	2700	27300	164.34							
9.50	2700	27300	147.32							
11.0	2700	27300	126.91							
12.0	2700	27300	115.82							
14.0	2700	27300	102.71							
16.0	2700	27300	86.34							
18.0	2700	27300	79.34							
20.0	2700	27300	70.46							
22.0	2700	26200	63.00							
25.0	2700	25000	56.64							
28.0	2700	23500	49.16							
32.0	2600	22800	44.02							
38.0	2500	21400	36.52							
45.0	2700	19200	31.39							
50.0	2600	18500	27.88							
56.0	2500	18000	24.92							
62.0	2300	17900	22.41							
72.0	2300	16800	19.45							
80.0	2200	16300	17.42							
88.0	1800	16000	16.00							
97.0	2100	15300	14.45							
111	2000	14800	12.56							
125	1500	14900	11.17							
140	1500	14200	10.00							
169	1400	13500	8.29							
194	1300	13200	7.21							

KH97 n ₁ =1400 1/min				4300Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	1.10	1.50	2.20 3.00	4.00	5.50 7.50	11.0	
8.00	4300	40000	176.05							
9.10	4300	40000	153.21							
10.0	4300	40000	140.28							
11.0	4300	40000	123.93							
13.0	4300	40000	105.13							
14.0	4300	40000	96.80							

K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

KH97 n ₁ =1400 1/min				4300Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	1.10	1.50	2.20 3.00	4.00	5.50 7.50	11.0 15.0	
16.0	4300	38800	86.52							
18.0	4300	37100	77.89							
20.0	4300	35600	70.54							
22.0	4300	33800	62.55							
25.0	4300	32300	56.55							
29.0	4300	30000	47.93							
33.0	4300	28300	41.87							
37.0	4300	27100	38.30							
41.0	4300	25700	34.23							
45.0	4300	24500	30.82							
50.0	4300	23300	27.91							
57.0	4300	22000	24.75							
63.0	4300	20900	22.37							
74.0	4300	19100	18.96							
85.0	4300	17800	16.56							
101	4300	16100	13.85							
117	3890	16200	11.99							
134	2870	16400	10.41							
161	2660	15800	8.71							
186	2400	15700	7.54							

KH97 n ₁ =1400 1/min				4300Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	18.5 22.0	30.0					
8.00	4300	40000	176.05							
9.10	4300	40000	153.21							
10.0	4300	40000	140.28							
11.0	4300	40000	123.93							
13.0	4300	40000	105.13							
14.0	4300	40000	96.80							
16.0	4300	38800	86.52							
18.0	4300	37100	77.89							
20.0	4300	35600	70.54							
22.0	4300	33800	62.55							
25.0	4300	32300	56.55							
29.0	4300	30000	47.93							
33.0	4300	28300	41.87							
37.0	4300	27100	38.30							
41.0	4300	25700	34.23							
45.0	4300	24500	30.82							
50.0	4300	23300	27.91							
57.0	4300	22000	24.75							
63.0	4300	20900	22.37							
74.0	4300	19100	18.96							
85.0	4300	17800	16.56							

KH97 n ₁ =1400 1/min				4300Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	18.5 22.0	30.0					
101	4300	16100	13.85							
117	3890	16200	11.99							
134	2870	16400	10.41							
161	2660	15800	8.71							
186	2400	15700	7.54							

KH107 n ₁ =1400 1/min				8000Nm						
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	3.00	4.00	5.50 7.50	11.0 15.0	18.5 22.0	30.0 ~45.0	
9.80	8000	65000	143.47							
12.0	8000	61500	121.46							
12.0	8000	59300	112.41							
14.0	8000	56200	100.75							
15.0	8000	53500	90.96							
17.0	8000	50900	82.61							
19.0	8000	47900	73.30							
21.0	8000	45400	66.52							
24.0	8000	41700	57.17							
28.0	7840	39300	49.90							
33.0	7360	37900	42.33							
38.0	7200	35800	37.00							
43.0	7200	33200	32.69							
45.0	6800	34200	31.28							
48.0	7200	30700	29.00							
53.0	7200	28800	26.32							
62.0	7200	25800	22.62							
71.0	7200	23200	19.74							
84.0	7050	21000	16.75							
96.0	6890	19500	14.64							
104	4300	29200	13.43							
119	4300	27500	11.73							
141	4190	25800	9.94							
161	4070	24600	8.69							
190	3600	24400	7.35							

KH127 n ₁ =1400 1/min				13000Nm					
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	7.50	11.0 15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0	
9.60	13000	79200	146.07						
10.0	13000	79200	136.14						
11.0	13000	79200	122.48						
13.0	13000	79200	110.18						
16.0	13000	75100	89.89						
17.0	13000	72100	81.98						
20.0	13000	67700	70.95						

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

KH127 $n_1=1400$ 1/min				13000Nm				
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	7.50	11.0 15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0
22.0	13000	64000	62.60					
26.0	13000	59800	54.07					
29.0	13000	56500	47.82					
35.0	13000	52000	40.19					
39.0	13000	49400	36.25					
45.0	13000	45900	31.37					
51.0	13000	43000	27.68					
59.0	13000	39800	23.91					
66.0	13000	37200	21.15					
79.0	13000	32600	17.77					
98.0	12100	31000	14.35					
109	8530	35400	12.79					
130	8000	33900	10.74					
161	7230	32500	8.68					

KH157 $n_1=1400$ 1/min				18000Nm					
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	11.0 15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0	110 132	160
9.30	18000	112200	150.41						
11.0	18000	106500	122.39						
14.0	18000	98000	100.22						
15.0	18000	94400	91.65						
18.0	18000	88900	79.75						
20.0	18000	84200	70.38						
23.0	18000	79000	61.02						
26.0	18000	74900	54.29						
30.0	18000	70000	46.79						
37.0	18000	63400	38.02						
45.0	18000	57500	31.30						
51.0	18000	54000	27.62						
58.0	18000	50000	23.95						
66.0	18000	47000	21.31						
76.0	18000	43200	18.37						
94.0	18000	38200	14.92						
111	17000	36700	12.65						

KH167 $n_1=1400$ 1/min				32000Nm					
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	11.0 15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0	110 132	160
8.50	32000	150000	164.50						
10.0	32000	150000	134.99						
13.0	32000	150000	109.83						
16.0	32000	147200	87.86						
18.0	32000	140100	78.14						
21.0	32000	132000	68.07						

KH167 $n_1=1400$ 1/min				32000Nm					
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	11.0 15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0	110 132	160
23.0	32000	125600	60.74						
27.0	32000	117000	51.77						
33.0	32000	107400	42.89						
38.0	32000	99700	36.61						
43.0	32000	93700	32.25						
49.0	32000	88600	28.77						
57.0	32000	81700	24.52						
69.0	32000	74000	20.32						
81.0	32000	67900	17.34						

KH187 $n_1=1400$ 1/min				50000Nm					
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	18.5 22.0	30.0 ~45.0	55.0 ~90.0	110 132	160	
7.80	50000	190000	179.86						
8.50	50000	190000	165.21						
9.70	50000	190000	144.59						
11.0	50000	188200	129.69						
12.0	50000	177200	112.60						
14.0	50000	169900	102.16						
16.0	50000	159000	88.00						
19.0	50000	147000	73.96						
22.0	50000	137600	64.04						
26.0	50000	126100	53.36						
31.0	50000	116600	45.50						
33.0	50000	112700	42.51						
36.0	50000	107200	38.57						
42.0	50000	99100	33.23						
50.0	50000	90200	27.92						
58.0	47600	86800	24.18						
69.0	43900	84000	20.15						
81.0	41400	80800	17.18						

K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

4. 7 KH..性能參數 / KH.. Performance Parameters

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =0.12kw						
0.08	10800	17550	80300	1.20	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..63M1-4 AM63 AD2
0.09	9890	16006	80700	1.30		
0.09	9260	14975	81000	1.40		
0.11	7690	12440	81600	1.70		
0.13	6750	10915	81900	1.95		
0.14	6070	9819	82000	2.10		
0.16	5180	8443	82300	2.50		
0.18	4620	7482	82400	2.80		
P _i =0.12kw						
0.10	8850	14311	65000	0.90	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..63M1-4 AM63 AD2
0.11	7550	12211	65000	1.05		
0.13	6600	10677	65000	1.20		
0.14	5890	9524	65000	1.35		
0.17	5150	8328	65000	1.55		
0.19	4490	7270	65000	1.80		
0.22	3700	6184	65000	2.20		
0.24	3210	5662	65000	2.50		
0.27	2910	5138	65000	2.70		
0.32	2670	4359	65000	3.00		
P _i =0.12kw						
0.17	5460	8054	39400	0.80	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..63M1-4 AM63 AD2
0.20	4420	6970	40000	0.95		
0.23	4000	6027	40000	1.05		
0.26	3650	5391	40000	1.20		
0.30	3020	4669	40000	1.40		
0.34	2730	4082	40000	1.55		
0.39	2370	3583	40000	1.80		
0.44	2090	3108	40000	2.00		
0.50	1770	2757	40000	2.40		
0.57	1650	2419	40000	2.60		
0.65	1420	2123	40000	3.00		
0.74	1270	1856	40000	3.40		
0.85	1040	1625	40000	4.10		
0.96	890	1430	40000	4.80		
P _i =0.12kw						
1.10	860	1261	40000	5.00	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..63M1-4 AM63 AD2
1.20	755	1102	40000	5.70		
P _i =0.12kw						
0.26	3470	5240	26200	0.80	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..63M1-4 AM63 AD2
0.30	2890	4562	27000	0.95		
0.34	2680	4037	27300	1.00		
0.38	2390	3609	27600	1.15		
0.44	2060	3107	28000	1.30		
0.51	1730	2728	28300	1.55		
0.58	1530	2371	28400	1.75		
0.66	1430	2088	28500	1.90		
0.74	1270	1854	28600	2.10		
0.83	1130	1657	28700	2.40		
0.97	960	1415	28800	2.80		
1.10	830	1229	28900	3.20		
1.30	720	1078	28900	3.70		
1.40	610	951	29000	4.40		
1.60	520	837	29000	5.20		
1.90	450	726	29000	5.90		
P _i =0.12kw						
0.51	1840	2717	11500	0.85	KH 77 KRF37 KHF 77 KRF37 KHA 77 KRF37 KHAF 77 KRF37	Y..63M1-4 AM63 AD2
0.58	1530	2370	11500	1.00		
0.67	1430	2050	11600	1.10		
0.78	1220	1772	11700	1.25		
0.91	1040	1514	11800	1.50		
0.99	960	1388	11800	1.60		
1.10	840	1218	11900	1.85		
1.30	735	1053	11900	2.10		
1.50	645	924	11900	2.40		
1.70	570	815	11900	2.70		
2.00	445	709	11900	3.50		
2.20	390	622	11900	3.90		
P _i =0.12kw						
1.00	960	1351	6940	0.85	KH 67 KRF37 KHF 67 KRF37 KHA 67 KRF37 KHAF 67 KRF37	Y..63M1-4 AM63 AD2
1.20	820	1171	10300	1.00		
1.30	720	1034	11100	1.15		
1.50	600	903	11900	1.35		
1.70	570	793	12100	1.45		
2.00	455	697	12600	1.80		
2.20	400	613	12800	2.00		
P _i =0.12kw						
2.60	350	542	13000	2.30	KH 67 KRF37 KHF 67 KRF37 KHA 67 KRF37 KHAF 67 KRF37	Y..63M1-4 AM63 AD2
2.90	325	471	13000	2.50		
3.30	270	420	13000	3.00		
3.80	245	361	13000	3.30		
4.30	215	323	13000	3.80		
5.00	181	279	13000	4.50		
5.60	159	246	13000	5.20		
6.40	139	217	13000	5.90		
P _i =0.12kw						
1.50	605	906	7580	1.00	KH 57 KRF37 KHF 57 KRF37 KHA 57 KRF37 KHAF 57 KRF37	Y..63M1-4 AM63 AD2
1.70	545	806	8060	1.10		
2.00	455	699	8620	1.30		
2.20	400	615	8870	1.50		
2.50	350	544	9080	1.70		
2.90	320	473	9190	1.85		
3.30	270	421	9390	2.20		
3.80	245	362	9470	2.40		
4.30	215	319	9570	2.80		
4.90	181	280	9690	3.30		
5.60	160	246	9760	3.80		
6.40	141	215	9810	4.30		
7.20	126	192	9850	4.80		
P _i =0.12kw						
2.50	380	552	6170	1.05	KH 47 KRF37 KHF 47 KRF37 KHA 47 KRF37 KHAF 47 KRF37	Y..63M1-4 AM63 AD2
2.80	320	495	6840	1.25		
3.20	285	426	7160	1.40		
3.70	240	375	7510	1.65		
4.20	225	327	7620	1.75		
4.80	198	289	7780	2.00		
P _i =0.12kw						
4.00	240	346	3540	0.80	KH 37 KRF17 KHF 37 KRF17 KHA 37 KRF17 KHAF 37 KRF17	Y..63M1-4 AM63
4.50	205	304	3570	0.95		
5.20	189	267	3760	1.05		
5.90	163	234	4010	1.20		
6.70	142	205	4180	1.40		
7.60	124	181	4300	1.60		
8.60	109	160	4400	1.85		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=0.12kw								
10.0	91	136	6490	2.20	KH 37 KRF17 KHF 37 KRF17 KHA 37 KRF17 KHAF 37 KRF17	Y..63M _i -4 AM63		
9.50	120	145.14	9870	5.00	KH 57 KHF 57 KHA 57 KHAF 57	Y..63M _i -4 AM63 AD2		
11.0	103	123.85	9920	5.80				
13.0	90	108.29	9950	6.70				
13.0	85	102.88	9960	7.00				
15.0	75	90.26	9990	8.00				
10.0	110	131.87	8140	3.60	KH 47 KHF 47 KHA 47 KHAF 47	Y..63M _i -4 AM63 AD2		
11.0	101	121.48	8170	4.00				
13.0	88	106.38	6500	2.30	KH 37 KHF 37 KHA 37 KHAF 37	Y..63M _i -4 AM63 AD1		
14.0	81	97.81	6530	2.50				
16.0	70	83.69	6570	2.90				
19.0	60	72.54	6600	3.30				
20.0	56	67.8	6610	3.60				
24.0	49	58.6	6430	4.10				
28.0	41	49.79	6130	4.80				
31.0	37	44.46	5930	5.40				
36.0	32	37.97	5660	6.40				
39.0	30	35.57	5550	6.80				
46.0	25	29.96	5270	8.00	KH 37 KHF 37 KHA 37 KHAF 37	Y..63M _i -4 AM63 AD2		
48.0	24	28.83	5200	8.40				
55.0	21	24.99	4980	9.60				
59.0	19	23.36	4880	10.0				
68.0	17	20.19	4660	11.0				
80.0	14	17.15	4430	13.0				
90.0	13	15.31	4280	14.0				
105	11	13.08	4070	15.0				
114	10	12.14	3970	16.0				
P_i=0.18kw								
0.09	15700	14975	74400	0.80	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..63M _i -4 AM63 AD2		
0.11	13100	12440	79100	1.00				
0.12	11500	10915	80000	1.15				
0.13	10300	9819	80500	1.25				
0.16	8870	8443	81100	1.45				
0.18	7880	7482	81500	1.65				
0.20	6910	6565	81800	1.90				
0.23	5880	5804	82100	2.20				
0.26	5210	5027	82300	2.50				
0.30	4480	4423	82400	2.90				
0.34	3900	3889	82500	3.30				
0.40	3240	3311	82600	4.00				
0.16	8770	8328	65000	0.90			KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..63M _i -4 AM63 AD2
0.18	7660	7270	65000	1.05				
0.21	6410	6184	65000	1.25				
0.23	5690	5662	65000	1.40				
0.26	5160	5138	65000	1.55				
0.30	4580	4359	65000	1.75				
P_i=0.18kw								
0.35	4000	3810	65000	2.00	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..63M _i -4 AM63 AD2		
0.39	3400	3358	65000	2.40				
0.44	3080	2977	65000	2.60				
0.51	2690	2599	65000	3.00				
0.58	2310	2286	65000	3.40				
0.28	5050	4669	39800	0.85	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..63M _i -4 AM63 AD2		
0.32	4530	4082	40000	0.95				
0.37	3940	3583	40000	1.10				
0.42	3450	3108	40000	1.25				
0.48	2980	2757	40000	1.45				
0.55	2720	2419	40000	1.60				
0.62	2360	2123	40000	1.80				
0.71	2090	1856	40000	2.10				
0.81	1760	1625	40000	2.40				
0.92	1520	1430	40000	2.80				
1.00	1420	1261	40000	3.00				
1.20	1240	1102	40000	3.50				
1.40	1080	957	40000	4.00				
1.50	970	855	40000	4.40				
1.80	770	743	40000	5.60	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..63M _i -4 AM63 AD3		
2.00	690	652	40000	6.20				
0.42	3430	3107	26200	0.80	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..63M _i -4 AM63 AD2		
0.48	2920	2728	27000	0.90				
0.56	2560	2371	27400	1.05				
0.63	2350	2088	27700	1.15				
0.71	2080	1854	28000	1.30				
0.80	1860	1657	28200	1.45	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..63M _i -4 AM63 AD2		
0.93	1590	1415	28400	1.70				
1.10	1380	1229	28600	1.95				
1.20	1200	1078	28700	2.20				
1.40	1030	951	28800	2.60				
1.60	890	837	28800	3.00				
1.80	775	726	28900	3.50				
0.87	1710	1514	14100	0.90			KH 77 KRF37 KHF 77 KRF37 KHA 77 KRF37 KHAF 77 KRF37	Y..63M _i -4 AM63 AD2
0.95	1570	1388	15200	1.00				
1.10	1380	1218	16500	1.10				
1.20	1200	1053	17400	1.30				
1.40	1050	924	18100	1.45	KH 77 KRF37 KHF 77 KRF37 KHA 77 KRF37 KHAF 77 KRF37	Y..63M _i -4 AM63 AD2		
1.60	930	815	18600	1.65				
1.90	760	709	19100	2.00				
2.10	665	622	19300	2.30				
2.40	600	552	19500	2.60				
2.70	525	485	19600	2.90				
3.10	465	428	19800	3.30				
3.60	410	367	19800	3.80				
1.70	920	793	9240	0.90	KH 67 KRF37 KHF 67 KRF37 KHA 67 KRF37 KHAF 67 KRF37	Y..63M _i -4 AM63 AD2		
1.90	760	697	10800	1.05				
2.20	670	613	11500	1.20				
2.40	590	542	12000	1.40				
2.80	535	471	12200	1.50				
3.20	455	420	12600	1.80				

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.18kw						
3.60	405	361	12800	2.00	KH 67 KRF37	Y..63M _i -4
4.10	360	323	12900	2.30	KHF 67 KRF37	AM63
4.70	300	279	13000	2.70	KHA 67 KRF37	AD2
					KHAF 67 KRF37	
2.40	590	544	7690	1.00	KH 57 KRF37 KHF 57 KRF37 KHA 57 KRF37 KHAF 57 KRF37	Y..63M _i -4 AM63 AD2
2.80	535	473	8150	1.10		
3.10	455	421	8620	1.30		
3.60	405	362	8840	1.45		
4.10	360	319	9050	1.65		
4.70	300	280	9270	1.95		
5.40	265	246	9400	2.20		
6.10	235	215	9510	2.50	KH 57 KRF37 KHF 57 KRF37 KHA 57 KRF37 KHAF 57 KRF37	Y..63M _i -4 AM63 AD2
6.90	210	192	9600	2.80		
7.90	182	166	9690	3.30		
3.50	405	375	5600	1.00	KH 47 KRF37 KHF 47 KRF37 KHA 47 KRF37 KHAF 47 KRF37	Y..63M _i -4 AM63 AD2
4.00	365	327	6320	1.10		
4.60	325	289	6800	1.20		
5.20	275	256	7240	1.45		
5.90	250	225	7450	1.60		
6.70	215	198	7680	1.85		
7.70	188	171	7840	2.10		
8.60	168	153	7930	2.40		
10.0	147	131	8020	2.70		
6.40	230	205	4860	0.85	KH 37 KRF17 KHF 37 KRF17 KHA 37 KRF17 KHAF 37 KRF17	Y..63M _i -4 AM63 -
7.30	200	181	5590	1.00		
8.20	180	160	5860	1.10		
9.70	151	136	6110	1.35		
10.0	145	127	6160	1.40		
6.00	285	144.79	13000	2.90	KH 67 KHF 67 KHA 67 KHAF 67	Y..71M _i -6 AM71 AD2
7.00	240	123.54	13000	3.40		
8.00	210	108.03	13000	3.80		
8.50	200	102.62	13000	4.00		
9.10	188	144.79	13000	4.40	KH 67 KHF 67 KHA 67 KHAF 67	Y..63M _i -4 AM63 AD2
11.0	161	123.54	13000	5.10		
12.0	141	108.03	13000	5.80		
6.00	285	145.14	9340	2.10	KH 57 KHF 57 KHA 57 KHAF 57	Y..71M _i -6 AM71 AD2
7.00	240	123.85	9480	2.40		
8.00	210	108.29	9590	2.80		
8.50	200	102.88	9620	3.00		
9.60	178	90.26	9700	3.40		
9.10	189	145.14	9670	3.20	KH 57 KHF 57 KHA 57 KHAF 57	Y..63M _i -4 AM63 AD2
11.0	161	123.85	9750	3.70		
12.0	141	108.29	9810	4.30		
13.0	134	102.88	9830	4.50		
15.0	118	90.26	9880	5.10	KH 57 KHF 57 KHA 57 KHAF 57	Y..63M _i -4 AM63 AD2
17.0	100	76.56	9920	6.00		

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=0.18kw								
6.60	260	131.87	7380	1.55	KH 47 KHF 47 KHA 47 KHAF 47	Y..71M _i -6 AM71 AD2		
7.20	240	121.48	7530	1.65				
8.30	205	104.37	7740	1.95				
9.60	180	90.86	7880	2.20				
10.0	168	85.12	7930	2.40				
10.0	172	131.87	7910	2.30	KH 47 KHF 47 KHA 47 KHAF 47	Y..63M _i -4 AM63 AD2		
11.0	158	121.48	7970	2.50				
13.0	136	104.37	8060	2.90				
15.0	118	90.86	8120	3.40	KH 47 KHF 47 KHA 47 KHAF 47	Y..63M _i -4 AM63 AD2		
16.0	111	85.12	8140	3.60				
8.20	210	106.38	5520	0.95	KH 37 KHF 37 KHA 37 KHAF 37	Y..71M _i -6 AM71 AD1		
8.90	193	97.81	5710	1.05				
10.0	165	83.69	5990	1.20				
12.0	143	72.54	6170	1.40				
12.0	138	106.38	6210	1.45	KH 37 KHF 37 KHA 37 KHAF 37	Y..63M _i -4 AM63 AD1		
14.0	127	97.81	6280	1.55				
16.0	109	83.69	6400	1.85				
18.0	94	72.54	6470	2.10				
19.0	88	67.8	6500	2.30				
23.0	76	58.6	6280	2.60				
27.0	65	49.79	6010	3.10				
30.0	58	44.46	5830	3.40				
35.0	49	37.97	5580	4.00				
37.0	46	35.57	5480	4.30				
44.0	39	29.96	5220	5.10				
46.0	38	28.83	5160	5.30				
53.0	32	24.99	4950	6.20				
57.0	30	23.36	4850	6.40				
65.0	26	20.19	4650	7.00				
77.0	22	17.15	4430	8.10				
86.0	20	15.31	4280	8.80				
101	17	13.08	4080	9.70	KH 37 KHF 37 KHA 37 KHAF 37	Y..63M _i -4 AM63 AD2		
109	16	12.14	3980	10.0				
126	14	10.49	3810	12.0				
148	12	8.91	3620	14.0				
166	10	7.96	3490	15.0				
P_i=0.25kw								
0.13	15100	9819	75600	0.85	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..71M _i -4 AM71 AD2		
0.15	13000	8443	79200	1.00				
0.17	11500	7482	79900	1.10				
0.20	10100	6565	80600	1.30				
0.22	8750	5804	81200	1.50				
0.26	7690	5027	81600	1.70				
0.29	6660	4423	81900	1.95				
0.33	5820	3889	82100	2.20				
0.39	4870	3311	82300	2.70				

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.25kw						
0.21	9460	6184	65000	0.85	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..71M _i -4 AM71 AD2
0.23	8480	5662	65000	0.95		
0.25	7690	5138	65000	1.05		
0.30	6730	4359	65000	1.20		
0.34	5880	3810	65000	1.35	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..71M _i -4 AM71 AD2
0.39	5060	3358	65000	1.60		
0.44	4550	2977	65000	1.75		
0.50	3970	2599	65000	2.00		
0.57	3440	2286	65000	2.30	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..71M _i -4 AM71 AD2
0.67	2920	1939	65000	2.70		
0.76	2670	1713	65000	3.00		
0.84	2430	1554	65000	3.30		
0.97	2080	1336	65000	3.80	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..71M _i -4 AM71 AD3
0.42	4980	3108	39900	0.85		
0.47	4350	2757	40000	1.00		
0.54	3920	2419	40000	1.10		
0.61	3420	2123	40000	1.25	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..71M _i -4 AM71 AD2
0.70	3010	1856	40000	1.40		
0.80	2570	1625	40000	1.65		
0.91	2240	1430	40000	1.90		
1.00	2050	1261	40000	2.10	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..71M _i -4 AM71 AD2
1.20	1790	1102	40000	2.40		
1.40	1560	957	40000	2.70		
1.50	1400	855	40000	3.10		
0.62	3390	2088	26300	0.80	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..71M _i -4 AM71 AD2
0.70	3010	1854	26900	0.90		
0.78	2690	1657	27300	1.00		
0.92	2290	1415	27800	1.15		
1.10	1990	1229	28100	1.35		
1.20	1730	1078	28300	1.55		
1.40	1500	951	28500	1.80		
1.60	1310	837	28600	2.10		
1.80	1130	726	28700	2.40		
2.00	1010	638	28800	2.70	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..71M _i -4 AM71 AD3
1.20	1720	1053	14000	0.90		
1.40	1510	924	15600	1.00		
1.60	1330	815	16700	1.15		
1.80	1110	709	17800	1.40	KH 77 KRF37 KHF 77 KRF37 KHA 77 KRF37 KHAF 77 KRF37	Y..71M _i -4 AM71 AD2
2.10	970	622	18400	1.60		
2.40	870	552	18700	1.75		
2.70	765	485	19100	2.00		
3.00	675	428	19300	2.30		

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.25kw						
3.50	590	367	19500	2.60	KH 77 KRF37 KHF 77 KRF37 KHA 77 KRF37 KHAF 77 KRF37	Y..71M _i -4 AM71 AD2
4.00	525	328	19600	2.90		
4.50	465	290	19700	3.30		
5.20	400	252	19900	3.80		
5.90	350	221	19900	4.40		
6.70	310	195	20000	5.00		
7.40	270	175	20000	5.60		
2.10	970	613	5680	0.85		
2.40	860	542	9920	0.95		
2.80	775	471	10700	1.05		
3.10	665	420	11500	1.25		
3.60	590	361	11900	1.4		
4.00	520	323	12300	1.55		
4.70	440	279	12600	1.85		
5.30	390	246	12800	2.10		
6.00	345	217	13000	2.40		
3.10	665	421	4200	0.90	KH 57 KRF37 KHF 57 KRF37 KHA 57 KRF37 KHAF 57 KRF37	Y..71M _i -4 AM71 AD2
3.60	590	362	7690	1.00		
4.10	520	319	8260	1.15		
4.60	440	280	8680	1.35		
5.30	390	246	8920	1.55		
6.00	345	215	9110	1.75		
6.80	305	192	9260	1.95		
7.80	265	166	9410	2.30		
9.00	230	145	9530	2.60		
10.0	210	129	9600	2.80		
12.0	178	111	9700	3.40		
13.0	156	97	9770	3.80		
4.70	510	192.18	19700	2.80	KH 77 KHF 77 KHA 77 KHAF 77	Y..71M _i -6 AM71 AD2
5.00	475	179.37	19700	3.00		
5.80	410	154.02	19800	3.80		
6.60	360	135.28	19900	4.30		
6.20	385	144.79	12900	2.10	KH 67 KHF 67 KHA 67 KHAF 67	Y..71M _i -6 AM71 AD2
7.20	325	123.54	13000	2.50		
8.30	285	108.03	13000	2.80		
8.70	270	102.62	13000	3.00		
9.00	265	144.79	13000	3.10	KH 67 KHF 67 KHA 67 KHAF 67	Y..71M _i -4 AM71 AD2
11.0	225	123.54	13000	3.60		
12.0	198	108.03	13000	4.10		
13.0	188	102.62	13000	4.40		
6.20	385	145.14	8940	1.55	KH 57 KHF 57 KHA 57 KHAF 57	Y..71M _i -6 AM71 AD2
7.20	330	123.85	9170	1.80		
8.30	285	108.29	9330	2.10		
8.70	270	102.88	9380	2.20		
9.90	240	90.26	9500	2.50		
12.0	200	76.56	9620	2.90		
9.00	265	145.14	9410	2.20	KH 57 KHF 57 KHA 57 KHAF 57	Y..71M _i -4 AM71 AD2
10.0	225	123.85	9540	2.60		
12.0	199	108.29	9640	3.00		
13.0	189	102.88	9670	3.20		
14.0	166	90.26	9740	3.60		
17.0	141	76.56	9810	4.30		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n _i		M _i	i	Fr	K	Frame size	Input Configuration
[1/min]		[Nm]		[N]			
P_i=0.25kw							
6.80	350	131.87	6540	1.15		KH 47	Y..71M _i -6
7.40	320	121.48	6830	1.25		KHF 47	AM71
8.60	275	104.37	7240	1.45		KHA 47	AD2
9.80	240	90.86	7510	1.65		KHAF 47	
11.0	225	85.12	7610	1.75			
9.90	240	131.87	7510	1.65		KH 47	Y..71M _i -4
11.0	220	121.48	7640	1.80		KHF 47	AM71
12.0	192	104.37	7820	2.10		KHA 47	AD2
14.0	167	90.86	7930	2.40		KHAF 47	
15.0	156	85.12	7980	2.60			
11.0	220	83.69	5350	0.90		KH 37	Y..71M _i -6
12.0	194	72.54	5710	1.05		KHF 37	AM71
13.0	181	67.8	5840	1.10		KHA 37	AD1
15.0	156	58.6	6070	1.30		KHAF 37	
18.0	133	49.79	6250	1.50			
12.0	195	106.38	5690	1.00			
13.0	180	97.81	5860	1.10			
16.0	154	83.69	6090	1.30		KH 37	Y..71M _i -4
18.0	133	72.54	6240	1.50		KHF 37	AM71
19.0	124	67.8	6220	1.60		KHA 37	AD1
22.0	108	58.6	6030	1.85		KHAF 37	
26.0	91	49.79	5810	2.20			
29.0	82	44.46	5650	2.40			
34.0	70	37.97	5430	2.90		KH 37	Y..71M _i -4
37.0	65	35.57	5340	3.10		KHF 37	AM71
						KHA 37	AD1
						KHAF 37	
43.0	55	29.96	5100	3.60			
45.0	53	28.83	5050	3.80			
52.0	46	24.99	4860	4.40			
56.0	43	23.36	4770	4.60			
64.0	37	20.19	4580	5.00		KH 37	Y..71M _i -4
76.0	32	17.15	4370	5.70		KHF 37	AM71
85.0	28	15.31	4220	6.20		KHA 37	AD2
99.0	24	13.08	4030	6.90		KHAF 37	
107	22	12.14	3940	7.20			
124	19	10.49	3780	8.30			
146	16	8.91	3590	9.80			
163	15	7.96	3470	11.0			
191	12	6.8	3300	12.0		KH 37	Y..71M _i -4
204	12	6.37	3240	12.0		KHF 37	AM71
						KHA 37	AD2
						KHAF 37	
P_i=0.37kw							
0.18	16500	7482	72700	0.80			
0.21	14500	6565	76900	0.90			
0.24	12600	5804	79400	1.05		KH 127 KRF77	Y..71M _i -4
0.27	11000	5027	80200	1.20		KHF 127 KRF77	AM71
0.31	9610	4423	80800	1.35		KHA 127 KRF77	AD2
0.35	8410	3889	81300	1.55		KHAF127 KRF77	
0.42	7080	3311	81800	1.85			
P_i=0.37kw							
0.72	4280	1926	82400	3.00		KH 127 KRF77	Y..71M _i -4
0.79	3900	1757	82500	3.30		KHF 127 KRF77	AM71
0.90	3390	1541	82600	3.80		KHA 127 KRF77	AD3
						KHAF127 KRF77	
0.36	8420	3810	65000	0.95			
0.41	7290	3358	65000	1.10		KH 107 KRF77	Y..71M _i -4
0.46	6530	2977	65000	1.20		KHF 107 KRF77	AM71
0.53	5700	2599	65000	1.40		KHA 107 KRF77	AD2
0.60	4960	2286	65000	1.60		KHAF107 KRF77	
0.71	4210	1939	65000	1.90			
0.81	3830	1713	65000	2.10		KH 107 KRF77	Y..71M _i -4
0.89	3470	1554	65000	2.30		KHF 107 KRF77	AM71
1.00	2990	1336	65000	2.70		KHA 107 KRF77	AD3
1.20	2600	1166	65000	3.10		KHAF107 KRF77	
0.65	4850	2123	40000	0.90			
0.74	4270	1856	40000	1.00			
0.85	3670	1625	40000	1.15			
0.96	3200	1430	40000	1.35		KH 97 KRF57	Y..71M _i -4
1.10	2900	1261	40000	1.50		KHF 97 KRF57	AM71
1.20	2530	1102	40000	1.70		KHA 97 KRF57	AD2
1.40	2220	957	40000	1.95		KHAF 97 KRF57	
1.60	1980	855	40000	2.20			
2.40	1310	573	40000	3.30			
1.90	1640	743	40000	2.60		KH 97 KRF57	Y..71M _i -4
2.10	1450	652	40000	3.00		KHF 97 KRF57	AM71
						KHA 97 KRF57	AD3
						KHAF 97 KRF57	
1.90	1640	743	40000	2.60		KH 97 KRF57	Y..71M _i -4
2.10	1450	652	40000	3.00		KHF 97 KRF57	AM71
						KHA 97 KRF57	AD3
						KHAF 97 KRF57	
0.97	3250	1415	26500	0.85			
1.10	2820	1229	27100	0.95		KH 87 KRF57	Y..71M _i -4
1.30	2460	1078	27600	1.10		KHF 87 KRF57	AM71
1.40	2140	951	27900	1.25		KHA 87 KRF57	AD2
1.60	1870	837	28200	1.45		KHAF 87 KRF57	
1.90	1620	726	28400	1.65			
2.20	1440	638	28500	1.85			
2.50	1250	562	28600	2.20		KH 87 KRF57	Y..71M _i -4
2.90	1050	474	28800	2.60		KHF 87 KRF57	AM71
3.20	950	426	28800	2.80		KHA 87 KRF57	AD3
3.70	830	373	28900	3.20		KHAF 87 KRF57	
1.70	1880	815	7450	0.80			
2.00	1590	709	15100	0.95			
2.20	1390	622	16400	1.10			
2.50	1250	552	17200	1.25		KH 77 KRF37	Y..71M _i -4
2.80	1090	485	17900	1.40		KHF 77 KRF37	AM71
3.20	960	428	18400	1.60		KHA 77 KRF37	AD2
3.80	840	367	18900	1.85		KHAF 77 KRF37	
4.20	745	328	19100	2.10			
4.80	665	290	19400	2.30			
5.50	570	252	19600	2.70			

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=0.37kw								
6.20	500	221	19700	3.10	KH 77 KRF37	Y..71M ₁ -4 AM71 AD2		
7.10	440	195	19800	3.50	KHF 77 KRF37			
7.90	390	175	19900	4.00	KHA 77 KRF37			
9.00	345	154	19900	4.50	KHAF 77 KRF37			
3.30	940	420	8130	0.85	KH 67 KRF37 KHF 67 KRF37 KHA 67 KRF37 KHAF 67 KRF37	Y..71M ₁ -4 AM71 AD2		
3.80	830	361	10200	1.00				
4.30	740	323	10900	1.10				
5.00	630	279	11700	1.30				
5.60	555	246	12100	1.50				
7.20	430	191	12700	1.90				
8.30	370	166	12900	2.20				
9.60	325	144	13000	2.50				
11.0	275	122	13000	2.90				
4.90	630	280	7350	0.95	KH 57 KRF37 KHF 57 KRF37 KHA 57 KRF37 KHAF 57 KRF37	Y..71M ₁ -4 AM71 AD2		
5.60	555	246	7980	1.10				
6.40	490	215	8460	1.20				
7.20	435	192	8720	1.40				
8.30	375	166	8980	1.60				
11.0	295	129	9290	2.00				
12.0	250	111	9460	2.40				
14.0	220	97	9560	2.70				
4.60	770	197.37	28900	3.50	KH 87 KHF 87 KHA 87 KHAF 87	Y..80M ₁ -6 AM80 AD2		
5.20	680	174.19	28900	4.00				
5.90	600	154.02	19500	2.60				
6.70	525	135.28	19600	2.90				
7.00	500	128.52	19700	3.10	KH 77 KHF 77 KHA 77 KHAF 77	Y..80M ₁ -6 AM80 AD2		
8.00	440	113.56	19800	3.50				
7.20	490	192.18	19700	3.00				
7.70	455	179.37	19800	3.20				
9.00	390	154.02	19900	3.90	KH 77 KHF 77 KHA 77 KHAF 77	Y..71M ₁ -4 AM71 AD2		
7.30	480	123.54	12500	1.70				
8.40	420	108.03	12700	1.95				
8.80	400	102.62	12800	2.00				
10.0	350	90.04	13000	2.30	KH 67 KHF 67 KHA 67 KHAF 67	Y..80M ₁ -6 AM80 AD2		
9.50	370	144.79	12900	2.20				
11.0	315	123.54	13000	2.60				
13.0	275	108.03	13000	3.00				
15.0	230	90.04	13000	3.60	KH 67 KHF 67 KHA 67 KHAF 67	Y..71M ₁ -4 AM71 AD2		
18.0	196	76.37	13000	4.20				
7.30	480	123.85	8500	1.25			KH 57 KHF 57 KHA 57 KHAF 57	Y..80M ₁ -6 AM80 AD2
8.40	420	108.29	8780	1.40				
8.80	400	102.88	8880	1.50				
10.0	350	90.26	9080	1.70				
12.0	295	76.56	9290	2.00				
13.0	265	69.12	9400	2.20				

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.37kw						
9.50	370	145.14	9000	1.60	KH 57 KHF 57 KHA 57 KHAF 57	Y..71M ₁ -4 AM71 AD2
11.0	315	123.85	9220	1.90		
13.0	275	108.29	9370	2.20		
13.0	260	102.88	9420	2.30		
18.0	196	76.56	9640	3.10		
20.0	177	69.12	9700	3.40		
8.70	405	104.37	5720	1.00	KH 47 KHF 47 KHA 47 KHAF 47	Y..80M ₁ -6 AM80 AD2
10.0	350	90.86	6500	1.15		
11.0	330	85.12	6750	1.20		
12.0	290	75.20	7120	1.35		
10.0	335	131.87	6690	1.20	KH 47 KHF 47 KHA 47 KHAF 47	Y..71M ₁ -4 AM71 AD2
11.0	310	121.48	6960	1.30		
13.0	265	104.37	7330	1.50		
15.0	230	90.86	7580	1.70		
16.0	215	85.12	7670	1.85		
18.0	192	75.20	7810	2.10		
20.0	179	69.84	7880	2.20		
22.0	162	63.30	7960	2.50		
14.0	250	97.81	2520	0.80	KH 37 KHF 37 KHA 37 KHAF 37	Y..71M ₁ -4 AM71 AD1
16.0	210	83.69	5470	0.95		
19.0	186	72.54	5690	1.10		
20.0	174	67.8	5630	1.15		
24.0	150	58.6	5500	1.35		
28.0	128	49.79	5350	1.55		
31.0	114	44.46	5230	1.75		
36.0	97	37.97	5060	2.10		
39.0	91	35.57	4990	2.20		
46.0	77	29.96	4800	2.60		
48.0	74	28.83	4750	2.70		
55.0	64	24.99	4590	3.10		
59.0	60	23.36	4510	3.30		
68.0	52	20.19	4350	3.60		
80.0	44	17.15	4160	4.10		
90.0	39	15.31	4040	4.50		
105	34	13.08	3860	4.90		
114	31	12.14	3780	5.10		
132	27	10.49	3630	6.00		
155	23	8.91	3460	7.00		
173	20	7.96	3350	7.60		
203	17	6.8	3190	8.60		
217	16	6.37	3130	8.90	KH 37 KHF 37 KHA 37 KHAF 37	Y..71M ₁ -4 AM71 AD2
257	14	5.36	2970	10.0		
P_i=0.55kw						
0.08	54100	16978	190000	0.90	KH 187 KRF97 KHH 187 KRF97	Y..80M ₁ -4 AM80 AD3
0.10	45400	14272	190000	1.10		
0.11	41300	13116	190000	1.20		
0.12	36000	11647	190000	1.40		
0.19	23300	7343	190000	2.10		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.55kw						
0.12	36900	11573	150000	0.85	KH 167 KRF97 KHH 167 KRF97	Y..80M _i -4 AM80 AD3
0.13	32700	10264	150000	1.00		
0.16	27400	8628	150000	1.15		
0.21	20800	6562	150000	1.55		
0.26	16500	5355	150000	1.95		
0.34	12800	4079	150000	2.50		
0.20	21900	6881	110000	0.80	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..80M _i -4 AM80 AD3
0.23	18800	5931	111700	0.95		
0.35	12600	3979	114500	1.40		
0.45	9710	3051	115400	1.85		
0.31	14600	4423	76600	0.90	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..80M _i -4 AM80 AD2
0.35	12800	3889	79200	1.00		
0.42	10800	3311	80300	1.20		
0.46	9840	3009	80700	1.30		
0.53	8450	2607	81300	1.55		
0.72	6520	1926	81900	2.00		
0.79	5940	1757	82100	2.20	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..80M _i -4 AM80 AD3
0.90	5180	1541	82300	2.50		
1.00	4540	1342	82400	2.90		
1.20	3950	1177	82500	3.30		
1.40	3460	1025	82600	3.80		
0.46	9950	2977	65000	0.80		
0.53	8690	2599	65000	0.90		
0.60	7590	2286	65000	1.05		
0.71	6440	1939	65000	1.25		
0.81	5820	1713	65000	1.35	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..80M _i -4 AM80 AD3
0.89	5280	1554	65000	1.50		
1.00	4540	1336	65000	1.75		
1.20	3960	1166	65000	2.00		
1.30	3400	1030	65000	2.40		
1.50	2960	904	65000	2.70		
1.70	2680	793	65000	3.00		
2.00	2330	696	65000	3.40		
2.20	2010	615	65000	4.00		
0.96	4860	1430	40000	0.90		
1.10	4360	1261	40000	1.00		
1.20	3810	1102	40000	1.15		
1.40	3340	957	40000	1.30		
1.60	2990	855	40000	1.45		
2.40	1980	573	40000	2.20		
1.90	2500	743	40000	1.70	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..80M _i -4 AM80 AD3
2.10	2210	652	40000	1.95		
2.70	1690	504	40000	2.50		
3.20	1450	437	40000	3.00		
3.60	1300	382	40000	3.30		
4.50	1040	305	40000	4.10		
1.40	3250	951	26500	0.85		
1.60	2840	837	27100	0.95		
1.90	2470	726	27600	1.10		

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.55kw						
2.20	2180	638	27900	1.25	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..80M _i -4 AM80 AD3
2.50	1910	562	28100	1.40		
2.90	1610	474	28400	1.70		
3.20	1440	426	28500	1.85		
3.70	1270	373	28600	2.10		
4.20	1100	330	28700	2.40		
4.70	990	294	28800	2.70		
5.50	860	250	28900	3.10		
5.80	810	236	28900	3.30		
6.90	685	201	28900	3.90		
2.80	1660	485	14600	0.95	KH 77 KRF37 KHF 77 KRF37 KHA 77 KRF37 KHAF 77 KRF37	Y..80M _i -4 AM80 AD2
3.20	1460	428	16000	1.05		
3.80	1260	367	17100	1.20		
4.20	1120	328	17800	1.35		
4.80	1000	290	18300	1.55	KH 77 KRF37 KHF 77 KRF37 KHA 77 KRF37 KHAF 77 KRF37	Y..80M _i -4 AM80 AD2
5.50	860	252	18800	1.80		
6.20	755	221	19100	2.00		
7.10	665	195	19300	2.30		
7.90	595	175	19500	2.60		
9.00	525	154	19600	3.00		
5.00	950	279	7650	0.85	KH 67 KRF37 KHF 67 KRF37 KHA 67 KRF37 KHAF 67 KRF37	Y..80M _i -4 AM80 AD2
5.60	840	246	10100	0.95		
6.40	745	217	10900	1.10		
7.20	655	191	11600	1.25		
7.20	655	192	5460	0.90	KH 57 KRF37 KHF 57 KRF37 KHA 57 KRF37 KHAF 57 KRF37	Y..80M _i -4 AM80 AD2
8.30	570	166	7870	1.05		
9.60	500	145	8420	1.20		
11.0	445	129	8660	1.35		
12.0	380	111	8960	1.55		
14.0	335	97	9140	1.80		
4.60	1130	197.37	28700	2.40	KH 87 KHF 87 KHA 87 KHAF 87	Y..80M _i -6 AM80 AD2
5.20	990	174.19	28800	2.70		
5.60	940	164.34	28800	2.90		
6.20	840	147.32	28900	3.20		
5.90	880	154.02	18700	1.75	KH 77 KHF 77 KHA 77 KHAF 77	Y..80M _i -6 AM80 AD2
6.80	775	135.28	19100	2.00		
7.10	735	128.52	19200	2.10		
8.10	650	113.56	19400	2.40		
9.00	585	103.02	19500	2.60		
10.0	510	91.52	19700	3.00	KH 77 KHF 77 KHA 77 KHAF 77	Y..80M _i -4 AM80 AD2
11.0	485	87.52	19700	3.20		
12.0	430	80.56	19800	3.60		
14.0	365	69.05	19900	4.20		
7.40	705	123.54	11200	1.15		
8.50	620	108.03	11800	1.30		
8.90	585	102.62	12000	1.40		
10.0	515	90.04	12300	1.60		
12.0	435	76.37	12700	1.85		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

P ₁ =0.55kw								P ₁ =0.75kw								
n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration		n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
11.0	470	123.54	12500	1.75	KH 67	Y..80M ₁ -4 AM80 AD2		0.11	55500	13116	190000	0.90				
13.0	410	108.03	12800	2.00	KHF 67			0.12	48600	11647	190000	1.05				
15.0	340	90.04	13000	2.40	KHA 67			0.20	31300	7343	190000	1.60	KH 187 KRF97	Y..80M ₁ -4 AM80		
18.0	290	76.37	13000	2.80	KHAF 67			0.21	28500	6747	190000	1.75	KHH 187 KRF97	AM80 AD3		
8.40	620	108.29	7450	0.95		Y..80M ₁ -6 AM80 AD2		0.17	36800	8628	150000	0.85				
8.90	590	102.88	7710	1.00				0.22	28000	6562	150000	1.15				
10.0	515	90.26	8280	1.15	KH 57			0.27	22300	5355	150000	1.45	KH 167 KRF97	Y..80M ₁ -4 AM80		
12.0	435	76.56	8710	1.35	KHF 57			0.35	17200	4079	150000	1.85	KHH 167 KRF97	AM80 AD3		
13.0	395	69.12	8900	1.50	KHA 57			0.43	14400	3376	150000	2.20				
15.0	345	60.81	9100	1.70	KHAF 57											
16.0	325	57.42	9170	1.80												
11.0	470	123.85	8560	1.25		Y..80M ₁ -4 AM80 AD2		0.36	16900	3979	112700	1.05	KH 157 KRF97	Y..80M ₁ -4 AM80		
13.0	410	108.29	8830	1.45				0.47	13000	3051	114300	1.40	KHF 157 KRF97	AM80 AD3		
13.0	390	102.88	8920	1.55	KH 57											
15.0	340	90.26	9120	1.75	KHF 57											
18.0	290	76.56	9320	2.10	KHA 57											
20.0	260	69.12	9420	2.30	KHAF 57											
23.0	230	60.81	9530	2.60				0.87	7160	1659	116000	2.50	KH 157 KRF97	Y..80M ₁ -4 AM80		
24.0	215	57.42	9570	2.80												
13.0	395	104.37	5960	1.00		Y..80M ₁ -4 AM80 AD2										
15.0	345	90.86	6600	1.15												
16.0	320	85.12	6830	1.25	KH 47			1.00	5770	1365	116200	3.10	KHF 157 KRF97	Y..80M ₁ -4 AM80		
18.0	285	75.20	7180	1.40	KHF 47											
20.0	265	69.84	7340	1.50	KHA 47											
22.0	240	63.30	7520	1.65	KHAF 47											
24.0	215	56.83	7680	1.85												
28.0	186	48.95	7840	2.20				0.43	14500	3311	77000	0.90	KH 127 KRF77	Y..80M ₁ -4 AM80		
30.0	175	46.03	7900	2.30				0.48	13100	3009	79100	1.00	KHF 127 KRF77	AM80 AD2		
								0.55	11200	2607	80100	1.15	KHA 127 KRF77	AM80 AD2		
24.0	220	58.6	4840	0.90	KH 37	Y..80M ₁ -4 AM80 AD1		0.74	8650	1926	81200	1.50	KH 127 KRF77	Y..80M ₁ -4 AM80		
28.0	190	49.79	4780	1.05	KHF 37			0.82	7880	1757	81500	1.65	KHF 127 KRF77	AM80 AD3		
31.0	169	44.46	4730	1.20	KHA 37			0.93	6880	1541	81800	1.90	KHA 127 KRF77	AM80 AD3		
36.0	144	37.97	4630	1.40	KHAF 37			1.10	6020	1342	82100	2.20	KHAF127 KRF77	AM80 AD3		
39.0	135	35.57	4580	1.50												
46.0	114	29.96	4460	1.75		Y..80M ₁ -4 AM80 AD2		1.20	5250	1177	82200	2.50	KH 127 KRF77	Y..80M ₁ -4 AM80		
48.0	110	28.83	4420	1.80	KH 37			1.40	4600	1025	82400	2.80	KHF 127 KRF77	AM80 AD3		
55.0	95	24.99	4310	2.10	KHF 37			1.60	4010	899	82500	3.20	KHA 127 KRF77	AM80 AD3		
59.0	89	23.36	4250	2.20	KHA 37											
68.0	77	20.19	4120	2.40	KHAF 37			0.84	7710	1713	65000	1.05				
80.0	65	17.15	3970	2.80				0.92	7000	1554	65000	1.15				
90.0	58	15.31	3860	3.00		Y..80M ₁ -4 AM80 AD2		1.10	6020	1336	65000	1.35	KH 107 KRF77	Y..80M ₁ -4 AM80		
105	50	13.08	3720	3.30				1.20	5250	1166	65000	1.50	KHF 107 KRF77	AM80 AD3		
114	46	12.14	3650	3.50	KH 37			1.40	4540	1030	65000	1.75	KHA 107 KRF77	AM80 AD3		
132	40	10.49	3510	4.00	KHF 37			1.60	3960	904	65000	2.00	KHAF107 KRF77	AM80 AD3		
153	34	8.91	3360	4.70	KHA 37			1.80	3560	793	65000	2.20				
173	30	7.96	3260	5.10	KHAF 37			2.10	3100	696	65000	2.60				
203	26	6.8	3120	5.80				2.30	2690	615	65000	3.00				
217	24	6.37	3060	6.00	KH 37	Y..80M ₁ -4 AM80 AD2		1.30	5030	1102	39900	0.85	KH 97 KRF57	Y..80M ₁ -4 AM80		
257	20	5.36	2910	6.90	KHF 37			1.50	4410	957	40000	0.95	KHF 97 KRF57	AM80 AD2		
347	15	3.98	2670	8.30	KHA 37			1.70	3940	855	40000	1.10	KHA 97 KRF57	AM80 AD2		
					KHAF 37			2.50	2620	573	40000	1.65	KHAF 97 KRF57	AM80 AD2		
							1.90	3320	743	40000	1.30					
							2.20	2930	652	40000	1.45					
							2.80	2250	504	40000	1.90	KH 97 KRF57	Y..80M ₁ -4 AM80			
							3.30	1940	437	40000	2.20	KHF 97 KRF57	AM80 AD3			
							3.80	1720	382	40000	2.50	KHA 97 KRF57	AM80 AD3			
							4.70	1390	305	40000	3.10	KHAF 97 KRF57	AM80 AD3			

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=0.75kw								
5.60	1170	258	40000	3.70	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..80M _i -4 AM80 AD3		
6.20	1050	232	40000	4.10				
7.20	890	199	40000	4.80				
2.00	3270	726	26500	0.80			KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..80M _i -4 AM80 AD2
2.20	2890	638	27000	0.95	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..80M _i -4 AM80 AD3		
2.60	2530	562	27500	1.05				
3.00	2130	474	27900	1.25				
3.40	1910	426	28100	1.40				
3.80	1680	373	28300	1.60				
4.40	1470	330	28500	1.85				
4.90	1310	294	28600	2.0	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..80M _i -4 AM80 AD3		
5.70	1130	250	28700	2.4				
6.10	1070	236	28700	2.5				
7.10	910	201	28800	3.0				
3.90	1670	367	14400	0.95	KH 77 KRF37 KHF 77 KRF37 KHA 77 KRF37 KHAF 77 KRF37	Y..80M _i -4 AM80 AD2		
4.40	1490	328	15800	1.05				
5.00	1320	290	16800	1.15				
5.70	1140	252	17700	1.35				
6.50	1000	221	18300	1.55				
5.40	1320	174.19	28600	2.00	KH 87 KHF 87 KHA 87 KHAF 87	Y..90S-6 AM90 AD2		
5.70	1250	174.19	28600	2.20				
6.40	1120	147.32	28700	2.40				
7.40	960	126.91	28800	2.80				
7.30	980	197.37	28800	2.70	KH 87 KHF 87 KHA 87 KHAF 87	Y..80M _i -4 AM80 AD2		
8.20	860	174.19	28800	3.10				
8.70	820	164.34	28900	3.30				
9.70	735	147.32	28900	3.70				
7.00	1030	135.28	18200	1.50	KH 77 KHF 77 KHA 77 KHAF 77	Y..90S-6 AM90 AD2		
7.30	970	128.52	18400	1.60				
8.30	860	113.56	18800	1.80				
9.70	735	97.05	19200	2.10				
11.0	675	88.97	19300	2.30				
9.30	765	154.02	19100	2.00	KH 77 KHF 77 KHA 77 KHAF 77	Y..80M _i -4 AM80 AD2		
11.0	675	135.28	19300	2.30				
11.0	640	128.52	19400	2.40				
13.0	565	113.56	19600	2.70				
15.0	480	97.05	19700	3.20				
12.0	615	123.54	11800	1.35	KH 67 KHF 67 KHA 67 KHAF 67	Y..80M _i -4 AM80 AD2		
13.0	535	108.03	12200	1.50				
16.0	445	90.04	12600	1.80				
19.0	380	76.37	12900	2.20				
21.0	340	68.95	13000	2.40				
24.0	300	60.66	13000	2.70				
25.0	285	57.28	13000	2.90				
P_i=0.75kw								
12.0	615	123.85	7480	0.95	KH 57 KHF 57 KHA 57 KHAF 57	Y..80M _i -4 AM80 AD2		
13.0	540	108.29	8110	1.10				
14.0	510	102.88	8320	1.15				
16.0	450	90.26	8660	1.35				
19.0	380	76.56	8960	1.55				
21.0	345	69.12	9110	1.75				
24.0	300	60.81	9270	2.00				
25.0	285	57.42	9340	2.10				
29.0	240	48.89	9490	2.50				
32.0	220	44.43	9560	2.70				
19.0	375	75.20	6260	1.05			KH 47 KHF 47 KHA 47 KHAF 47	Y..80M _i -4 AM80 AD2
21.0	345	69.84	6570	1.15				
23.0	315	63.30	6910	1.25				
25.0	280	56.83	7200	1.40				
29.0	240	48.95	7500	1.65				
31.0	225	46.03	7600	1.75				
36.0	198	39.61	7780	2.00				
41.0	177	35.39	7700	2.30				
46.0	156	31.3	7490	2.60				
32.0	220	44.46	4170	0.90	KH 37 KHF 37 KHA 37 KHAF 37	Y..80M _i -4 AM80 AD1		
38.0	190	37.97	4140	1.05				
40.0	178	35.57	4130	1.15				
48.0	150	29.96	4060	1.35	KH 37 KHF 37 KHA 37 KHAF 37	Y..80M _i -4 AM80 AD2		
50.0	144	28.83	4040	1.40				
57.0	125	24.99	3970	1.60				
61.0	117	23.36	3930	1.65				
71.0	101	20.19	3840	1.85				
84.0	86	17.15	3720	2.10				
94.0	76	15.31	3640	2.30				
110	65	13.08	3520	2.50				
118	61	12.14	3460	2.60				
137	52	10.49	3350	3.00				
161	44	8.91	3220	3.60				
180	40	7.96	3130	3.90				
211	34	6.8	3000	4.40			KH 37 KHF 37 KHA 37 KHAF 37	Y..80M _i -4 AM80 AD2
225	32	6.37	2950	4.60				
268	27	5.36	2810	5.20				
361	20	3.98	2590	6.30				
P_i=1.1kw								
0.15	58700	9363	190000	0.85	KH 187 KRF97 KHH 187 KRF97	Y..90S-4 AM90 AD3		
0.17	50200	8126	190000	1.00				
0.19	47600	7343	190000	1.05				
0.21	43500	6747	190000	1.15				
0.24	38300	5991	190000	1.30				
0.27	33900	5358	190000	1.45	KH 187 KRF97 KHH 187 KRF97	Y..90S-4 AM90 AD4		
0.29	30200	4817	190000	1.65				
0.32	27400	4370	190000	1.80				
0.27	34200	5355	150000	0.95	KH 167 KHF97 KHH 167 KHF97	Y..90S-4 AM90 AD3		
0.30	30300	4788	150000	1.05				
0.35	26300	4079	150000	1.20				
0.42	21900	3376	150000	1.45				

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=1.1kw						
0.52	17600	2755	150000	1.80	KH 167 KRF97 KHH 167 KRF97	Y..90S-4 AM90 AD3
0.65	14300	2182	150000	2.20	KH 167 KRF97 KHH 167 KRF97	Y..90S-4 AM90 AD4
0.83	11100	1704	150000	2.90	KH 167 KRF97 KHH 167 KRF97	Y..90S-4 AM90 AD5
1.10	8460	1296	150000	3.80		
0.40	22200	3516	109700	0.80	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..90S-4 AM90 AD3
0.47	19800	3051	111200	0.90		
0.54	16300	2610	113000	1.10	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..90S-4 AM90 AD4
0.61	14500	2322	113700	1.25		
0.86	10800	1659	115000	1.65		
1.00	8840	1365	115600	2.00	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..90S-4 AM90 AD5
1.20	7880	1229	115800	2.30		
1.30	7010	1093	116000	2.60		
1.50	6040	942	116200	3.00		
1.70	5420	854	116300	3.30		
0.74	12900	1926	79200	1.00	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..90S-4 AM90 AD3
0.81	11800	1757	79800	1.10		
0.92	10300	1541	80500	1.25		
1.10	9030	1342	81100	1.45		
1.20	7900	1177	81500	1.65		
1.40	6900	1025	81800	1.90		
1.60	6030	899	82000	2.20		
1.80	5190	790	82300	2.50		
2.00	4700	704	82400	2.80	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..90S-4 AM90 AD4
2.30	4040	610	82500	3.20		
2.60	3650	549	82600	3.60		
3.00	3140	477	82600	4.10		
1.20	7870	1166	65000	1.00	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..90S-4 AM90 AD3
1.40	6860	1030	65000	1.15		
1.60	5990	904	65000	1.35		
1.80	5340	793	65000	1.50		
2.00	4670	696	65000	1.70		
2.30	4080	615	65000	1.95		
2.70	3460	522	65000	2.30		
3.10	3040	461	65000	2.60		
3.50	2680	408	65000	3.00		
3.90	2420	364	65000	3.30	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..90S-4 AM90 AD4
4.50	2120	318	65000	3.80		
2.50	3920	573	40000	1.10	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..90S-4 AM90 AD2

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=1.1kw						
1.90	4990	743	39900	0.85	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..90S-4 AM90 AD3
2.20	4390	652	40000	1.00		
2.80	3380	504	40000	1.25		
3.20	2920	437	40000	1.45		
3.70	2580	382	40000	1.65	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..90S-4 AM90 AD3
4.20	2280	342	40000	1.90		
3.00	3200	474	26600	0.85	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..90S-4 AM90 AD3
3.30	2870	426	27100	0.95		
3.80	2530	373	27500	1.05		
4.30	2210	330	27800	1.20		
4.80	1980	294	28100	1.35	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..90S-4 AM90 AD3
5.70	1700	250	28300	1.60		
6.00	1610	236	28400	1.70		
7.10	1360	201	28600	1.95		
5.30	1960	176.05	40000	2.20	KH 97 KHF 97 KHA 97 KHAF 97	Y..90L-6 AM90 AD3
6.10	1710	153.21	40000	2.50		
6.70	1560	140.28	40000	2.70		
7.60	1380	123.93	40000	3.10		
8.10	1300	176.05	40000	3.30	KH 97 KHF 97 KHA 97 KHAF 97	Y..90S-4 AM90 AD3
9.30	1130	153.21	40000	3.80		
10.0	1030	140.28	40000	4.10		
6.40	1640	147.32	28400	1.65	KH 87 KHF 87 KHA 87 KHAF 87	Y..90L-6 AM90 AD2
7.40	1410	126.91	28500	1.90		
8.20	1280	174.19	28600	2.10	KH 87 KHF 87 KHA 87 KHAF 87	Y..90S-4 AM90 AD2
8.60	1210	164.34	28700	2.20		
9.60	1080	147.32	28700	2.50		
11.0	930	126.91	28800	2.90		
12.0	850	115.82	28900	3.20		
8.30	1260	113.56	17100	1.20	KH 77 KHF 77 KHA 77 KHAF 77	Y..90L-6 AM90 AD2
9.70	1080	97.05	18000	1.45		
10.0	1000	135.28	18300	1.55		
11.0	950	128.52	18500	1.65		
12.0	840	113.56	18900	1.85	KH 77 KHF 77 KHA 77 KHAF 77	Y..90S-4 AM90 AD2
15.0	715	97.05	19200	2.20		
16.0	655	88.97	19400	2.40		
18.0	575	78.07	19500	2.70		
19.0	545	73.99	19600	2.80		
13.0	795	108.03	10500	1.05	KH 67 KHF 67 KHA 67 KHAF 67	Y..90S-4 AM90 AD2
14.0	755	102.62	10800	1.10		
16.0	665	90.04	11500	1.25		
19.0	560	76.37	12100	1.45		
21.0	510	68.95	12400	1.60		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n		M _i	i	Fr	K	Frame size	Input Configuration
[1/min]		[Nm]		[N]			
P_i=1.1kw							
23.0	445	60.66	12600	1.85	KH 67 KHF 67 KHA 67 KHAF 67	Y..90S-4 AM90 AD2	
25.0	420	57.28	12700	1.95			
29.0	360	48.77	12900	2.30			
32.0	325	44.32	13000	2.50			
37.0	280	38.39	13000	2.80			
16.0	665	90.26	4300	0.90	KH 57 KHF 57 KHA 57 KHAF 57	Y..90S-4 AM90 AD2	
19.0	565	76.56	7900	1.05			
21.0	510	69.12	8330	1.15			
23.0	445	60.81	8660	1.35			
25.0	420	57.42	8770	1.40			
29.0	360	48.89	9040	1.65			
32.0	325	44.43	9180	1.85			
37.0	280	38.49	9340	2.10			
40.0	260	35.7	9420	2.30			
47.0	220	30.28	9550	2.70			
52.0	200	27.34	9480	3.00			
59.0	178	24.05	9190	3.40			
63.0	168	22.71	9060	3.60			
73.0	143	19.34	8690	4.00			
81.0	130	17.57	8470	4.30			
93.0	113	15.22	8150	4.80	KH 57 KHF 57 KHA 57 KHAF 57	Y..90S-4 AM90 AD3	
107	98	13.25	7850	5.20			
119	88	11.92	7540	4.70			
126	83	11.26	7420	5.00			
148	71	9.59	7090	5.70			
163	64	8.71	6900	6.10			
188	56	7.55	6620	6.50			
216	49	6.57	6360	7.10			
303	35	4.69	5750	8.60			
25.0	420	56.83	4240	0.95	KH 47 KHF 47 KHA 47 KHAF 47	Y..90S-4 AM90 AD2	
29.0	360	48.95	6420	1.10			
31.0	340	46.03	6660	1.15			
36.0	290	39.61	7120	1.35			
40.0	260	35.39	7080	1.55			
45.0	230	31.3	6940	1.75			
48.0	215	29.32	6870	1.85			
55.0	192	25.91	6720	2.10			
65.0	161	21.81	6490	2.50			
73.0	145	19.58	6340	2.80			
47.0	220	29.96	3430	0.90	KH 37 KHF 37 KHA 37 KHAF 37	Y..90S-4 AM90 AD2	
57.0	185	24.99	3440	1.10			
61.0	173	23.36	3440	1.15			
70.0	149	20.19	3410	1.25			
83.0	127	17.15	3360	1.40			
93.0	113	15.31	3320	1.55			
109	97	13.08	3250	1.70			
117	90	12.14	3210	1.80	KH 37 KHF 37 KHA 37 KHAF 37	Y..90S-4 AM90 AD2	
135	78	10.49	3130	2.10			
159	66	8.91	3040	2.40			
178	59	7.96	2960	2.60			
209	50	6.8	2860	3.00			
223	47	6.37	2820	3.10			
265	40	5.36	2710	3.50			
357	29	3.98	2510	4.20			
P_i=1.5kw							
0.21	59800	6747	190000	0.85	KH 187 KRF97 KHH 187 KRF97	Y..90L-4 AM90 AD3	
0.24	52800	5991	190000	0.95			
0.27	46900	5358	190000	1.05	KH 187 KRF97 KHH 187 KRF97	Y..90L-4 AM90 AD4	
0.30	41800	4817	190000	1.20			
0.33	37900	4370	190000	1.30			
0.40	32500	3609	190000	1.55			
0.47	27500	3062	190000	1.80			
0.57	22400	2519	190000	2.20	KH 187 KRF97 KHH 187 KRF97	Y..90L-4 AM90 AD5	
0.63	20000	2268	190000	2.50			
0.35	36100	4079	150000	0.90	KH 167 KRF97 KHH 167 KRF97	Y..90L-4 AM90 AD3	
0.42	30000	3376	150000	1.05			
0.52	24200	2755	150000	1.30			
0.66	19600	2182	150000	1.60	KH 167 KRF97 KHH 167 KRF97	Y..90L-4 AM90 AD4	
1.00	12600	1408	150000	2.50			
0.84	15300	1704	150000	2.10	KH 167 KRF97 KHH 167 KRF97	Y..90L-4 AM90 AD5	
1.10	11600	1296	150000	2.80			
0.62	20100	2322	111000	0.90	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..90L-4 AM90 AD4	
0.86	14900	1659	113600	1.20			
1.00	12100	1365	114600	1.50			
1.20	10800	1229	115000	1.65			
1.30	9680	1093	115400	1.85	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..90L-4 AM90 AD5	
1.50	8350	942	115700	2.20			
1.70	7500	854	115900	2.40			
2.50	4930	567	116300	3.60			
2.80	4380	504	116400	4.10			
2.70	4750	536	82400	2.70			KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87
3.40	3740	418	82500	3.50			
3.90	3290	367	82600	3.90	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..90L-4 AM90 AD5	
0.81	16100	1757	73600	0.80			
0.93	14100	1541	77700	0.90			
1.10	12300	1342	79600	1.05	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..90L-4 AM90 AD3	
1.20	10700	1177	80300	1.20			
1.40	9410	1025	80900	1.40			
1.60	8230	899	81400	1.60			
1.80	7130	790	81700	1.80			
2.00	6420	704	81900	2.00			
2.30	5540	610	82200	2.40	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..90L-4 AM90 AD4	
2.60	5000	549	82300	2.60			
3.00	4300	477	82400	3.00			
3.40	3810	418	82500	3.40			

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration					
P_i=1.5kw											
1.40	9380	1030	65000	0.85	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..90L-4 AM90 AD3					
1.60	8200	904	65000	1.00							
1.80	7280	793	65000	1.10							
2.10	6370	696	65000	1.25							
2.30	5580	615	65000	1.45							
2.70	4730	522	65000	1.70							
3.10	4160	461	65000	1.90	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..90L-4 AM90 AD4					
3.90	3310	364	65000	2.40							
4.50	2900	318	65000	2.80							
2.50	5340	573	39500	0.80	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..90L-4 AM90 AD2					
							2.80	4610	504	40000	0.95
							3.30	3980	437	40000	1.10
							3.70	3510	382	40000	1.20
							4.20	3110	342	40000	1.40
4.70	2830	305	40000	1.50	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..90L-4 AM90 AD3					
5.60	2390	258	40000	1.80							
6.20	2150	232	40000	2.00							
7.20	1840	199	40000	2.30							
4.30	3020	330	26900	0.90	KH 87 KRF57 KHF 87 KRF57 KHA 87 KRF57 KHAF 87 KRF57	Y..90L-4 AM90 AD3					
4.90	2700	294	27300	1.00							
5.70	2320	250	27700	1.15							
6.00	2190	236	27900	1.25							
7.10	1860	201	28200	1.45							
7.80	1690	183	28300	1.60							
5.30	2680	176.05	40000	1.60	KH 97 KHF 97 KHA 97 KHAF 97	Y..100L-6 AM100 AD3					
6.10	2330	153.21	40000	1.85							
6.70	2130	140.28	40000	2.00							
7.60	1880	123.93	40000	2.30							
8.10	1760	176.05	40000	2.40	KH 97 KHF 97 KHA 97 KHAF 97	Y..90L-4 AM90 AD3					
9.30	1530	153.21	40000	2.80							
10.0	1400	140.28	40000	3.10							
12.0	1240	123.93	40000	3.50							
6.40	2240	147.32	27800	1.20	KH 87 KHF 87 KHA 87 KHAF 87	Y..100L-6 AM100 AD2					
7.40	1930	126.91	28100	1.40							
8.10	1760	115.82	28300	1.55							
9.20	1560	102.71	28400	1.75							
8.20	1740	174.19	28300	1.55	KH 87 KHF 87 KHA 87 KHAF 87	Y..90L-4 AM90 AD2					
8.70	1640	164.34	28400	1.65							
9.70	1470	147.32	28500	1.85							
11.0	1270	126.91	28600	2.10							
12.0	1160	115.82	28700	2.30							
14.0	1020	102.71	28800	2.60							
17.0	860	86.34	28900	3.10							

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration					
P_i=1.5kw											
8.30	1730	113.56	14000	0.90	KH 77 KHF 77 KHA 77 KHAF 77	Y..100L-6 AM100 AD2					
9.70	1470	97.05	15900	1.05							
11.0	1350	88.97	16600	1.15							
12.0	1180	78.07	17500	1.30							
11.0	1350	135.28	16600	1.15	KH 77 KHF 77 KHA 77 KHAF 77	Y..90L-4 AM90 AD2					
11.0	1280	128.52	17000	1.20							
13.0	1130	113.56	17700	1.35							
15.0	970	97.05	18400	1.60							
16.0	890	88.97	18700	1.75							
18.0	780	78.07	19000	2.00							
19.0	740	73.99	19200	2.10							
22.0	645	64.75	19400	2.40							
25.0	580	58.34	19500	2.60							
28.0	510	51.18	19700	3.00							
32.0	450	45.16	19800	3.40							
36.0	400	40.04	19900	3.90	KH 77 KHF 77 KHA 77 KHAF 77	Y..90L-4 AM90 AD3					
							16.0	900	90.04	9500	0.90
							19.0	765	76.37	10800	1.05
							21.0	690	68.95	11300	1.20
24.0	605	60.66	11900	1.35	KH 67 KHF 67 KHA 67 KHAF 67	Y..90L-4 AM90 AD2					
25.0	570	57.28	12000	1.45							
29.0	485	48.77	12500	1.70							
32.0	440	44.32	12600	1.85							
37.0	380	38.39	12900	2.10							
40.0	355	35.62	13000	2.30							
47.0	300	30.22	13000	2.70							
52.0	270	27.28	13000	3.00	KH 67 KHF 67 KHA 67 KHAF 67	Y..90L-4 AM90 AD3					
60.0	240	24	13000	3.30							
24.0	605	60.81	7560	1.00							
25.0	575	57.42	7830	1.05	KH 57 KHF 57 KHA 57 KHAF 57	Y..90L-4 AM90 AD2					
29.0	485	48.89	8470	1.25							
32.0	445	44.43	8680	1.35							
37.0	385	38.49	8940	1.55							
40.0	355	35.7	9060	1.70							
47.0	300	30.28	9170	2.00							
52.0	270	27.34	8990	2.20							
59.0	240	24.05	8750	2.50							
63.0	225	22.71	8640	2.60							
74.0	194	19.34	8340	3.00							
36.0	395	39.61	5970	1.00	KH 47 KHF 47 KHA 47 KHAF 47	Y..90L-4 AM90 AD2					
40.0	350	35.39	6350	1.15							
46.0	310	31.3	6300	1.30							
49.0	290	29.32	6260	1.35							
55.0	255	25.91	6180	1.55							
66.0	215	21.81	6040	1.85							
73.0	196	19.58	5940	2.00							

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=1.5kw						
85.0	169	16.86	5780	2.20	KH 47 KHF 47 KHA 47 KHAF 47	Y..90L-4
90.0	159	15.86	5720	2.40		AM90
105	137	13.65	5550	2.60		AD2
117	122	12.19	5420	2.90		
122	118	11.77	5320	2.40		
P_i=2.2kw						
61.0	230	23.36	2870	0.85	KH 37 KHF 37 KHA 37 KHAF 37	Y..90L-4
71.0	200	20.19	2920	0.90		AM90
83.0	172	17.15	2940	1.05		AD2
93.0	153	15.31	2940	1.15		
109	131	13.08	2930	1.25		
118	122	12.14	2920	1.30		
136	105	10.49	2880	1.50		
160	89	8.91	2820	1.80		
180	80	7.96	2770	1.95		
210	68	6.8	2700	2.20		
225	64	6.37	2660	2.30		
267	54	5.36	2570	2.60		
359	40	3.98	2410	3.10		
P_i=2.2kw						
0.33	57000	4370	190000	0.90	KH 187 KRF97 KHH 187 KRF97	Y..100L-4
0.51	35900	2818	190000	1.40		AM100
0.39	48400	3609	190000	1.05		AD4
0.47	41100	3062	190000	1.20		
0.57	33500	2519	190000	1.50	KH 187 KRF97 KHH 187 KRF97	Y..100L-4
0.63	30100	2268	190000	1.65		AM100
0.69	27100	2054	190000	1.85		AD5
0.78	23800	1821	190000	2.10		
0.89	21200	1605	190000	2.40		
0.52	36200	2755	150000	0.90	KH 167 KRF97 KHH 167 KRF97	Y..100L-4
						AM100
					AD3	
0.63	29100	2263	150000	1.10	KH 167 KRF97 KHH 167 KRF97	Y..100L-4
0.65	29300	2182	150000	1.10		AM100
1.00	18800	1408	150000	1.70		AD4
0.84	22800	1704	150000	1.40	KH 167 KRF97 KHH 167 KRF97	Y..100L-4
1.10	17300	1296	150000	1.85		AM100
1.30	14400	1101	150000	2.20		AD5
1.50	12400	944	150000	2.60	KH 167 KRF97 KHH 167 KRF97	Y..100L-4
						AM100
					AD5	
0.86	22200	1659	109700	0.80	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..100L-4
						AM100
						AD4
1.00	18200	1365	112100	1.00	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..100L-4
1.20	16300	1229	113000	1.10		AM100
1.30	14500	1093	113800	1.25		AD5
1.50	12500	942	114500	1.45		
1.70	11200	854	114900	1.60		
1.90	9760	756	115400	1.85		

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=2.2kw						
2.70	7110	536	81700	1.85	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..100L-4
3.00	6220	473	82000	2.10		AM100
3.40	5610	418	82200	2.30		AD4
3.90	4910	367	82300	2.60	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..100L-4
4.30	4400	330	82400	3.00		AM100
						AD5
1.40	13900	1025	78100	0.95	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..100L-4
1.60	12200	899	79600	1.05		AM100
1.80	10600	790	80400	1.20		AD3
2.00	9530	704	80900	1.35	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..100L-4
2.30	8230	610	81400	1.60		AM100
2.60	7420	549	81600	1.75		AD4
3.00	6410	477	81900	2.00		
3.40	5650	418	82100	2.30		
2.30	8300	615	65000	0.95	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..100L-4
2.70	7040	522	65000	1.15		AM100
3.10	6190	461	65000	1.30		AD3
3.50	5480	408	65000	1.45		
3.90	4920	364	65000	1.60	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..100L-4
4.50	4300	318	65000	1.85		AM100
5.00	3870	286	65000	2.10		AD4
5.70	3390	251	65000	2.40		
3.70	5200	382	39700	0.85	KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..100L-4
4.20	4620	342	40000	0.95		AM100
4.70	4190	305	40000	1.00		AD3
5.50	3540	258	40000	1.20		
6.10	3180	232	40000	1.35		
7.20	2730	199	40000	1.55		
6.20	3370	153.21	40000	1.30	KH 97 KHF 97 KHA 97 KHAF 97	Y..112M-6
6.80	3080	140.28	40000	1.40		AM112
7.70	2720	123.93	40000	1.60		AD3
9.10	2310	105.13	40000	1.85		
8.10	2590	176.05	40000	1.65	KH 97 KHF 97 KHA 97 KHAF 97	Y..100L-4
9.30	2250	153.21	40000	1.90		AM100
10.0	2060	140.28	40000	2.10		AD3
12.0	1820	123.93	40000	2.40		
14.0	1540	105.13	40000	2.80		
15.0	1420	96.8	40000	3.00		
9.70	2170	147.32	27900	1.25	KH 87 KHF 87 KHA 87 KHAF 87	Y..100L-4
11.0	1870	126.91	28200	1.45		AM100
12.0	1700	115.82	28300	1.60		AD2
14.0	1510	102.71	28500	1.80	KH 87 KHF 87 KHA 87 KHAF 87	Y..100L-4
16.0	1270	86.34	28600	2.10		AM100
					AD2	

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=2.2kw						
18.0	1160	79.34	28700	2.30	KH 87 KHF 87 KHA 87 KHAF 87	Y..100L--4 AM100 AD3
20.0	1030	70.46	28800	2.60		
23.0	920	63.00	28800	2.90		
13.0	1670	113.56	14400	0.95		
15.0	1430	97.05	16200	1.10		
16.0	1310	88.97	16900	1.20	KH 77 KHF 77 KHA 77 KHAF 77	Y..100L--4 AM100 AD2
18.0	1150	78.07	17700	1.35		
19.0	1090	73.99	17900	1.40		
22.0	950	64.75	18500	1.60		
24.0	860	58.34	18800	1.80		
28.0	750	51.18	19100	2.00	KH 77 KHF 77 KHA 77 KHAF 77	Y..100L--4 AM100 AD2
32.0	665	45.16	19300	2.30		
13.0	1670	113.56	14400	0.95		
15.0	1430	97.05	16200	1.10		
16.0	1310	88.97	16900	1.20	KH 77 KHF 77 KHA 77 KHAF 77	Y..100L--4 AM100 AD2
18.0	1150	78.07	17700	1.35		
19.0	1090	73.99	17900	1.40		
22.0	950	64.75	18500	1.60		
24.0	860	58.34	18800	1.80		
28.0	750	51.18	19100	2.00		
32.0	665	45.16	19300	2.30		
36.0	590	40.04	19500	2.60	KH 77 KHF 77 KHA 77 KHAF 77	Y..100L--4 AM100 AD3
40.0	515	35.2	19700	3.00		
46.0	455	30.89	19800	3.40		
49.0	430	29.27	19800	3.60	KH 77 KHF 77 KHA 77 KHAF 77	Y..100L--4 AM100 AD4
56.0	375	25.62	19900	4.10		
23.0	890	60.66	9590	0.90		
25.0	840	57.28	10100	0.95	KH 67 KHF 67 KHA 67 KHAF 67	Y..100L--4 AM100 AD2
29.0	715	48.77	11100	1.15		
32.0	650	44.32	11600	1.25		
37.0	565	38.39	12100	1.40		
40.0	525	35.62	12300	1.55		
47.0	445	30.22	12600	1.85		
52.0	400	27.28	12800	2.00		
59.0	350	24	13000	2.30	KH 67 KHF 67 KHA 67 KHAF 67	Y..100L--4 AM100 AD3
63.0	330	22.66	13000	2.30		
74.0	280	19.3	13000	2.70		
81.0	255	17.54	13000	2.90		
94.0	220	15.19	13000	3.10		
108	195	13.22	13000	3.40		
114	184	12.48	13000	2.90		
134	157	10.63	13000	3.20		
148	142	9.66	13000	3.40	KH 67 KHF 67 KHA 67 KHAF 67	Y..100L--4 AM100 AD3
P_i=2.2kw						
170	123	8.37	13000	3.60	KH 67 KHF 67 KHA 67 KHAF 67	Y..100L--4 AM100 AD3
196	107	7.28	12700	3.90	KH 67 KHF 67 KHA 67 KHAF 67	Y..100L--4 AM100 AD3
274	77	5.2	11600	4.60		
32.0	655	44.43	5920	0.90		
37.0	565	38.49	7900	1.05		
40.0	525	35.7	8220	1.15	KH 57 KHF 57 KHA 57 KHAF 57	Y..100L--4 AM100 AD2
47.0	445	30.28	8240	1.35		
52.0	400	27.34	8150	1.50		
59.0	350	24.05	8020	1.70		
63.0	330	22.71	7950	1.80		
74.0	285	19.34	7750	2.00		
81.0	255	17.57	7620	2.10		
94.0	220	15.22	7410	2.40	KH 57 KHF 57 KHA 57 KHAF 57	Y..100L--4 AM100 AD3
108	195	13.25	7200	2.60		
120	176	11.92	6880	2.40		
127	166	11.26	6800	2.50		
55.0	380	25.91	5260	1.05		
65.0	320	21.81	5260	1.25		
73.0	285	19.58	5240	1.40	KH 47 KHF 47 KHA 47 KHAF 47	Y..100L--4 AM100 AD2
84.0	245	16.86	5180	1.55		
90.0	230	15.86	5150	1.65		
104	200	13.65	5060	1.80		
117	180	12.19	4980	1.95		
121	174	11.77	4880	1.60		
135	156	10.56	4800	1.80		
157	134	9.1	4680	2.10		
109	193	13.08	2370	0.85		
136	155	10.49	2430	1.05		
160	131	8.91	2440	1.20	KH 37 KHF 37 KHA 37 KHAF 37	Y..100L--4 AM100 AD2
179	117	7.96	2430	1.30		
210	100	6.8	2410	1.50		
224	94	6.37	2390	1.55		
266	79	5.36	2350	1.75		
358	59	3.98	2240	2.10		
P_i=3.0kw						
0.52	48700	2818	190000	1.05	KH 187 KRF97 KHH 187 KRF97	Y..100L--4 AM100 AD4
0.48	55200	3062	190000	0.90		
0.58	45200	2519	190000	1.10		
0.64	40500	2268	190000	1.25	KH 187 KRF97 KHH 187 KRF97	Y..100L--4 AM100 AD5
0.71	36600	2054	190000	1.35		
0.80	32200	1821	190000	1.55		
0.91	28600	1605	190000	1.75		
1.00	24400	1395	190000	2.00	KH 187 KRF97 KHH 187 KRF97	Y..100L--4 AM100 AD5
1.20	21200	1196	190000	2.40		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=3.0kw						
1.00	25300	1408	150000	1.25	KH 167 KRF97 KHH 167 KRF97	Y..100L-4 AM100 AD4
0.85	30600	1704	150000	1.05	KH 167 KRF97 KHH 167 KRF97	Y..100L-4 AM100 AD5
1.10	23300	1296	150000	1.35		
1.30	19500	1101	150000	1.65		
1.50	16800	944	150000	1.90		
1.70	14700	843	150000	2.20		
1.90	13300	757	150000	2.40		
1.20	21900	1229	109900	0.80	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..100L-4 AM100 AD5
1.30	19500	1093	111400	0.90		
1.50	16800	942	112700	1.05		
1.70	15200	854	113500	1.20		
1.90	13200	756	114300	1.35		
2.60	10000	567	115300	1.80		
2.90	8930	504	115600	2.00		
2.70	9580	536	80900	1.35	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..100L-4 AM100 AD4
3.10	8410	473	81300	1.55		
3.50	7560	418	81600	1.70		
4.00	6610	367	81900	1.95	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..100L-4 AM100 AD5
4.40	5930	330	82100	2.20		
5.10	5090	287	82300	2.60		
1.80	14200	790	77400	0.90	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..100L-4 AM100 AD3
2.10	12700	704	79300	1.00		
2.40	11000	610	80200	1.20		
2.60	9960	549	80700	1.30	KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..100L-4 AM100 AD4
3.00	8620	477	81200	1.50		
3.50	7590	418	81600	1.70		
3.20	8320	461	65000	0.95	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..100L-4 AM100 AD3
3.60	7360	408	65000	1.10		
4.00	6600	364	65000	1.20	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..100L-4 AM100 AD4
4.60	5770	318	65000	1.40		
5.10	5190	286	65000	1.55		
5.80	4550	251	65000	1.75		
6.60	4000	222	65000	2.00		
7.40	3540	196	65000	2.20		
8.40	3170	174	65000	2.30		
9.40	2800	154	65000	2.60		
10.0	2540	140	65000	2.80		
5.60	4740	258	40000	0.90		
6.30	4270	232	40000	1.00		
7.30	3660	199	40000	1.15		

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=3.0kw						
6.70	4300	143.47	65000	1.85	KH 107 KHF 107 KHA 107 KHAF107	Y..132S-6 AM132 AD4
7.90	3640	121.46	65000	2.20		
8.50	3370	112.41	65000	2.40		
9.50	3020	100.75	65000	2.60		
10.0	2820	143.47	65000	2.80	KH 107 KHF 107 KHA 107 KHAF107	Y..100L-4 AM100 AD4
12.0	2390	121.46	65000	3.40		
7.70	3710	123.93	40000	1.15	KH 97 KHF 97 KHA 97 KHAF 97	Y..132S-6 AM132 AD3
9.10	3150	105.13	40000	1.35		
9.90	2900	96.8	40000	1.50		
11.0	2590	86.52	40000	1.65		
8.30	3460	176.05	40000	1.25	KH 97 KHF 97 KHA 97 KHAF 97	Y..100L-4 AM100 AD3
9.50	3010	153.21	40000	1.45		
10.0	2760	140.28	40000	1.55		
12.0	2440	123.93	40000	1.75		
14.0	2070	105.13	40000	2.10		
15.0	1900	96.8	40000	2.30		
17.0	1700	86.52	40000	2.50		
19.0	1530	77.89	40000	2.80		
21.0	1380	70.54	40000	3.10		
23.0	1230	62.55	40000	3.50		
26.0	1110	56.55	40000	3.90		
9.90	2900	147.32	27000	0.95	KH 87 KHF 87 KHA 87 KHAF 87	Y..100L-4 AM100 AD2
11.0	2490	126.91	27500	1.10		
13.0	2280	115.82	27800	1.20		
14.0	2020	102.71	28000	1.35		
17.0	1690	86.34	28300	1.60		
18.0	1560	79.34	28400	1.75	KH 87 KHF 87 KHA 87 KHAF 87	Y..100L-4 AM100 AD3
21.0	1380	70.46	28600	1.95		
23.0	1240	63.00	28600	2.20		
26.0	1110	56.64	28700	2.40		
30.0	960	49.16	28800	2.80		
33.0	860	44.02	28800	3.00		
40.0	715	36.52	28200	3.50		
16.0	1750	88.97	13800	0.90		
19.0	1530	78.07	15500	1.00		
20.0	1450	73.99	16000	1.05		
22.0	1270	64.75	17100	1.20		
25.0	1140	58.34	17700	1.35		
28.0	1000	51.18	18300	1.55		
32.0	880	45.16	18700	1.75	KH 77 KHF 77 KHA 77 KHAF 77	Y..100L-4 AM100 AD2
36.0	785	40.04	19000	1.95		
41.0	690	35.2	19300	2.20		
47.0	605	30.89	19500	2.60		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=3.0kw								
33.0	870	44.32	9810	0.95	KH 67 KHF 67 KHA 67 KHAF 67	Y..100L ₃ -4 AM100 AD2		
38.0	755	38.39	10800	1.05				
41.0	700	35.62	11300	1.15				
48.0	590	30.22	11900	1.40				
53.0	535	27.28	12200	1.55	KH 67 KHF 67 KHA 67 KHAF 67	Y..100L ₃ -4 AM100 AD3		
61.0	470	24	12500	1.70				
64.0	445	22.66	12600	1.75				
75.0	375	19.3	12900	2.00				
83.0	345	17.54	13000	2.10				
96.0	295	15.19	13000	2.30				
110	260	13.22	13000	2.60				
117	245	12.48	13000	2.20				
137	205	10.63	13000	2.40				
151	190	9.66	13000	2.50				
48.0	595	30.28	7190	1.00			KH 57 KHF 57 KHA 57 KHAF 57	Y..100L ₃ -4 AM100 AD2
53.0	535	27.34	7190	1.10				
60.0	470	24.05	7170	1.25				
64.0	445	22.71	7150	1.35				
75.0	380	19.34	7060	1.50				
83.0	345	17.57	6980	1.60				
96.0	295	15.22	6860	1.80	KH 57 KHF 57 KHA 57 KHAF 57	Y..100L ₃ -4 AM100 AD3		
110	260	13.25	6710	1.95				
122	230	11.92	6380	1.75				
129	220	11.26	6330	1.85				
152	189	9.59	6160	2.20				
167	172	8.71	6050	2.30				
193	149	7.55	5870	2.50				
222	129	6.57	5700	2.70				
310	92	4.69	5270	3.20				
74.0	385	19.58	4450	1.05	KH 47 KHF 47 KHA 47 KHAF 47	Y..100L ₃ -4 AM100 AD2		
86.0	330	16.86	4500	1.15				
92.0	310	15.86	4510	1.2				
107	265	13.65	4500	1.35				
119	240	12.19	4480	1.45				
124	230	11.77	4360	1.20				
138	205	10.56	4340	1.35				
160	179	9.1	4280	1.55				
170	168	8.56	4250	1.60				
198	145	7.36	4160	1.70				
221	130	6.58	4090	1.85	KH 47 KHF 47 KHA 47 KHAF 47	Y..100L ₃ -4 AM100 AD3		
250	114	5.81	4000	2.00				
314	91	4.64	3830	2.20				
163	176	8.91	2020	0.90			KH 37 KHF 37 KHA 37 KHAF 37	Y..100L ₃ -4 AM100 AD2
183	157	7.96	2050	1.00				
214	134	6.8	2080	1.10				
229	125	6.37	2090	1.15				
271	106	5.36	2090	1.35				
366	78	3.98	2040	1.60				

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=4.0kw								
1.80	19500	835	190000	2.60	KH 187 KRF107 KHH 187 KRF107	Y..112M-4 AM112 AD5		
2.80	12200	520	190000	4.10				
0.58	60400	2519	190000	0.85	KH 187 KRF97 KHH 187 KRF97	Y..112M-4 AM112 AD5		
0.64	54200	2268	190000	0.90				
0.71	49000	2054	190000	1.00				
0.80	43300	1821	190000	1.15				
0.91	38300	1605	190000	1.30				
1.00	32800	1395	190000	1.50				
1.20	28400	1196	190000	1.75				
1.40	24800	1046	190000	2.00				
1.50	22400	945	190000	2.20				
1.00	33900	1408	150000	0.95			KH 167 KRF97 KHH 167 KRF97	Y..112M-4 AM112 AD4
1.10	31100	1296	150000	1.05				
1.30	26100	1101	150000	1.20	KH 167 KRF97 KHH 167 KRF97	Y..112M-4 AM112 AD5		
1.60	22500	944	150000	1.40				
1.70	19800	843	150000	1.60				
1.90	17900	757	150000	1.80				
2.30	15000	632	150000	2.10				
1.70	20300	854	110900	0.90			KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..112M-4 AM112 AD5
1.90	17800	756	112300	1.00				
2.60	13400	567	114200	1.35				
2.90	11900	504	114700	1.50				
3.40	10200	434	115200	1.75				
2.70	12800	536	79300	1.00	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..112M-4 AM112 AD4		
3.10	11200	473	80100	1.15				
3.50	10100	418	80600	1.30				
4.00	8830	367	81200	1.45				
4.40	7930	330	81500	1.65	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..112M-4 AM112 AD5		
5.10	6820	287	81800	1.90				
5.80	6030	253	82100	2.20				
2.40	14700	610	76500	0.90			KH 127 KRF77 KHF 127 KRF77 KHA 127 KRF77 KHAF127 KRF77	Y..112M-4 AM112 AD4
2.70	13200	549	79000	1.00				
3.10	11500	477	80000	1.15				
3.50	10100	418	80600	1.30				
4.00	8800	364	65000	0.90	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..112M-4 AM112 AD4		
4.60	7690	318	65000	1.05				
5.10	6920	286	65000	1.15				
5.80	6060	251	65000	1.30				
6.60	5340	222	65000	1.50				
7.40	4730	196	65000	1.70				
8.40	4230	174	65000	1.70				
9.50	3740	154	65000	1.90				
10.0	3400	140	65000	2.10				
7.30	4880	199	40000	0.90			KH 97 KRF57 KHF 97 KRF57 KHA 97 KRF57 KHAF 97 KRF57	Y..112M-4 AM112 AD3

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=4.0kw						
6.60	5810	146.07	82100	2.20	KH 127	Y..132M-6 AM132 AD4
7.00	5410	136.14	82200	2.40	KHF 127	
7.80	4870	122.48	82300	2.70	KHA 127	
8.70	4380	110.18	82400	3.00	KHAF127	
6.70	5700	143.47	65000	1.40	KH 107	
7.90	4830	121.46	65000	1.65	KHF 107	
8.50	4470	112.41	65000	1.80	KHA 107	
9.50	4000	100.75	65000	2.00	KHAF107	
11.0	3610	90.96	65000	2.20	KHAF107	
10.0	3750	143.47	65000	2.10	KH 107 KHF 107 KHA 107 KHAF107	Y..112M-4 AM112 AD4
12.0	3170	121.46	65000	2.50		
13.0	2940	112.41	65000	2.70		
14.0	2630	100.75	65000	3.00		
16.0	2370	90.96	65000	3.40		
18.0	2160	82.61	65000	3.70		
20.0	1910	73.3	65000	4.20		
9.50	4000	153.21	40000	1.05		
10.0	3670	140.28	40000	1.15		
12.0	3240	123.93	40000	1.35		
14.0	2750	105.13	40000	1.55		
15.0	2530	96.8	40000	1.70		
17.0	2260	86.52	40000	1.90		
19.0	2030	77.89	40000	2.10		
21.0	1840	70.54	40000	2.30		
13.0	3030	115.82	26800	0.90	KH 87 KHF 87 KHA 87 KHAF 87	Y..112M-4 AM112 AD2
14.0	2680	102.71	27300	1.00		
17.0	2250	86.34	27800	1.20		
18.0	2070	79.34	28000	1.30	KH 87 KHF 87 KHA 87 KHAF 87	Y..112M-4 AM112 AD3
21.0	1840	70.46	28200	1.45		
23.0	1640	63.00	28400	1.65		
26.0	1480	56.64	28500	1.80		
30.0	1280	49.16	28600	2.10		
33.0	1150	44.02	28200	2.30		
40.0	950	36.52	27200	2.60		
23.0	1690	64.75	14300	0.90	KH 77 KHF 77 KHA 77 KHAF 77	Y..112M-4 AM112 AD2
25.0	1520	58.34	15500	1.00		
29.0	1330	51.18	16700	1.15		
32.0	1180	45.16	17500	1.30		
36.0	1040	40.04	18100	1.50	KH 77 KHF 77 KHA 77 KHAF 77	Y..112M-4 AM112 AD3
38.0	1000	38.39	18300	1.50		
41.0	920	35.2	18600	1.70		
47.0	800	30.89	19000	1.90		
50.0	765	29.27	19100	2.00		
57.0	670	25.62	19300	2.30	KH 77 KHF 77 KHA 77 KHAF 77	Y..112M-4 AM112 AD4
63.0	600	23.08	19500	2.60		
72.0	525	20.25	19600	2.80		

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=4.0kw						
48.0	790	30.22	10600	1.05	KH 67 KHF 67 KHA 67 KHAF 67	Y..112M-4 AM112 AD3
54.0	710	27.28	11200	1.15		
61.0	625	24	11700	1.25		
64.0	590	22.66	11900	1.30		
76.0	500	19.3	12400	1.50		
83.0	455	17.54	12600	1.60		
96.0	395	15.19	12800	1.75		
110	345	13.22	13000	1.95		
117	325	12.48	13000	1.60		
137	275	10.63	13000	1.80		
151	250	9.66	12800	1.90		
175	215	8.37	12400	2.00		
201	190	7.28	12100	2.20		
281	136	5.2	11100	2.60		
61.0	625	24.05	6140	0.95		
64.0	590	22.71	6170	1.00		
76.0	505	19.34	6230	1.15		
83.0	455	17.57	6230	1.20		
96.0	395	15.22	6200	1.35	KH 57 KHF 57 KHA 57 KHAF 57	Y..112M-4 AM112 AD3
110	345	13.25	6140	1.45		
122	310	11.92	5800	1.35		
130	290	11.26	5780	1.40		
152	250	9.59	5690	1.60		
168	225	8.71	5620	1.70		
193	197	7.55	5500	1.85		
222	172	6.57	5380	2.00		
311	123	4.69	5040	2.40		
P_i=5.5kw						
0.80	60200	1821	190000	0.85	KH 187 KRF97 KHH 187 KRF97	Y..132S-4 AM132 AD5
0.91	53200	1605	190000	0.95		
1.00	45800	1395	190000	1.10		
1.20	39500	1196	190000	1.25	KH 187 KRF97 KHH 187 KRF97	Y..132S-4 AM132 AD5
1.40	34500	1046	190000	1.45		
1.50	31100	945	190000	1.60		
2.00	24300	738	190000	2.00		
2.30	20400	621	190000	2.40		
1.30	36300	1101	150000	0.90	KH 167 KRF97 KHH 167 KRF97	Y..132S-4 AM132 AD5
1.50	31200	944	150000	1.00		
1.70	27700	843	150000	1.15		
1.90	24900	757	150000	1.30		
2.30	20800	632	150000	1.55		
2.60	18300	561	150000	1.75		
3.00	15800	481	150000	2.00		
3.40	13800	423	150000	2.30		
2.20	21500	661	110200	0.85	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..132S-4 AM132 AD5
2.60	18700	567	111800	0.95		
2.90	16600	504	112800	1.10		
3.40	14200	434	113900	1.25		
3.80	12300	379	114600	1.45		
4.40	10900	333	115000	1.65		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=5.5kw						
3.50	14000	418	77900	0.95	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..132S-4 AM132 AD4
4.00	12200	367	79600	1.05	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..132S-4 AM132 AD5
4.40	10900	330	80200	1.20		
5.10	9480	287	80900	1.35		
5.70	8380	253	81300	1.55		
6.80	7040	213	81800	1.85		
7.30	6710	200	81900	1.80		
8.80	5550	166	82200	2.20		
9.90	4900	147	82300	2.40		
6.60	7400	222	65000	1.10	KH 107 KRF77 KHF 107 KRF77 KHA 107 KRF77 KHAF107 KRF77	Y..132S-4 AM132 AD4
7.40	6550	196	65000	1.20		
8.40	5860	174	65000	1.25		
9.40	5190	154	65000	1.40		
10.0	4710	140	65000	1.55		
7.10	7400	136.14	81700	1.75	KH 127 KHF 127 KHA 127 KHAF127	Y..132M-6 AM132 AD4
7.90	6660	122.48	81900	1.95		
8.80	5990	110.18	82100	2.20		
11.0	4890	89.89	82300	2.70	KH 127 KHF 127 KHA 127 KHAF127	Y..132M-6 AM132 AD5
8.60	6110	112.41	65000	1.30		
9.60	5480	100.75	65000	1.45		
11.0	4950	90.96	65000	1.60	KH 107 KHF 107 KHA 107 KHAF107	Y..132M-6 AM132 AD4
12.0	4490	82.61	65000	1.80		
10.0	5170	143.47	65000	1.55	KH 107 KHF 107 KHA 107 KHAF107	Y..132S-4 AM132 AD4
12.0	4380	121.46	65000	1.80		
13.0	4050	112.41	65000	1.95		
14.0	3630	100.75	65000	2.20		
16.0	3280	90.96	65000	2.40		
18.0	2980	82.61	65000	2.70		
12.0	4470	123.93	40000	0.95		
14.0	3790	105.13	40000	1.15		
15.0	3490	96.8	40000	1.25		
17.0	3120	86.52	40000	1.40		
19.0	2810	77.89	40000	1.55		
21.0	2540	70.54	40000	1.70		
23.0	2250	62.55	40000	1.90		
26.0	2040	56.55	39600	2.10		
30.0	1730	47.93	38400	2.50		
17.0	3110	86.34	26700	0.85	KH 87 KHF 87 KHA 87 KHAF 87	Y..132S-4 AM132 AD2
18.0	2810	77.89	26700	0.95		
20.0	2440	68.8	26700	1.10		
22.0	2110	60.2	26700	1.25		
P_i=5.5kw						
18.0	2860	79.34	27100	0.95	KH 87 KHF 87 KHA 87 KHAF 87	Y..132S-4 AM132 AD3
21.0	2540	70.46	27500	1.05		
23.0	2270	63.00	27400	1.20		
26.0	2040	56.64	27200	1.30		
30.0	1770	49.16	26800	1.50		
33.0	1580	44.02	26500	1.65	KH 87 KHF 87 KHA 87 KHAF 87	Y..132S-4 AM132 AD3
40.0	1310	36.52	25800	1.90		
46.0	1130	31.39	25100	2.40	KH 87 KHF 87 KHA 87 KHAF 87	Y..132S-4 AM132 AD4
52.0	1000	27.88	24600	2.60		
32.0	1630	45.16	14800	0.95	KH 77 KHF 77 KHA 77 KHAF 77	Y..132S-4 AM132 AD2
36.0	1440	40.04	16100	1.05		
47.0	1110	30.89	17800	1.40		
50.0	1050	29.27	18100	1.45		
57.0	920	25.62	18600	1.70	KH 77 KHF 77 KHA 77 KHAF 77	Y..132S-4 AM132 AD4
63.0	830	23.08	18900	1.85		
72.0	730	20.25	19200	2.00		
81.0	640	17.87	19400	2.20		
92.0	570	15.84	19100	2.40		
108	485	13.52	18500	2.80		
61.0	860	24	9880	0.90		
64.0	810	22.66	10300	0.95	KH 67 KHF 67 KHA 67 KHAF 67	Y..132S-4 AM132 AD3
75.0	695	19.3	11300	1.10		
83.0	630	17.54	11700	1.15		
96.0	545	15.19	12200	1.30		
110	475	13.22	12500	1.40		
117	450	12.48	12600	1.20		
137	380	10.63	12400	1.30		
151	345	9.66	12200	1.40	KH 67 KHF 67 KHA 67 KHAF 67	Y..132S-4 AM132 AD3
174	300	8.37	11900	1.45		
200	260	7.28	11600	1.60		
280	188	5.2	10800	1.85		
P_i=7.5kw						
1.80	37100	835	190000	1.35	KH 187 KRF107 KHH 187 KRF107	Y..132M-4 AM132 AD5
2.00	32200	729	190000	1.55		
2.40	27400	622	190000	1.80	KH 187 KRF107 KHH 187 KRF107	Y..132M-4 AM132 AD6
2.60	24400	540	190000	2.10		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=7.5kw						
1.20	53600	1196	190000	0.95	KH 187 KRF97 KHH 187 KRF97	Y..132M-4 AM132 AD5
1.40	46800	1046	190000	1.05		
1.60	42300	945	190000	1.20		
2.00	33000	738	190000	1.50		
2.40	27700	621	190000	1.80		
2.80	23400	527	190000	2.10		
1.70	37600	843	150000	0.85	KH 167 KRF97 KHH 167 KRF97	Y..132M-4 AM132 AD5
1.90	33800	757	150000	0.95		
2.30	28300	632	150000	1.15		
2.60	24900	561	150000	1.30		
3.10	21500	481	150000	1.50		
3.50	18800	423	150000	1.70		
4.00	16400	369	150000	1.95	KH 167 KRF97 KHH 167 KRF97	Y..132M-4 AM132 AD5
3.40	19300	434	111500	0.95	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..132M-4 AM132 AD5
3.90	16800	379	112700	1.05		
4.40	14800	333	113600	1.20		
5.00	12900	291	114400	1.40		
4.40	14800	330	76200	0.85		
5.10	12800	287	79300	1.00	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..132M-4 AM132 AD5
5.80	11300	253	80000	1.15		
6.90	9550	213	80900	1.35		
7.30	9100	200	81100	1.30		
8.80	7530	166	81600	1.60		
10.0	6640	147	81900	1.80		
10.0	7110	146.07	81700	1.85	KH 127 KHF 127 KHA 127 KHAF127	Y..132M-4 AM132 AD4
11.0	6630	136.14	81900	1.95		
12.0	5960	122.48	82100	2.20		
13.0	5360	110.18	82200	2.40		
16.0	4370	89.89	82400	3.00	KH 127 KHF 127 KHA 127 KHAF127	Y..132M-4 AM132 AD5
18.0	3990	81.98	82500	3.20		
21.0	3450	70.95	82600	3.80		
10.0	6990	143.47	65000	1.15	KH 107 KHF 107 KHA 107 KHAF107	Y..132M-4 AM132 AD4
12.0	5910	121.46	65000	1.35		
13.0	5470	112.41	65000	1.45		
15.0	4900	100.75	64900	1.65		
16.0	4430	90.96	63900	1.80		
18.0	4020	82.61	62900	2.00		
20.0	3570	73.3	61600	2.20		
22.0	3240	66.52	60500	2.50		
26.0	2780	57.17	58800	2.90		
29.0	2430	49.9	57100	3.20		
35.0	2060	42.33	55100	3.60		
40.0	1800	37.00	53500	4.00		

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=7.5kw								
15.0	4710	96.8	38300	0.90	KH 97 KHF 97 KHA 97 KHAF 97	Y..132M-4 AM132 AD3		
17.0	4210	86.52	38300	1.00				
19.0	3790	77.89	38100	1.15				
21.0	3430	70.54	37800	1.25				
15.0	4710	96.8	38300	0.90				
17.0	4210	86.52	38300	1.00				
19.0	3790	77.89	38100	1.15				
21.0	3430	70.54	37800	1.25				
24.0	3040	62.55	37400	1.40				
26.0	2750	56.55	37000	1.55	KH 97 KHF 97 KHA 97 KHAF 97	Y..132M-4 AM132 AD4		
31.0	2330	47.93	36200	1.85				
35.0	2030	41.87	35500	2.10				
38.0	1860	38.3	35000	2.30				
43.0	1660	34.23	34300	2.60				
23.0	3060	63.00	24100	0.90	KH 87 KHF 87 KHA 87 KHAF 87	Y..132M-4 AM132 AD3		
26.0	2750	56.64	24200	1.00				
30.0	2390	49.16	24200	1.15				
33.0	2140	44.02	24100	1.20				
40.0	1770	36.52	23800	1.40				
47.0	1520	31.39	23400	1.75				
53.0	1350	27.88	23100	1.90				
59.0	1210	24.92	22700	2.10	KH 87 KHF 87 KHA 87 KHAF 87	Y..132M-4 AM132 AD4		
66.0	1090	22.41	22400	2.10				
76.0	940	19.45	21800	2.40				
84.0	840	17.42	21400	2.60				
92.0	775	16	20500	2.30				
102	700	14.45	20600	3.00				
48.0	1500	30.89	15700	1.05			KH 77 KHF 77 KHA 77 KHAF 77	Y..132M-4 AM132 AD3
50.0	1420	29.27	16200	1.10				
57.0	1240	25.62	17200	1.25				
64.0	1120	23.08	17800	1.40			KH 77 KHF 77 KHA 77 KHAF 77	Y..132M-4 AM132 AD4
73.0	980	20.25	18400	1.50				
82.0	870	17.87	18500	1.65				
93.0	770	15.84	18100	1.80				
109	655	13.52	17700	2.00				
119	600	12.36	17000	1.65				
136	525	10.84	16600	1.90				
154	465	9.56	16200	2.00				
173	410	8.48	15800	2.20				
203	350	7.24	15300	2.30				
P_i=11.0kw								
1.80	54600	835	190000	0.90	KH 187 KRF107 KHH 187 KRF107	Y..160M-4 AM160 AD5		
2.80	34300	520	190000	1.45				
2.00	47500	729	190000	1.05	KH 187 KRF107 KHH 187 KRF107	Y..160M-4 AM160 AD6		
2.40	40500	622	190000	1.25				

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₂=11.0kw						
3.20	29900	454	190000	1.65	KH 187 KRF107 KHH 187 KRF107	Y..160M-4 AM160 AD6
4.20	23100	355	190000	2.20		
2.00	48500	738	190000	1.05	KH 187 KRF97 KHH 187 KRF97	Y..160M-4 AM160 AD5
2.40	40800	621	190000	1.20		
2.80	34500	527	190000	1.45		
4.60	21000	318	150000	1.50	KH 167 KRF107 KHH 167 KRF107	Y..160M-4 AM160 AD5
5.30	18200	278	150000	1.75		
6.00	15800	244	150000	2.00	KH 167 KRF107 KHH 167 KRF107	Y..160M-4 AM160 AD6
6.90	13800	213	150000	2.30		
7.20	13400	206	150000	2.40		
2.60	36600	561	150000	0.85	KH 167 KRF97 KHH 167 KRF97	Y..160M-4 AM160 AD5
3.10	31600	481	150000	1.00		
3.50	27700	423	150000	1.15		
4.00	24100	369	150000	1.30		
4.40	21800	333	110000	0.80	KH 157 KRF97 KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..160M-4 AM160 AD5
5.10	19000	291	111600	0.95		
6.90	14000	213	77900	0.95	KH 127 KRF87 KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..160M-4 AM160 AD5
7.40	13300	200	79000	0.90		
8.90	11000	166	80200	1.10		
10.0	9760	147	80800	1.25		
9.00	11700	164.5	150000	2.70	KH 167 KHF 167 KHA 167 KHAF167	Y..160M-4 AM160 AD5
11.0	9610	134.99	150000	3.30		
9.80	10700	150.41	115100	1.70		
12.0	8710	122.39	115600	2.10	KH 157 KHF 157 KHA 157 KHAF157	Y..160M-4 AM160 AD5
15.0	7130	100.22	116000	2.50		
16.0	6520	91.65	116100	2.80		
11.0	9690	136.14	80800	1.35	KH 127 KHF 127 KHA 127 KHAF127	Y..160M-4 AM160 AD4
12.0	8720	122.48	81200	1.50		
13.0	7840	110.18	81500	1.65		
16.0	6400	89.89	82000	2.00	KH 127 KHF 127 KHA 127 KHAF127	Y..160M-4 AM160 AD5
18.0	5830	81.98	82100	2.20		
21.0	5050	70.95	82300	2.60		
13.0	8000	112.41	57800	1.00		
15.0	7170	100.75	58200	1.10	KH 107 KHF 107 KHA 107 KHAF107	Y..160M-4 AM160 AD4
16.0	6470	90.96	57900	1.25		
18.0	5880	82.61	57400	1.35		

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₂=11.0kw						
20.0	5210	73.3	56700	1.55	KH 107 KHF 107 KHA 107 KHAF107	Y..160M-4 AM160 AD4
22.0	4730	66.52	56100	1.70		
26.0	4070	57.17	54900	1.95		
30.0	3550	49.9	53800	2.20		
35.0	3010	42.33	52300	2.40	KH 107 KHF 107 KHA 107 KHAF107	Y..160M-4 AM160 AD5
40.0	2630	37.00	51000	2.70		
21.0	5020	70.54	32300	0.85	KH 97 KHF 97 KHA 97 KHAF 97	Y..160M-4 AM160 AD3
24.0	4450	62.55	32500	0.95		
26.0	4020	56.55	32500	1.05		
31.0	3410	47.93	32400	1.25	KH 97 KHF 97 KHA 97 KHAF 97	Y..160M-4 AM160 AD4
35.0	2980	41.87	32200	1.45		
39.0	2720	38.3	31900	1.60	KH 97 KHF 97 KHA 97 KHAF 97	Y..160M-4 AM160 AD5
43.0	2430	34.23	31600	1.75		
48.0	2190	30.82	31200	1.95		
53.0	1980	27.91	30700	2.20		
60.0	1760	24.75	30200	2.40		
66.0	1590	22.37	29700	2.70		
34.0	3130	44.02	20100	0.85		
40.0	2600	36.52	20500	0.95		
47.0	2230	31.39	20600	1.20	KH 87 KHF 87 KHA 87 KHAF 87	Y..160M-4 AM160 AD4
53.0	1980	27.88	20500	1.30		
59.0	1770	24.92	20400	1.40		
66.0	1590	22.41	20300	1.45		
76.0	1380	19.45	20000	1.65		
85.0	1230	17.42	19800	1.75		
92.0	1130	16	18800	1.60		
102.0	1020	14.45	19300	2.00		
117.0	890	12.56	18900	2.20		
132.0	790	11.17	17900	1.90		
148	710	10	17600	2.10		
178	590	8.29	17000	2.40		
205	510	7.21	16600	2.50		
64.0	1640	23.08	14700	0.95	KH 77 KHF 77 KHA 77 KHAF 77	Y..160M-4 AM160 AD4
73.0	1440	20.25	16100	1.05		
83.0	1270	17.87	16600	1.15		
93.0	1120	15.84	16500	1.25		
109	960	13.52	16200	1.40		
119	870	12.36	15500	1.15		
136	770	10.84	15300	1.30		
154	680	9.56	15000	1.40		
174	600	8.48	14800	1.45		
204	515	7.24	14400	1.60		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=15.0kw								
2.80	47400	520	190000	1.05	KH 187 KRF107 KHH 187 KRF107	Y..160L-4 AM160 AD5		
2.40	55900	622	190000	0.90	KH 187 KRF107 KHH 187 KRF107	Y..160L-4 AM160 AD6		
3.20	41200	454	190000	1.20				
4.10	31900	355	190000	1.55				
5.60	23700	261	190000	2.10				
4.60	28900	318	150000	1.10	KH 167 KRF107 KHH 167 KRF107	Y..160L-4 AM160 AD5		
5.30	25200	278	150000	1.25	KH 167 KRF107 KHH 167 KRF107	Y..160L-4 AM160 AD6		
6.00	21800	244	150000	1.45				
6.90	19000	213	150000	1.70				
7.10	18600	206	150000	1.70				
8.10	16000	180	150000	2.00				
9.20	14500	160	150000	2.20				
6.40	20500	230	110800	0.90	KH 157 KRF107 KHF 157 KRF107 KHA 157 KRF107 KHAF157 KRF107	Y..160L-4 AM160 AD6		
6.90	19300	213	111500	0.95				
7.80	16600	187	112800	1.10				
9.30	14100	157	113900	1.25				
12.0	11000	122	115000	1.60				
14.0	9670	107	115400	1.85				
8.90	16000	164.5	150000	2.00			KH 167 KHH 167	Y..160L-4 AM160 AD5
11.0	13100	134.99	150000	2.40			KH 167 KHH 167	Y..160L-4 AM160 AD6
9.70	14700	150.41	113700	1.20	KH 157 KHF 157 KHA 157 KHAF157	Y..160L-4 AM160 AD5		
12.0	11900	122.39	114700	1.50				
15.0	9790	100.22	114100	1.85				
16.0	8960	91.65	112400	2.00				
18.0	7790	79.75	109500	2.30				
11.0	13300	136.14	79000	1.00	KH 127 KHF 127 KHA 127 KHAF127	Y..160L-4 AM160 AD4		
12.0	11900	122.48	79700	1.10				
13.0	10700	110.18	80300	1.20				
16.0	8780	89.89	81200	1.50	KH 127 KHF 127 KHA 127 KHAF127	Y..160L-4 AM160 AD5		
18.0	8010	81.98	81500	1.60				
21.0	6930	70.95	81500	1.85				
23.0	6120	62.6	79900	2.10				
27.0	5280	54.07	77900	2.50				
31.0	4670	47.82	76200	2.80				
16.0	8890	90.96	48200	0.90	KH 107 KHF 107 KHA 107 KHAF107	Y..160L-4 AM160 AD4		
18.0	8070	82.61	49400	1.00				
20.0	7160	73.3	50500	1.10				
22.0	6500	66.52	51000	1.25				
26.0	5590	57.17	50600	1.45				
29.0	4870	49.9	50000	1.60				

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=15.0kw						
35.0	4130	42.33	49100	1.80	KH 107 KHF 107 KHA 107 KHAF107	Y..160L-4 AM160 AD5
40.0	3610	37.00	48200	2.00		
45.0	3190	32.69	47300	2.20		
47.0	3050	31.28	46900	2.20		
51.0	2830	29	46300	2.50	KH 107 KHF 107 KHA 107 KHAF107	Y..160L-4 AM160 AD6
31.0	4680	47.93	28100	0.90	KH 97 KHF 97 KHA 97 KHAF 97	Y..160L-4 AM160 AD4
35.0	4090	41.87	28400	1.05		
38.0	3740	38.3	28500	1.15	KH 97 KHF 97 KHA 97 KHAF 97	Y..160L-4 AM160 AD5
43.0	3340	34.23	28500	1.30		
48.0	3010	30.82	28400	1.45		
53.0	2720	27.91	28200	1.60		
59.0	2410	24.75	28000	1.80		
65.0	2180	22.37	27700	1.95	KH 97 KHF 97 KHA 97 KHAF 97	Y..160L-4 AM160 AD5
77.0	1850	18.96	27200	2.30		
88.0	1610	16.56	26600	2.70		
47.0	3060	31.39	17300	0.90		
53.0	2720	27.88	17600	0.95		
59.0	2430	24.92	17800	1.05		
65.0	2190	22.41	18000	1.05		
75.0	1900	19.45	18000	1.20		
84.0	1700	17.42	18000	1.30		
92.0	1560	16	16800	1.15		
101	1410	14.45	17800	1.50		
117	1220	12.56	17600	1.65		
131	1090	11.17	16600	1.35		
147	970	10	16400	1.55		
177	810	8.29	16000	1.75		
203	705	7.21	15700	1.85		
P_i=18.5kw						
2.80	58500	520	190000	0.85	KH 187 KRF107 KHH 187 KRF107	Y..180M-4 AM180 AD5
3.20	51000	454	190000	1.00	KH 187 KRF107 KHH 187 KRF107	Y..180M-4 AM180 AD6
4.10	39400	355	190000	1.25		
5.60	29300	261	190000	1.70		
6.60	24800	221	190000	2.00		
4.60	35800	318	150000	0.90	KH 167 KRF107 KHH 167 KRF107	Y..180M-4 AM180 AD5
5.30	31200	278	150000	1.00	KH 167 KRF107 KHH 167 KRF107	Y..180M-4 AM180 AD6
6.00	27000	244	150000	1.20		
6.90	23600	213	150000	1.35		
7.10	23000	206	150000	1.40		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=18.5kw						
8.10 9.20	19900 17900	180 160	150000 150000	1.60 1.80	KH 167 KRF107 KHH 167 KRF107	Y..180M-4 AM180 AD6
11.0 12.0	15100 13200	135 118	150000 150000	2.10 2.40	KH 167 KRF107 KHH 167 KRF107	Y..180M-4 AM180 AD6
7.80 9.30 12.0 14.0	20600 17500 13700 11900	187 157 122 107	110700 112400 113900 112000	0.85 1.05 1.30 1.50	KH 157 KRF107 KHF 157 KRF107 KHA 157 KRF107 KHAF157 KRF107	Y..180M-4 AM180 AD6
8.20 8.90 10.0	21600 19900 17400	179.86 165.21 144.59	190000 190000 190000	2.30 2.50 2.90	KH 187 KHH 187	Y..180M-4 AM180 AD6
11.0	15600	129.69	190000	3.20	KH 187 KHH 187	Y..180M-4 AM180 AD7
11.0 13.0	16200 13200	134.99 109.83	150000 150000	1.95 2.40	KH 167 KHH 167	Y..180M-4 AM180 AD6
17.0	10500	87.86	150000	3.00	KH 167 KHH 167	Y..180M-4 AM180 AD7
12.0 15.0 16.0 18.0 21.0 24.0	14700 12000 11000 9610 8480 7350	122.39 100.22 91.65 79.75 70.38 61.02	111600 109100 107800 105600 103400 100700	1.20 1.50 1.65 1.85 2.10 2.40	KH 157 KHF 157 KHA 157 KHAF157	Y..180M-4 AM180 AD5
27.0	6540	54.29	98500	2.80	KH 157 KHF 157 KHA 157 KHAF157	Y..180M-4 AM180 AD6
31.0 39.0	5640 4580	46.79 38.02	95500 91300	3.20 3.90	KH 157 KHF 157 KHA 157 KHAF157	Y..180M-4 AM180 AD7
13.0	13200	110.18	79000	1.00	KH 127 KHF 127 KHA 127 KHAF127	Y..180M-4 AM180 AD4
16.0 18.0 21.0 23.0	10800 9880 8550 7540	89.89 81.98 70.95 62.6	79000 78500 77500 76400	1.20 1.30 1.50 1.70	KH 127 KHF 127 KHA 127 KHAF127	Y..180M-4 AM180 AD5

n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=18.5kw						
27.0 31.0	6510 5760	54.07 47.82	74800 73400	2.00 2.20	KH 127 KHF 127 KHA 127 KHAF127	Y..180M-4 AM180 AD5
36.0	4840	40.19	71300	2.70	KH 127 KHF 127 KHA 127 KHAF127	Y..180M-4 AM180 AD6
40.0 47.0 53.0	4370 3780 3330	36.25 31.37 27.68	69900 68000 66200	3.00 3.40 3.90	KH 127 KHF 127 KHA 127 KHAF127	Y..180M-4 AM180 AD7
20.0 22.0 26.0 29.0	8830 8020 6890 6010	73.3 66.52 57.17 49.9	42700 44200 45800 46600	0.90 1.00 1.15 1.30	KH 107 KHF 107 KHA 107 KHAF107	Y..180M-4 AM180 AD4
35.0 40.0 45.0 47.0	5100 4460 3940 3770	42.33 37.00 32.69 31.28	46300 45700 45100 44800	1.45 1.60 1.85 1.80	KH 107 KHF 107 KHA 107 KHAF107	Y..180M-4 AM180 AD5
51.0 56.0 65.0 74.0 88.0	3490 3170 2720 2380 2010	29 26.32 22.62 19.74 16.75	44400 43800 42700 41700 40400	2.10 2.30 2.60 3.00 3.50	KH 107 KHF 107 KHA 107 KHAF107	Y..180M-4 AM180 AD6
35.0	5040	41.87	25100	0.85	KH 97 KHF 97 KHA 97 KHAF 97	Y..180M-4 AM180 AD4
48.0 53.0 59.0 65.0	3710 3360 2980 2690	30.82 27.91 24.75 22.37	26000 26000 26000 25900	1.15 1.30 1.45 1.60	KH 97 KHF 97 KHA 97 KHAF 97	Y..180M-4 AM180 AD5
77.0 88.0	2280 1990	18.96 16.56	25700 25300	1.90 2.20	KH 97 KHF 97 KHA 97 KHAF 97	Y..180M-4 AM180 AD5
106	1670	13.85	24800	2.60	KH 97 KHF 97 KHA 97 KHAF 97	Y..180M-4 AM180 AD6
59.0 65.0 75.0 84.0 101 117 131	3000 2700 2340 2090 1740 1510 1340	24.92 22.41 19.45 17.42 14.45 12.56 11.17	15600 15900 16200 16400 16500 16400 15400	0.85 0.85 1.00 1.05 1.20 1.30 1.10	KH 87 KHF 87 KHA 87 KHAF 87	Y..180M-4 AM180 AD4

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=18.5kw						
147	1200	10	15300	1.25	KH 87	Y..180M-4
177	1000	8.29	15100	1.40	KHF 87	AM180
203	860	7.21	14900	1.50	KHA 87 KHAF 87	AD5
P_i=22kw						
3.20	60400	454	190000	0.85	KH 187 KRF107 KHH 187 KRF107	Y..180L-4
4.20	46700	355	190000	1.05		AM180
5.60	34700	261	190000	1.45		AD6
6.70	29400	221	190000	1.70		
7.60	25600	193	190000	1.95		
9.00	21600	163	190000	2.30		
5.30	36900	278	150000	0.85	KH 167 KRF107 KHH 167 KRF107	Y..180L-4
6.00	32000	244	150000	1.00		AM180
6.90	27900	213	150000	1.15		AD6
7.20	27200	206	150000	1.15		
8.20	23500	180	150000	1.35		
9.20	21200	160	150000	1.50		
11.0	17900	135	150000	1.80		
12.0	15600	118	150000	2.00		
9.40	20700	157	109400	0.85	KH 157 KRF107 KHF 157 KRF107 KHA 157 KRF107 KHA 157 KRF107	Y..180L-4
12.0	16200	122	108100	1.10		AM180
14.0	14100	107	106900	1.25		AD6
8.20	25600	179.86	190000	1.95	KH 187 KHH 187	Y..180L-4
8.90	23500	165.21	190000	2.10		AM180
10.0	20500	144.59	190000	2.40	AD6	
11.0	18400	129.69	190000	2.70	KH 187 KHH 187	Y..180L-4
						AM180
						AD7
11.0	19200	134.99	150000	1.65	KH 167 KHH 167	Y..180L-4
13.0	15600	109.83	150000	2.00		AM180
						AD6
17.0	12500	87.86	150000	2.60	KH 167 KHH 167	Y..180L-4
19.0	11100	78.14	150000	2.90		AM180
						AD7
12.0	17400	122.39	105500	1.05	KH 157 KHF 157 KHA 157 KHAF157	Y..180L-4
15.0	14200	100.22	104000	1.25		AM180
16.0	13000	91.65	103200	1.40		AD5
18.0	11300	79.75	101500	1.60		
21.0	10000	70.38	99700	1.80		
24.0	8690	61.02	97600	2.10		
27.0	7730	54.29	95700	2.30	KH 157 KHF 157 KHA 157 KHAF157	Y..180L-4
						AM180
						AD6
32.0	6660	46.79	93100	2.70	KH 157 KHF 157 KHA 157 KHAF157	Y..180L-4
39.0	5410	38.02	89300	3.30		AM180
						AD7

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration	
P_i=22kw							
16.0	12800	89.89	73900	1.00	KH 127 KHF 127 KHA 127 KHAF127	Y..180L-4	
18.0	11600	81.98	73800	1.10		AM180	
21.0	10100	70.95	73400	1.30		AD5	
24.0	8910	62.6	72700	1.45			
27.0	7700	54.07	71700	1.70			
31.0	6810	47.82	70600	1.90			
37.0	5720	40.19	68900	2.30	KH 127 KHF 127 KHA 127 KHAF127	Y..180L-4	
						AM180	
						AD6	
41.0	5160	36.25	67800	2.50	KH 127 KHF 127 KHA 127 KHAF127	Y..180L-4	
47.0	4460	31.37	66100	2.90		AM180	
53.0	3940	27.68	64500	3.30		AD7	
62.0	3400	23.91	62700	3.80			
70.0	3010	21.15	61100	4.30	KH 127 KHF 127 KHA 127 KHAF127	Y..180L-4	
						AM180	
						AD8	
26.0	8140	57.17	39800	1.00	KH 107 KHF 107 KHA 107 KHAF107	Y..180L-4	
30.0	7100	49.9	41600	1.10		AM180	
						AD4	
35.0	6020	42.33	42900	1.20	KH 107 KHF 107 KHA 107 KHAF107	Y..180L-4	
40.0	5260	37.00	43200	1.35		AM180	
45.0	4650	32.69	42900	1.55		AD5	
47.0	4450	31.28	42700	1.55			
51.0	4120	29	42400	1.75	KH 107 KHF 107 KHA 107 KHAF107	Y..180L-4	
56.0	3740	26.32	42000	1.90		AM180	
65.0	3220	22.62	41200	2.20		AD6	
75.0	2810	19.74	40400	2.60			
88.0	2380	16.75	39300	3.00	KH 107 KHF 107 KHA 107 KHAF107	Y..180L-4	
101	2080	14.64	38300	3.30		AM180	
110	1910	13.43	36700	2.20		AD6	
126	1660	11.73	35800	2.60			
148	1410	9.94	34700	3.00			
48.0	4380	30.82	23500	1.00		KH 97 KHF 97 KHA 97 KHAF 97	Y..180L-4
53.0	3970	27.91	23800	1.10			AM180
60.0	3520	24.75	24100	1.20			AD5
66.0	3180	22.37	24200	1.35			
78.0	2700	18.96	24100	1.60			
89.0	2350	16.56	24000	1.80			
106	1970	13.85	23700	2.20	KH 97 KHF 97 KHA 97 KHAF 97	Y..180L-4	
123	1700	11.99	23300	2.30		AM180	
						AD6	

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=22kw						
142	1480	10.41	21800	1.95	KH 97 KHF 97 KHA 97 KHAF 97	Y..180L-4 AM180 AD5
169	1240	8.71	21300	2.20	KH 97 KHF 97 KHA 97 KHAF 97	Y..180L-4 AM180 AD6
76.0	2760	19.45	14500	0.85	KH 87 KHF 87 KHA 87 KHAF 87	Y..180L-4 AM180 AD4
85.0	2470	17.42	14800	0.90		
102	2050	14.45	15200	1.00		
117	1780	12.56	15300	1.10		
132	1580	11.17	14200	0.95		
148	1420	10	14200	1.05	KH 87 KHF 87 KHA 87 KHAF 87	Y..180L-4 AM180 AD5
178	1180	8.29	14300	1.20		
205	1020	7.21	14200	1.25		
P₁=30kw						
5.60	47400	261	190000	1.05	KH 187 KRF107 KHH 187 KRF107	Y..200L-4 AM200 AD6
6.70	40200	221	190000	1.25		
7.60	35100	193	190000	1.40		
9.00	29600	163	190000	1.70		
6.90	38200	213	150000	0.85	KH 167 KRF107 KHH 167 KRF107	Y..200L-4 AM200 AD6
7.20	37300	206	150000	0.85		
8.20	32300	180	150000	1.00		
9.20	29000	160	150000	1.10		
11.0	24500	135	150000	1.30		
12.0	21400	118	150000	1.50		
8.20	34900	179.86	190000	1.45	KH 187 KHF 187 KHA 187 KHAF187	Y..200L-4 AM200 AD6
8.90	32000	165.21	190000	1.55		
10.0	28000	144.59	190000	1.80		
11.0	25100	129.69	190000	2.00	KH 187 KHF 187 KHA 187 KHAF187	Y..200L-4 AM200 AD7
13.0	21800	112.6	190000	2.30		
14.0	19800	102.16	190000	2.50		
17.0	17000	88	190000	2.90	KH 187 KHF 187 KHA 187 KHAF187	Y..200L-4 AM200 AD8
13.0	21300	109.83	150000	1.50	KH 167 KHF 167 KHA 167 KHAF167	Y..200L-4 AM200 AD6
17.0	17000	87.86	150000	1.90	KH 167 KHF 167 KHA 167 KHAF167	Y..200L-4 AM200 AD7
19.0	15100	78.14	150000	2.10		
22.0	13200	68.07	150000	2.40		
24.0	11700	60.74	150000	2.70		

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=30kw						
15.0	19400	100.22	92700	0.90	KH 157 KHF 157 KHA 157 KHAF157	Y..200L-4 AM200 AD5
16.0	17800	91.65	92800	1.00		
18.0	15400	79.75	92400	1.15		
21.0	13600	70.38	91800	1.30		
24.0	11800	61.02	90700	1.50		
27.0	10500	54.29	89500	1.70	KH 157 KHF 157 KHA 157 KHAF157	Y..200L-4 AM200 AD6
32.0	9080	46.79	87800	2.00	KH 157 KHF 157 KHA 157 KHAF157	Y..200L-4 AM200 AD7
39.0	7380	38.02	85000	2.40		
47.0	6070	31.3	82100	3.00	KH 157 KHF 157 KHA 157 KHAF157	Y..200L-4 AM200 AD8
21.0	13700	70.95	64200	0.95	KH 127 KHF 127 KHA 127 KHAF127	Y..200L-4 AM200 AD5
24.0	12100	62.6	64600	1.05		
27.0	10500	54.07	64700	1.25		
31.0	9280	47.82	64400	1.40		
37.0	7800	40.19	63700	1.65	KH 127 KHF 127 KHA 127 KHAF127	Y..200L-4 AM200 AD6
41.0	7030	36.25	63100	1.85	KH 127 KHF 127 KHA 127 KHAF127	Y..200L-4 AM200 AD7
47.0	6090	31.37	62000	2.10		
53.0	5370	27.68	61000	2.40		
62.0	4640	23.91	59600	2.80		
35.0	8220	42.33	32500	0.90	KH 107 KHF 107 KHA 107 KHAF107	Y..200L-4 AM200 AD5
40.0	7180	37.00	34700	1.00		
47.0	6070	31.28	36600	1.10		
51.0	5630	29	37200	1.30	KH 107 KHF 107 KHA 107 KHAF107	Y..200L-4 AM200 AD6
56.0	5100	26.32	37700	1.40		
65.0	4390	22.62	37700	1.65		
75.0	3830	19.74	37400	1.90		
88.0	3250	16.75	36700	2.20		
101	2840	14.64	36100	2.40		
110	2600	13.43	34400	1.65		
126	2270	11.73	33800	1.90		
148	1930	9.94	32900	2.20		
170	1680	8.69	32200	2.40		
60.0	4800	24.75	19600	0.90	KH 97 KHF 97 KHA 97 KHAF 97	Y..200L-4 AM200 AD5
66.0	4340	22.37	20100	1.00		
78.0	3680	18.96	20700	1.15		
89.0	3210	16.56	21000	1.35		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration	
P₁=30kw							
106	2690	13.85	21200	1.60	KH 97 KHF 97 KHA 97 KHAF 97	Y..200L-4	
123	2320	11.99	21100	1.65		AM200	
						AD6	
142	2020	10.41	19500	1.40	KH 97 KHF 97 KHA 97 KHAF 97	Y..200L-4	
						AM200	
						AD5	
169	1690	8.71	19400	1.55	KH 97 KHF 97 KHA 97 KHAF 97	Y..200L-4	
						AM200	
						AD6	
P₁=37kw							
5.70	58500	261	190000	0.85	KH 187 KRF107 KHH 187 KRF107	Y..225S-4	
6.70	49600	221	190000	1.00		AM225	
7.60	43300	193	190000	1.15		AD6	
9.00	36500	163	190000	1.35			
8.20	39800	180	150000	0.80	KH 167 KRF107 KHH 167 KRF107	Y..225S-4	
9.20	35800	160	150000	0.90		AM225	
11.0	30300	135	150000	1.05		AD6	
12.0	26400	118	150000	1.20			
8.20	43000	179.86	190000	1.15	KH 187 KHH 187	Y..225S-4	
8.90	39500	165.21	190000	1.25		AM225	
10.0	34500	144.59	190000	1.45		AD6	
11.0	31000	129.69	190000	1.60	KH 187 KHH 187	Y..225S-4	
13.0	26900	112.6	190000	1.85		AM225	
14.0	24400	102.16	190000	2.00		AD7	
17.0	21000	88	190000	2.40	KH 187 KHH 187	Y..225S-4	
						AM225	
						AD8	
13.0	26200	109.83	150000	1.20	KH 167 KHH 167	Y..225S-4	
						AM225	
						AD6	
17.0	21000	87.86	150000	1.50	KH 167 KHH 167	Y..225S-4	
19.0	18600	78.14	150000	1.70		AM225	
22.0	16200	68.07	150000	1.95		AD7	
24.0	14500	60.74	150000	2.20			
29.0	12300	51.77	150000	2.60	KH 167 KHH 167	Y..225S-4	
						AM225	
						AD8	
16.0	21900	91.65	83700	0.80	KH 157 KHF 157 KHA 157 KHAF157	Y..225S-4	
19.0	19000	79.75	84500	0.95		AM225	
21.0	16800	70.38	84800	1.05		AD5	
24.0	14500	61.02	84600	1.25			

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration	
P₁=37kw							
27.0	12900	54.29	84100	1.40	KH 157 KHF 157 KHA 157 KHAF157	Y..225S-4	
						AM225	
						AD6	
32.0	11100	46.79	83100	1.60	KH 157 KHF 157 KHA 157 KHAF157	Y..225S-4	
39.0	9090	38.02	81200	2.00		AM225	
						AD7	
47.0	7480	31.3	79000	2.40	KH 157 KHF 157 KHA 157 KHAF157	Y..225S-4	
						AM225	
						AD8	
24.0	14900	62.6	57500	0.85	KH 127 KHF 127 KHA 127 KHAF127	Y..225S-4	
27.0	12900	54.07	58500	1.00		AM225	
31.0	11400	47.82	59000	1.15		AD5	
37.0	9610	40.19	59100	1.35	KH 127 KHF 127 KHA 127 KHAF127	Y..225S-4	
						AM225	
						AD6	
41.0	8660	36.25	58900	1.50	KH 127 KHF 127 KHA 127 KHAF127	Y..225S-4	
47.0	7500	31.37	58400	1.75		AM225	
53.0	6620	27.68	57800	1.95		AD7	
62.0	5710	23.91	56900	2.30			
70.0	5050	21.15	55900	2.60	KH 127 KHF 127 KHA 127 KHAF127	Y..225S-4	
83.0	4250	17.77	54500	3.10		AM225	
103	3430	14.35	52500	3.50		AD8	
116	3050	12.79	50200	2.80			
137	2560	10.74	48600	3.10			
170	2070	8.68	46500	3.50			
40.0	8850	37.00	25900	0.80	KH 107 KHF 107 KHA 107 KHAF107	Y..225S-4	
47.0	7480	31.28	29700	0.90		AM225	
						AD5	
51.0	6930	29	31000	1.05	KH 107 KHF 107 KHA 107 KHAF107	Y..225S-4	
56.0	6290	26.32	32300	1.15		AM225	
65.0	5400	22.62	33700	1.35		AD6	
75.0	4720	19.74	34400	1.50			
88.0	4000	16.75	34500	1.75			
101	3500	14.64	34100	1.95			
110	3210	13.43	32300	1.35			
126	2800	11.73	31900	1.55			
149	2370	9.94	31400	1.75			
170	2070	8.69	30900	1.95			
P₁=45kw							
6.70	60300	221	190000	0.85		KH 187 KRF107 KHH 187 KRF107	Y..225M-4
7.60	52700	193	190000	0.95	AM225		
9.00	44500	163	190000	1.10	AD6		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=45kw						
11.0	36900	135	150000	0.85	KH 167 KRF107 KHH 167 KRF107	Y..225M-4 AM225 AD6
12.0	32200	118	150000	1.00		
8.20	52200	179.86	190000	0.95	KH 187 KHH 187	Y..225M-4 AM225 AD6
9.00	48000	165.21	190000	1.05		
10.0	42000	144.59	190000	1.20		
11.0	37700	129.69	190000	1.35	KH 187 KHH 187	Y..225M-4 AM225 AD7
13.0	32700	112.6	190000	1.55		
14.0	29700	102.16	190000	1.70		
17.0	25500	88	190000	1.95		
20.0	21500	73.96	187500	2.30	KH 187 KHH 187	Y..225M-4 AM225 AD8
13.0	31900	109.83	150000	1.00	KH 167 KHH 167	Y..225M-4 AM225 AD6
17.0	25500	87.86	150000	1.25	KH 167 KHH 167	Y..225M-4 AM225 AD7
19.0	22700	78.14	150000	1.40		
22.0	19700	68.07	150000	1.60		
24.0	17600	60.74	148900	1.80		
29.0	15000	51.77	145200	2.10		
34.0	12400	42.89	140500	2.60	KH 167 KHH 167	Y..225M-4 AM225 AD8
21.0	20400	70.38	76800	0.90	KH 157 KHF 157 KHA 157 KHAF157	Y..225M-4 AM225 AD5
24.0	17700	61.02	77700	1.00		
27.0	15700	54.29	77900	1.15		
27.0	15700	54.29	77900	1.15	KH 157 KHF 157 KHA 157 KHAF157	Y..225M-4 AM225 AD6
32.0	13600	46.79	77800	1.30	KH 157 KHF 157 KHA 157 KHAF157	Y..225M-4 AM225 AD7
39.0	11000	38.02	76900	1.65		
47.0	9100	31.3	75500	2.00	KH 157 KHF 157 KHA 157 KHAF157	Y..225M-4 AM225 AD8
54.0	8030	27.62	74300	2.20		
62.0	6960	23.95	72800	2.60		
69.0	6190	21.31	71400	2.90		
80.0	5330	18.37	69600	3.40		
31.0	13900	47.82	52800	0.95	KH 127 KHF 127 KHA 127 KHAF127	Y..225M-4 AM225 AD5
37.0	11600	40.19	53900	1.10	KH 127 KHF 127 KHA 127 KHAF127	Y..225M-4 AM225 AD6

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=45kw						
41.0	10500	36.25	54200	1.25	KH 127 KHF 127 KHA 127 KHAF127	Y..225M-4 AM225 AD7
47.0	9110	31.37	54400	1.45		
53.0	8040	27.68	54200	1.60		
62.0	6940	23.91	53800	1.85		
70.0	6140	21.15	53200	2.10	KH 127 KHF 127 KHA 127 KHAF127	Y..225M-4 AM225 AD8
83.0	5160	17.77	52200	2.50		
103	4170	14.35	50600	2.90		
116	3710	12.79	48300	2.30		
138	3120	10.74	47000	2.60		
170	2520	8.68	45200	2.90		
51.0	8420	29	22900	0.85		
56.0	7640	26.32	25300	0.95		
65.0	6570	22.62	28100	1.10		
75.0	5730	19.74	29800	1.25		
88.0	4860	16.75	31100	1.45		
101	4250	14.64	31700	1.60		
110	3900	13.43	29900	1.10		
126	3400	11.73	29900	1.25		
149	2890	9.94	29600	1.45		
170	2520	8.69	29300	1.60		
P₁=55kw						
10.0	51400	144.59	190000	0.95	KH 187 KHH 187	Y..250M-4 AM250 AD6
11.0	46100	129.69	190000	1.10	KH 187 KHH 187	Y..250M-4 AM250 AD7
13.0	40000	112.6	188600	1.25		
14.0	36300	102.16	187100	1.35		
17.0	31300	88	184200	1.60	KH 187 KHH 187	Y..250M-4 AM250 AD8
20.0	26300	73.96	180200	1.90		
23.0	22800	64.04	176300	2.20		
17.0	31200	87.86	145300	1.00	KH 167 KHH 167	Y..250M-4 AM250 AD7
19.0	27800	78.14	144600	1.15		
22.0	24200	68.07	143300	1.30		
24.0	21600	60.74	141700	1.50		
28.0	18400	51.77	139100	1.75	KH 167 KHH 167	Y..250M-4 AM250 AD8
34.0	15200	42.89	135400	2.10		
40.0	13000	36.61	131900	2.40		
24.0	21700	61.02	69000	0.85	KH 157 KHF 157 KHA 157 KHAF157	Y..250M-4 AM250 AD5
27.0	19300	54.29	70200	0.95	KH 157 KHF 157 KHA 157 KHAF157	Y..250M-4 AM250 AD6
32.0	16600	46.79	71200	1.10	KH 157 KHF 157 KHA 157 KHAF157	Y..250M-4 AM250 AD7
39.0	13500	38.02	71500	1.35		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=55kw						
47.0	11100	31.3	71000	1.60	KH 157 KHF 157 KHA 157 KHAF157	Y..250M-4 AM250 AD8
53.0	9830	27.62	70400	1.85		
62.0	8520	23.95	69400	2.10		
69.0	7580	21.31	68400	2.40		
80.0	6530	18.37	67000	2.80		
99.0	5310	14.92	64800	3.40		
117	4500	12.65	62900	3.80		
37.0	14300	40.19	47400	0.90	KH 127 KHF 127 KHA 127 KHAF127	Y..250M-4 AM250 AD6
47.0	11100	31.37	49300	1.15	KH 127 KHF 127 KHA 127 KHAF127	Y..250M-4 AM250 AD7
53.0	9850	27.68	49700	1.30		
62.0	8510	23.91	49900	1.55		
70.0	7520	21.15	49800	1.75	KH 127 KHF 127 KHA 127 KHAF127	Y..250M-4 AM250 AD8
83.0	6320	17.77	49300	2.00		
103	5100	14.35	48300	2.40		
115	4550	12.79	45900	1.85		
137	3820	10.74	45000	2.10		
170	3080	8.68	43600	2.30		
P₁=75kw						
11.0	62700	129.69	164100	0.80	KH 187 KHH 187	Y..280S-4 AM280 AD7
13.0	54400	112.6	166100	0.90		
14.0	49400	102.16	166600	1.00		
17.0	42500	88	166600	1.15	KH 187 KHH 187	Y..280S-4 AM280 AD8
20.0	35700	73.96	165300	1.40		
23.0	30900	64.04	163400	1.60		
28.0	25800	53.36	160100	1.95		
33.0	22000	45.5	156700	2.30		
19.0	37800	78.14	126200	0.85		
22.0	32900	68.07	127200	0.95		
24.0	29300	60.74	127300	1.10		
29.0	25000	51.77	126800	1.30	KH 167 KHH 167	Y..280S-4 AM280 AD8
34.0	20700	42.89	125200	1.55		
40.0	17700	36.61	123200	1.80		
46.0	15600	32.25	121300	2.00		
51.0	13900	28.77	119300	2.30		
60.0	11800	24.52	116300	2.70		
39.0	18300	38.02	60800	1.00	KH 157 KHF 157 KHA 157 KHAF157	Y..280S-4 AM280 AD7
47.0	15100	31.3	62200	1.20	KH 157 KHF 157 KHA 157 KHAF157	Y..280S-4 AM280 AD8
54.0	13300	27.62	62600	1.35		
62.0	11500	23.95	62600	1.55		
69.0	10300	21.31	62400	1.75		
81.0	8880	18.37	61800	2.00		
99.0	7220	14.92	60500	2.50		
117	6120	12.65	59300	2.80		

n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=75kw						
47.0	15100	31.37	37900	0.85	KH 127 KHF 127 KHA 127 KHAF127	Y..280S-4 AM280 AD7
53.0	13300	27.68	40800	0.95		
62.0	11500	23.91	42200	1.10		
70.0	10200	21.15	42900	1.25	KH 127 KHF 127 KHA 127 KHAF127	Y..280S-4 AM280 AD8
83.0	8590	17.77	43600	1.50		
103	6940	14.35	43700	1.75		
116	6180	12.79	41100	1.40		
138	5190	10.74	41000	1.55		
171	4190	8.68	40400	1.70		
P₁=90kw						
14.0	59300	102.16	151300	0.85	KH 187 KHH 187	Y..280M-4 AM280 AD7
17.0	51100	88	153400	1.00	KH 187 KHH 187	Y..280M-4 AM280 AD8
20.0	42900	73.96	154200	1.15		
23.0	37100	64.04	153800	1.35		
28.0	30900	53.36	152200	1.60		
33.0	26400	45.50	149900	1.90		
35.0	24600	42.51	148700	2.00		
38.0	22300	38.57	146900	2.20		
22.0	39500	68.07	115100	0.80	KH 167 KHH 167	Y..280M-4 AM280 AD7
24.0	35200	60.74	116600	0.90		
29.0	30000	51.77	117600	1.05	KH 167 KHH 167	Y..280M-4 AM280 AD8
34.0	24900	42.89	117600	1.30		
40.0	21200	36.61	116700	1.50		
46.0	18700	32.25	115500	1.70		
51.0	16700	28.77	114200	1.90		
60.0	14200	24.52	111900	2.20		
73.0	11700	20.32	108800	2.70		
85.0	10000	17.34	106000	3.20		
39.0	22000	38.02	52700	0.80	KH 157 KHF 157 KHA 157 KHAF157	Y..280M-4 AM280 AD7
62.0	13900	23.95	57500	1.30	KH 157 KHF 157 KHA 157 KHAF157	Y..280M-4 AM280 AD8
69.0	12300	21.31	57900	1.45		
81.0	10600	18.37	57900	1.70		
99.0	8660	14.92	57400	2.10		
117	6120	12.65	59300	2.80		
62.0	13800	23.91	35400	0.95	KH 127 KHF 127 KHA 127 KHAF127	Y..280M-4 AM280 AD7
70.0	12200	21.15	37800	1.05	KH 127 KHF 127 KHA 127 KHAF127	Y..280M-4 AM280 AD8
83.0	10300	17.77	39200	1.25		
103	8330	14.35	40200	1.45		
116	7420	12.79	37600	1.15		
138	6230	10.74	38000	1.30		
171	5030	8.68	38000	1.45		

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P_i=110kw								
17.0	62300	88	135900	0.80	KH 187 KHH 187	Y..315S-4 - AD8		
20.0	52300	73.96	139500	0.95				
23.0	45300	64.04	141000	1.10				
28.0	37700	53.36	141500	1.30				
33.0	32200	45.50	140800	1.55				
35.0	30100	42.51	140200	1.65				
38.0	27300	38.57	139100	1.85				
45.0	23500	33.23	137100	2.10				
53.0	19700	27.92	134100	2.50				
29.0	36600	51.77	105400	0.85			KH 167 KHH 167	Y..315S-4 - AD8
35.0	30300	42.89	107500	1.05				
41.0	25900	36.61	108100	1.25				
46.0	22800	32.25	107900	1.40				
52.0	20300	28.77	107400	1.55				
60.0	17300	24.52	106100	1.85				
73.0	14300	20.32	104000	2.20				
86.0	12200	17.34	101800	2.60				
62.0	16900	23.95	50800	1.05	KH 157 KHF 157 KHA 157 KHAF157	Y..315S-4 - AD8		
70.0	15000	21.31	51800	1.20				
81.0	13000	18.37	52700	1.40				
99.0	10500	14.92	53100	1.70				
117	8960	12.65	53000	1.90				
P_i=132kw								
20.0	62700	73.96	123300	0.80	KH 187 KHH 187	Y..315M-4 - AD8		
23.0	54300	64.04	127000	0.90				
28.0	45200	53.36	129800	1.10				
33.0	38600	45.5	130800	1.30	KH 187 KHH 187	Y..315M-4 - AD8		
35.0	36000	42.51	130900	1.40				
38.0	32700	38.57	130700	1.55				
45.0	28200	33.23	129800	1.75				
53.0	23700	27.92	127900	2.10				
61.0	20500	24.18	125900	2.30				
74.0	17100	20.15	122800	2.60				
86.0	14500	17.18	119700	2.80				
35.0	36400	42.89	96400	0.90			KH 167 KHH 167	Y..315M-4 - AD8
41.0	31000	36.61	98600	1.05				
46.0	27300	32.25	99600	1.15				
52.0	24400	28.77	99900	1.30				
61.0	20800	24.52	99800	1.55				
73.0	17200	20.32	98700	1.85				
86.0	14700	17.34	97300	2.20				

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=132kw						
62.0	20300	23.95	43400	0.90	KH 157 KHF 157 KHA 157 KHAF157	Y..315M-4 - AD8
70.0	18000	21.31	45300	1.00		
81.0	15500	18.37	47000	1.15		
100	12600	14.92	48500	1.40		
117	10700	12.65	49100	1.60		
P_i=160kw						
28.0	54900	53.36	114900	0.90	KH 187 KHH 187	Y..315L-4 - AD8
33.0	46800	45.50	118100	1.05		
45.0	34200	33.23	120500	1.45	KH 187 KHH 187	Y..315L-4 - AD8
53.0	28700	27.92	120100	1.75		
61.0	24800	24.18	119100	1.90		
74.0	20700	20.15	117200	2.10		
86.0	17600	17.18	114900	2.30		
41.0	37600	36.61	86500	0.85	KH 167 KHH 167	Y..315L-4 - AD8
61.0	25200	24.52	91700	1.25		
73.0	20900	20.32	92000	1.55		
86.0	17800	17.34	91600	1.80	KH 157 KHF 157 KHA 157 KHAF157	Y..315M-4 - AD8
81.0	18900	18.37	39800	0.95		
99.0	15300	14.92	42600	1.15		
117	13000	12.65	44100	1.30		
P_i=200kw						
33.0	58600	45.50	100000	0.85	KH 187 KHH 187	Y..315L-4 - AD8
45.0	42800	33.23	107300	1.15		
53.0	35900	27.92	109000	1.40		
61.0	31100	24.18	109500	1.55		
74.0	25900	20.15	109200	1.70		
86.0	22100	17.18	108100	1.85		
60.0	31600	24.52	80100	1.00	KH 167 KHH 167	Y..315L-4 - AD8
73.0	26100	20.32	82400	1.20		
85.0	22300	17.34	83400	1.45		
99.0	19200	14.92	34200	0.95	KH 157 KHF 157 KHA 157 KHAF157	Y..315L-4 - AD8
117	16300	12.65	36900	1.05		

K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

4. 8 KH../KHF..性能參數 /KH../KHF.. Performance Parameters

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{2max}=200Nm$				
0.20	6832	5640		
0.23	5922	5640		
0.25	5491	5640		
0.29	4759	5640		
0.33	4160	5640		
0.38	3645	5640		
0.43	3205	5640		
0.49	2801	5640		
0.56	2454	5640		
0.64	2166	5640		
0.73	1891	5640		
0.83	1660	5640	KH 37 KRF17	Y..63M ₁ -4
0.94	1466	5640	KHF 37 KRF17	Y..63M ₁ -4
1.10	1288	5640	KHA 37 KRF17	Y..63M ₁ -4
1.20	1136	5640	KHAF 37 KRF17	Y..63M ₁ -4
1.40	996	5640		
1.60	876	5640		
1.80	761	5640		
2.10	671	5640		
2.40	585	5640		
2.70	512	5640		
3.10	451	5640		
3.50	396	5640		
4.00	346	5640		
4.50	304	5640		
4.90	267	5640	KH 37 KRF17	Y..63M ₁ -4
5.60	234	5640	KHF 37 KRF17	Y..63M ₁ -4
6.40	205	5640	KHA 37 KRF17	Y..63M ₁ -4
7.30	181	5640	KHAF 37 KRF17	Y..63M ₁ -4
8.10	160	5640	KH 37 KRF17	Y..71M ₁ -4
9.50	136	5640	KHF 37 KRF17	Y..71M ₁ -4
10.0	127	5640	KHA 37 KRF17	Y..71M ₁ -4
			KHAF 37 KRF17	Y..71M ₁ -4
12.0	110	5640	KH 37 KRF17	Y..71M ₁ -4
14.0	96	5640	KHF 37 KRF17	Y..71M ₁ -4
			KHA 37 KRF17	Y..71M ₁ -4
			KHAF 37 KRF17	Y..71M ₁ -4
$M_{2max}=400Nm$				
0.14	10138	5920		
0.16	8534	5920		
0.18	7662	5920		
0.20	6826	5920		
0.23	5983	5920		
0.27	5159	5920	KH 47 KRF37	Y..63M ₁ -4
0.30	4601	5920	KHF 47 KRF37	Y..63M ₁ -4
0.35	3940	5920	KHA 47 KRF37	Y..63M ₁ -4
0.40	3477	5920	KHAF 47 KRF37	Y..63M ₁ -4
0.45	3043	5920		
0.51	2733	5920		
0.59	2354	5920		
0.67	2063	5920		
0.76	1819	5920		
$M_{2max}=400Nm$				
0.87	1586	5920		
0.99	1388	5920		
1.10	1222	5920	KH 47 KRF37	Y..63M ₁ -4
1.30	1097	5920	KHF 47 KRF37	Y..63M ₁ -4
1.50	945	5920	KHA 47 KRF37	Y..63M ₁ -4
1.70	831	5920	KHAF 47 KRF37	Y..63M ₁ -4
1.90	718	5920		
2.20	639	5920		
2.40	552	5920	KH 47 KRF37	Y..63M ₁ -4
2.70	495	5920	KHF 47 KRF37	Y..63M ₁ -4
3.10	426	5920	KHA 47 KRF37	Y..63M ₁ -4
3.50	375	5920	KHAF 47 KRF37	Y..63M ₁ -4
4.00	327	5920	KH 47 KRF37	Y..71M ₁ -4
4.50	289	5920	KHF 47 KRF37	Y..71M ₁ -4
5.10	256	5920	KHA 47 KRF37	Y..71M ₁ -4
			KHAF 47 KRF37	Y..71M ₁ -4
6.20	225	5920	KH 47 KRF37	Y..71M ₁ -4
7.00	198	5920	KHF 47 KRF37	Y..71M ₁ -4
			KHA 47 KRF37	Y..71M ₁ -4
			KHAF 47 KRF37	Y..71M ₁ -4
8.10	171	5920	KH 47 KRF37	Y..80M ₁ -4
9.00	153	5920	KHF 47 KRF37	Y..80M ₁ -4
11.00	131	5920	KHA 47 KRF37	Y..80M ₁ -4
			KHAF 47 KRF37	Y..80M ₁ -4
$M_{2max}=600Nm$				
0.11	12169	7630		
0.12	11162	7630		
0.15	9503	7630		
0.16	8547	7630		
0.19	7277	7630		
0.21	6478	7630		
0.24	5662	7630		
0.27	5033	7630		
0.32	4340	7630		
0.36	3854	7630	KH 57 KRF37	Y..63M ₁ -4
0.41	3390	7630	KHF 57 KRF37	Y..63M ₁ -4
0.47	2924	7630	KHA 57 KRF37	Y..63M ₁ -4
0.53	2593	7630	KHAF 57 KRF37	Y..63M ₁ -4
0.61	2249	7630		
0.70	1986	7630		
0.79	1743	7630		
0.90	1539	7630		
1.00	1354	7630		
1.20	1174	7630		
1.30	1036	7630		
1.50	906	7630		
1.60	806	7630	KH 57 KRF37	Y..63M ₁ -4
1.90	699	7630	KHF 57 KRF37	Y..63M ₁ -4
2.20	615	7630	KHA 57 KRF37	Y..63M ₁ -4
			KHAF 57 KRF37	Y..63M ₁ -4

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{max}=600Nm$				
2.40	544	7630	KH 57 KRF37	Y..71M ₁ -4
2.80	473	7630	KHF 57 KRF37	Y..71M ₁ -4
3.10	421	7630	KHA 57 KRF37	Y..71M ₁ -4
			KHAF 57 KRF37	Y..71M ₁ -4
3.80	362	7630	KH 57 KRF37	Y..71M ₁ -4
4.30	319	7630	KHF 57 KRF37	Y..71M ₁ -4
4.90	280	7630	KHA 57 KRF37	Y..71M ₁ -4
			KHAF 57 KRF37	Y..71M ₁ -4
5.60	246	7630	KH 57 KRF37	Y..80M ₁ -4
6.40	215	7630	KHF 57 KRF37	Y..80M ₁ -4
7.20	192	7630	KHA 57 KRF37	Y..80M ₁ -4
			KHAF 57 KRF37	Y..80M ₁ -4
8.60	166	7630	KH 57 KRF37	Y..80M ₁ -4
9.90	145	7630	KHF 57 KRF37	Y..80M ₁ -4
			KHA 57 KRF37	Y..80M ₁ -4
			KHAF 57 KRF37	Y..80M ₁ -4
11.0	129	7630	KH 57 KRF37	Y..90S-4
13.0	111	7630	KHF 57 KRF37	Y..90S-4
15.0	97	7630	KHA 57 KRF37	Y..90S-4
			KHAF 57 KRF37	Y..90S-4
$M_{max}=820Nm$				
0.11	12139	10300		
0.12	11134	10300		
0.15	9479	10300		
0.17	8173	10300		
0.19	7259	10300		
0.21	6462	10300		
0.24	5648	10300	KH 67 KRF37	Y..63M ₁ -4
0.28	4846	10300	KHF 67 KRF37	Y..63M ₁ -4
0.32	4329	10300	KHA 67 KRF37	Y..63M ₁ -4
0.37	3750	10300	KHAF 67 KRF37	Y..63M ₁ -4
0.42	3315	10300		
0.47	2917	10300		
0.55	2532	10300		
0.62	2244	10300		
0.70	1981	10300		
0.79	1739	10300	KH 67 KRF37	Y..63M ₁ -4
0.90	1535	10300	KHF 67 KRF37	Y..63M ₁ -4
1.00	1351	10300	KHA 67 KRF37	Y..63M ₁ -4
1.20	1171	10300	KHAF 67 KRF37	Y..63M ₁ -4
1.30	1034	10300	KH 67 KRF37	Y..63M ₁ -4
1.50	903	10300	KHF 67 KRF37	Y..63M ₁ -4
1.70	793	10300	KHA 67 KRF37	Y..63M ₁ -4
			KHAF 67 KRF37	Y..63M ₁ -4
1.90	697	10300	KH 67 KRF37	Y..71M ₁ -4
2.10	613	10300	KHF 67 KRF37	Y..71M ₁ -4
2.40	542	10300	KHA 67 KRF37	Y..71M ₁ -4
			KHAF 67 KRF37	Y..71M ₁ -4

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{max}=820Nm$				
2.90	471	10300	KH 67 KRF37	Y..71M ₁ -4
3.30	420	10300	KHF 67 KRF37	Y..71M ₁ -4
3.80	361	10300	KHA 67 KRF37	Y..71M ₁ -4
			KHAF 67 KRF37	Y..71M ₁ -4
4.30	323	10300	KH 67 KRF37	Y..80M ₁ -4
5.00	279	10300	KHF 67 KRF37	Y..80M ₁ -4
5.60	246	10300	KHA 67 KRF37	Y..80M ₁ -4
			KHAF 67 KRF37	Y..80M ₁ -4
6.60	217	10300	KH 67 KRF37	Y..80M ₁ -4
7.50	191	10300	KHF 67 KRF37	Y..80M ₁ -4
			KHA 67 KRF37	Y..80M ₁ -4
			KHAF 67 KRF37	Y..80M ₁ -4
$M_{max}=1550Nm$				
0.09	15310	15400		
0.10	14043	15400		
0.12	11955	15400		
0.14	10217	15400	KH 77 KRF37	Y..63M ₁ -4
0.16	8809	15400	KHF 77 KRF37	Y..63M ₁ -4
0.18	7528	15400	KHA 77 KRF37	Y..63M ₁ -4
0.21	6606	15400	KHAF 77 KRF37	Y..63M ₁ -4
0.24	5774	15400		
0.27	5089	15400		
0.31	4489	15400	KH 77 KRF37	Y..63M ₁ -4
0.35	3961	15400	KHF 77 KRF37	Y..63M ₁ -4
0.40	3485	15400	KHA 77 KRF37	Y..63M ₁ -4
0.48	2901	15400	KHAF 77 KRF37	Y..63M ₁ -4
0.51	2717	15400		
0.56	2370	15400	KH 77 KRF37	Y..63M ₁ -4
0.64	2050	15400	KHF 77 KRF37	Y..63M ₁ -4
0.75	1772	15400	KHA 77 KRF37	Y..63M ₁ -4
0.87	1514	15400	KHAF 77 KRF37	Y..63M ₁ -4
0.95	1388	15400		
1.10	1218	15400	KH 77 KRF37	Y..71M ₁ -4
1.20	1053	15400	KHF 77 KRF37	Y..71M ₁ -4
			KHA 77 KRF37	Y..71M ₁ -4
			KHAF 77 KRF37	Y..71M ₁ -4
1.50	924	15400	KH 77 KRF37	Y..71M ₁ -4
1.70	815	15400	KHF 77 KRF37	Y..71M ₁ -4
2.00	709	15400	KHA 77 KRF37	Y..71M ₁ -4
			KHAF 77 KRF37	Y..71M ₁ -4
2.20	622	15400	KH 77 KRF37	Y..80M ₁ -4
2.50	552	15400	KHF 77 KRF37	Y..80M ₁ -4
2.80	485	15400	KHA 77 KRF37	Y..80M ₁ -4
			KHAF 77 KRF37	Y..80M ₁ -4
3.40	428	15400	KH 77 KRF37	Y..80M ₁ -4
3.90	367	15400	KHF 77 KRF37	Y..80M ₁ -4
			KHA 77 KRF37	Y..80M ₁ -4
			KHAF 77 KRF37	Y..80M ₁ -4

K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{max}=2700Nm$				
4.30	328	15400	KH 77 KRF37	Y..90S-4
4.90	290	15400	KHF 77 KRF37	Y..90S-4
5.60	252	15400	KHA 77 KRF37	Y..90S-4
			KHAF 77 KRF37	Y..90S-4
0.09	14829	27300		
0.10	13168	27300		
0.12	11737	27300		
0.14	10217	27300	KH 87 KRF57	Y..63M _L -4
0.15	9073	27300	KHF 87 KRF57	Y..63M _L -4
0.18	7854	27300	KHA 87 KRF57	Y..63M _L -4
0.20	6832	27300	KHAF 87 KRF57	Y..63M _L -4
0.23	5930	27300		
0.26	5240	27300		
0.30	4562	27300		
0.33	4037	27300	KH 87 KRF57	Y..63M _L -4
0.37	3609	27300	KHF 87 KRF57	Y..63M _L -4
0.42	3107	27300	KHA 87 KRF57	Y..63M _L -4
0.48	2728	27300	KHAF 87 KRF57	Y..63M _L -4
0.55	2371	27300	KH 87 KRF57	Y..71M _L -4
0.62	2088	27300	KHF 87 KRF57	Y..71M _L -4
0.70	1854	27300	KHA 87 KRF57	Y..71M _L -4
			KHAF 87 KRF57	Y..71M _L -4
0.83	1657	27300	KH 87 KRF57	Y..71M _L -4
0.97	1415	27300	KHF 87 KRF57	Y..71M _L -4
1.10	1229	27300	KHA 87 KRF57	Y..71M _L -4
			KHAF 87 KRF57	Y..71M _L -4
1.30	1078	27300	KH 87 KRF57	Y..80M _L -4
1.40	951	27300	KHF 87 KRF57	Y..80M _L -4
1.60	837	27300	KHA 87 KRF57	Y..80M _L -4
			KHAF 87 KRF57	Y..80M _L -4
2.00	726	27300	KH 87 KRF57	Y..80M _L -4
2.20	638	27300	KHF 87 KRF57	Y..80M _L -4
			KHA 87 KRF57	Y..80M _L -4
			KHAF 87 KRF57	Y..80M _L -4
2.50	562	27300	KH 87 KRF57	Y..90S-4
3.00	474	27300	KHF 87 KRF57	Y..90S-4
3.30	426	27300	KHA 87 KRF57	Y..90S-4
			KHAF 87 KRF57	Y..90S-4
3.80	373	27300	KH 87 KRF57	Y..90L-4
4.30	330	27300	KHF 87 KRF57	Y..90L-4
4.90	294	27300	KHA 87 KRF57	Y..90L-4
			KHAF 87 KRF57	Y..90L-4
5.70	250	27300	KH 87 KRF57	Y..100L _L -4
6.00	236	27300	KHF 87 KRF57	Y..100L _L -4
7.10	201	27300	KHA 87 KRF57	Y..100L _L -4
			KHAF 87 KRF57	Y..100L _L -4

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{max}=4300Nm$				
0.08	18091	40000	KH 97 KRF57	Y..63M _L -4
0.08	16666	40000	KHF 97 KRF57	Y..63M _L -4
0.09	14897	40000	KHA 97 KRF57	Y..63M _L -4
0.10	13182	40000	KHAF 97 KRF57	Y..63M _L -4
0.12	11677	40000		
0.13	10317	40000	KH 97 KRF57	Y..63M _L -4
0.15	9083	40000	KHF 97 KRF57	Y..63M _L -4
0.17	8054	40000	KHA 97 KRF57	Y..63M _L -4
0.20	6970	40000	KHAF 97 KRF57	Y..63M _L -4
0.22	6027	40000	KH 97 KRF57	Y..63M _L -4
0.24	5391	40000	KHF 97 KRF57	Y..63M _L -4
0.28	4669	40000	KHA 97 KRF57	Y..63M _L -4
0.32	4082	40000	KHAF 97 KRF57	Y..63M _L -4
0.36	3583	40000	KH 97 KRF57	Y..71M _L -4
0.42	3108	40000	KHF 97 KRF57	Y..71M _L -4
0.47	2757	40000	KHA 97 KRF57	Y..71M _L -4
			KHAF 97 KRF57	Y..71M _L -4
0.57	2419	40000	KH 97 KRF57	Y..71M _L -4
0.65	2123	40000	KHF 97 KRF57	Y..71M _L -4
			KHA 97 KRF57	Y..71M _L -4
			KHAF 97 KRF57	Y..71M _L -4
0.74	1856	40000	KH 97 KRF57	Y..80M _L -4
0.85	1625	40000	KHF 97 KRF57	Y..80M _L -4
0.96	1430	40000	KHA 97 KRF57	Y..80M _L -4
1.10	1261	40000	KHAF 97 KRF57	Y..80M _L -4
1.30	1102	40000	KH 97 KRF57	Y..80M _L -4
1.50	957	40000	KHF 97 KRF57	Y..80M _L -4
			KHA 97 KRF57	Y..80M _L -4
			KHAF 97 KRF57	Y..80M _L -4
1.70	855	40000	KH 97 KRF57	Y..90S-4
1.90	743	40000	KHF 97 KRF57	Y..90S-4
2.20	652	40000	KHA 97 KRF57	Y..90S-4
			KHAF 97 KRF57	Y..90S-4
2.50	573	40000	KH 97 KRF57	Y..90L-4
2.80	504	40000	KHF 97 KRF57	Y..90L-4
			KHA 97 KRF57	Y..90L-4
			KHAF 97 KRF57	Y..90L-4
3.30	437	40000	KH 97 KRF57	Y..100L _L -4
3.70	382	40000	KHF 97 KRF57	Y..100L _L -4
4.20	342	40000	KHA 97 KRF57	Y..100L _L -4
			KHAF 97 KRF57	Y..100L _L -4
4.80	305	40000	KH 97 KRF57	Y..100L _L -4
5.60	258	40000	KHF 97 KRF57	Y..100L _L -4
			KHA 97 KRF57	Y..100L _L -4
			KHAF 97 KRF57	Y..100L _L -4
6.30	232	40000	KH 97 KRF57	Y..112M-4
7.30	199	40000	KHF 97 KRF57	Y..112M-4
			KHA 97 KRF57	Y..112M-4
			KHAF 97 KRF57	Y..112M-4

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

n_2 [1/min]	i	F_r [N]	Frame size	Motor
$M_{max}=8000Nm$				
0.10	14311	65000	KH 107 KRF77	Y..63M-4
			KHF 107 KRF77	Y..63M-4
			KHA 107 KRF77	Y..63M-4
			KHAF107 KRF77	Y..63M-4
0.11	12211	65000	KH 107 KRF77	Y..63M-4
			KHF 107 KRF77	Y..63M-4
			KHA 107 KRF77	Y..63M-4
			KHAF107 KRF77	Y..63M-4
0.12	10677	65000	KH 107 KRF77	Y..63M-4
			KHF 107 KRF77	Y..63M-4
			KHA 107 KRF77	Y..63M-4
			KHAF107 KRF77	Y..63M-4
0.14	9524	65000	KH 107 KRF77	Y..63M-4
			KHF 107 KRF77	Y..63M-4
			KHA 107 KRF77	Y..63M-4
			KHAF107 KRF77	Y..63M-4
0.16	8328	65000	KH 107 KRF77	Y..63M-4
			KHF 107 KRF77	Y..63M-4
			KHA 107 KRF77	Y..63M-4
			KHAF107 KRF77	Y..63M-4
0.18	7270	65000	KH 107 KRF77	Y..71M-4
			KHF 107 KRF77	Y..71M-4
			KHA 107 KRF77	Y..71M-4
			KHAF107 KRF77	Y..71M-4
0.21	6184	65000	KH 107 KRF77	Y..71M-4
			KHF 107 KRF77	Y..71M-4
			KHA 107 KRF77	Y..71M-4
			KHAF107 KRF77	Y..71M-4
0.23	5662	65000	KH 107 KRF77	Y..71M-4
			KHF 107 KRF77	Y..71M-4
			KHA 107 KRF77	Y..71M-4
			KHAF107 KRF77	Y..71M-4
0.27	5138	65000	KH 107 KRF77	Y..71M-4
			KHF 107 KRF77	Y..71M-4
			KHA 107 KRF77	Y..71M-4
			KHAF107 KRF77	Y..71M-4
0.32	4359	65000	KH 107 KRF77	Y..71M-4
			KHF 107 KRF77	Y..71M-4
			KHA 107 KRF77	Y..71M-4
			KHAF107 KRF77	Y..71M-4
0.36	3810	65000	KH 107 KRF77	Y..71M-4
			KHF 107 KRF77	Y..71M-4
			KHA 107 KRF77	Y..71M-4
			KHAF107 KRF77	Y..71M-4
0.41	3358	65000	KH 107 KRF77	Y..80M-4
			KHF 107 KRF77	Y..80M-4
			KHA 107 KRF77	Y..80M-4
			KHAF107 KRF77	Y..80M-4
0.46	2977	65000	KH 107 KRF77	Y..80M-4
			KHF 107 KRF77	Y..80M-4
			KHA 107 KRF77	Y..80M-4
			KHAF107 KRF77	Y..80M-4
0.53	2599	65000	KH 107 KRF77	Y..80M-4
			KHF 107 KRF77	Y..80M-4
			KHA 107 KRF77	Y..80M-4
			KHAF107 KRF77	Y..80M-4
0.63	2286	65000	KH 107 KRF77	Y..80M-4
			KHF 107 KRF77	Y..80M-4
			KHA 107 KRF77	Y..80M-4
			KHAF107 KRF77	Y..80M-4
0.74	1939	65000	KH 107 KRF77	Y..80M-4
			KHF 107 KRF77	Y..80M-4
			KHA 107 KRF77	Y..80M-4
			KHAF107 KRF77	Y..80M-4
0.83	1713	65000	KH 107 KRF77	Y..90S-4
			KHF 107 KRF77	Y..90S-4
			KHA 107 KRF77	Y..90S-4
			KHAF107 KRF77	Y..90S-4
0.91	1554	65000	KH 107 KRF77	Y..90S-4
			KHF 107 KRF77	Y..90S-4
			KHA 107 KRF77	Y..90S-4
			KHAF107 KRF77	Y..90S-4
1.10	1336	65000	KH 107 KRF77	Y..90S-4
			KHF 107 KRF77	Y..90S-4
			KHA 107 KRF77	Y..90S-4
			KHAF107 KRF77	Y..90S-4
1.20	1166	65000	KH 107 KRF77	Y..90L-4
			KHF 107 KRF77	Y..90L-4
			KHA 107 KRF77	Y..90L-4
			KHAF107 KRF77	Y..90L-4
1.40	1030	65000	KH 107 KRF77	Y..90L-4
			KHF 107 KRF77	Y..90L-4
			KHA 107 KRF77	Y..90L-4
			KHAF107 KRF77	Y..90L-4
1.60	904	65000	KH 107 KRF77	Y..90L-4
			KHF 107 KRF77	Y..90L-4
			KHA 107 KRF77	Y..90L-4
			KHAF107 KRF77	Y..90L-4
1.80	793	65000	KH 107 KRF77	Y..100L-4
			KHF 107 KRF77	Y..100L-4
			KHA 107 KRF77	Y..100L-4
			KHAF107 KRF77	Y..100L-4
2.00	696	65000	KH 107 KRF77	Y..100L-4
			KHF 107 KRF77	Y..100L-4
			KHA 107 KRF77	Y..100L-4
			KHAF107 KRF77	Y..100L-4
2.30	615	65000	KH 107 KRF77	Y..100L-4
			KHF 107 KRF77	Y..100L-4
			KHA 107 KRF77	Y..100L-4
			KHAF107 KRF77	Y..100L-4
2.80	522	65000	KH 107 KRF77	Y..100L-4
			KHF 107 KRF77	Y..100L-4
			KHA 107 KRF77	Y..100L-4
			KHAF107 KRF77	Y..100L-4
3.20	461	65000	KH 107 KRF77	Y..100L-4
			KHF 107 KRF77	Y..100L-4
			KHA 107 KRF77	Y..100L-4
			KHAF107 KRF77	Y..100L-4
3.60	408	65000	KH 107 KRF77	Y..112M-4
			KHF 107 KRF77	Y..112M-4
			KHA 107 KRF77	Y..112M-4
			KHAF107 KRF77	Y..112M-4
4.00	364	65000	KH 107 KRF77	Y..112M-4
			KHF 107 KRF77	Y..112M-4
			KHA 107 KRF77	Y..112M-4
			KHAF107 KRF77	Y..112M-4
4.60	318	65000	KH 107 KRF77	Y..132S-4
			KHF 107 KRF77	Y..132S-4
			KHA 107 KRF77	Y..132S-4
			KHAF107 KRF77	Y..132S-4
5.10	286	65000	KH 107 KRF77	Y..132S-4
			KHF 107 KRF77	Y..132S-4
			KHA 107 KRF77	Y..132S-4
			KHAF107 KRF77	Y..132S-4
5.80	251	65000	KH 107 KRF77	Y..132S-4
			KHF 107 KRF77	Y..132S-4
			KHA 107 KRF77	Y..132S-4
			KHAF107 KRF77	Y..132S-4

n_2 [1/min]	i	F_r [N]	Frame size	Motor
$M_{max}=13000Nm$				
0.08	17550	79200	KH 127 KRF77	Y..63M-4
			KHF 127 KRF77	Y..63M-4
			KHA 127 KRF77	Y..63M-4
			KHAF127 KRF77	Y..63M-4
0.08	16006	79200	KH 127 KRF77	Y..63M-4
			KHF 127 KRF77	Y..63M-4
			KHA 127 KRF77	Y..63M-4
			KHAF127 KRF77	Y..63M-4
0.09	14975	79200	KH 127 KRF77	Y..63M-4
			KHF 127 KRF77	Y..63M-4
			KHA 127 KRF77	Y..63M-4
			KHAF127 KRF77	Y..63M-4
0.11	12440	79200	KH 127 KRF77	Y..63M-4
			KHF 127 KRF77	Y..63M-4
			KHA 127 KRF77	Y..63M-4
			KHAF127 KRF77	Y..63M-4
0.12	10915	79200	KH 127 KRF77	Y..71M-4
			KHF 127 KRF77	Y..71M-4
			KHA 127 KRF77	Y..71M-4
			KHAF127 KRF77	Y..71M-4
0.13	9819	79200	KH 127 KRF77	Y..71M-4
			KHF 127 KRF77	Y..71M-4
			KHA 127 KRF77	Y..71M-4
			KHAF127 KRF77	Y..71M-4
0.15	8443	79200	KH 127 KRF77	Y..71M-4
			KHF 127 KRF77	Y..71M-4
			KHA 127 KRF77	Y..71M-4
			KHAF127 KRF77	Y..71M-4
0.18	7482	79200	KH 127 KRF77	Y..71M-4
			KHF 127 KRF77	Y..71M-4
			KHA 127 KRF77	Y..71M-4
			KHAF127 KRF77	Y..71M-4
0.21	6565	79200	KH 127 KRF77	Y..71M-4
			KHF 127 KRF77	Y..71M-4
			KHA 127 KRF77	Y..71M-4
			KHAF127 KRF77	Y..71M-4
0.24	5804	79200	KH 127 KRF77	Y..80M-4
			KHF 127 KRF77	Y..80M-4
			KHA 127 KRF77	Y..80M-4
			KHAF127 KRF77	Y..80M-4
0.27	5027	79200	KH 127 KRF77	Y..80M-4
			KHF 127 KRF77	Y..80M-4
			KHA 127 KRF77	Y..80M-4
			KHAF127 KRF77	Y..80M-4
0.31	4423	79200	KH 127 KRF77	Y..80M-4
			KHF 127 KRF77	Y..80M-4
			KHA 127 KRF77	Y..80M-4
			KHAF127 KRF77	Y..80M-4
0.37	3889	79200	KH 127 KRF77	Y..80M-4
			KHF 127 KRF77	Y..80M-4
			KHA 127 KRF77	Y..80M-4
			KHAF127 KRF77	Y..80M-4
0.43	3311	79200	KH 127 KRF77	Y..80M-4
			KHF 127 KRF77	Y..80M-4
			KHA 127 KRF77	Y..80M-4
			KHAF127 KRF77	Y..80M-4
0.48	3009	79200	KH 127 KRF77	Y..80M-4
			KHF 127 KRF77	Y..80M-4
			KHA 127 KRF77	Y..80M-4
			KHAF127 KRF77	Y..80M-4
0.54	2607	79200	KH 127 KRF77	Y..90S-4
			KHF 127 KRF77	Y..90S-4
			KHA 127 KRF77	Y..90S-4
			KHAF127 KRF77	Y..90S-4
0.63	2268	79200	KH 127 KRF77	Y..90S-4
			KHF 127 KRF77	Y..90S-4
			KHA 127 KRF77	Y..90S-4
			KHAF127 KRF77	Y..90S-4
0.74	1926	79200	KH 127 KRF77	Y..90L-4
			KHF 127 KRF77	Y..90L-4
			KHA 127 KRF77	Y..90L-4
			KHAF127 KRF77	Y..90L-4
0.81	1757	79200	KH 127 KRF77	Y..90L-4
			KHF 127 KRF77	Y..90L-4
			KHA 127 KRF77	Y..90L-4
			KHAF127 KRF77	Y..90L-4
0.93	1541	79200	KH 127 KRF77	Y..90L-4
			KHF 127 KRF77	Y..90L-4
			KHA 127 KRF77	Y..90L-4
			KHAF127 KRF77	Y..90L-4
1.10	1342	79200	KH 127 KRF77	Y..100L-4
			KHF 127 KRF77	Y..100L-4
			KHA 127 KRF77	Y..100L-4
			KHAF127 KRF77	Y..100L-4
1.20	1177	79200	KH 127 KRF77	Y..100L-4
			KHF 127 KRF77	Y..100L-4
			KHA 127 KRF77	Y..100L-4
			KHAF127 KRF77	Y..100L-4
1.40	1025	79200	KH 127 KRF77	Y..100L-4
			KHF 127 KRF77	Y..100L-4
			KHA 127 KRF77	Y..100L-4
			KHAF127 KRF77	Y..100L-4
1.60	899	79200	KH 127 KRF77	Y..100L-4
			KHF 127 KRF77	Y..100L-4
			KHA 127 KRF77	Y..100L-4
			KHAF127 KRF77	Y..100L-4
1.80	790	79200	KH 127 KRF77	Y..100L-4
			KHF 127 KRF77	Y..100L-4
			KHA 127 KRF77	Y..100L-4
			KHAF127 KRF77	Y..100L-4
2.10	704	79200	KH 127 KRF77	Y..112M-4
			KHF 127 KRF77	Y..112M-4
			KHA 127 KRF77	Y..112M-4
			KHAF127 KRF77	Y..112M-4
2.40	610	79200	KH 127 KRF77	Y..112M-4
			KHF 127 KRF77	Y..112M-4
			KHA 127 KRF77	Y..112M-4
			KHAF127 KRF77	Y..112M-4
2.70	549	79200	KH 127 KRF77	Y..112M-4
			KHF 127 KRF77	Y..112M-4
			KHA 127 KRF77	Y..112M-4
			KHAF127 KRF77	Y..112M-4
3.00	477	79200	KH 127 KRF77	Y..132S-4
			KHF 127 KRF77	Y..132S-4
			KHA 127 KRF77	Y..132S-4
			KHAF127 KRF77	Y..132S-4
3.50	418	79200	KH 127 KRF77	Y..132S-4
			KHF 127 KRF77	Y..132S-4
			KHA 127 KRF77	Y..132S-4
			KHAF127 KRF77	Y..132S-4
2.70	536	79200	KH 127 KRF77	Y..132S-4
			KHF 127 KRF77	Y..132S-4
			KHA 127 KRF77	Y..132S-4
			KHAF127 KRF77	Y..132S-4
3.10	473	79200	KH 127 KRF77	Y..132S-4
			KHF 127 KRF77	Y..132S-4
			KHA 127 KRF77	Y..132S-4
			KHAF127 KRF77	Y..132S-4
3.50	418	79200	KH 127 KRF77	Y..132S-4
			KHF 127 KRF77	Y..132S-4
			KHA 127 KRF77	Y..132S-4
			KHAF127 KRF77	Y..132S-4

K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{2max}=13000Nm$				
4.00	367	79200	KH 127 KRF87	Y..132M-4
4.40	330	79200	KHF 127 KRF87 KHA 127 KRF87 KHAF127 KRF87	Y..132M-4 Y..132M-4 Y..132M-4
$M_{2max}=18000Nm$				
0.08	17679	112200		
0.09	15729	112200		
0.09	14721	112200	KH 157 KRF97	Y..80M-4
0.11	13097	112200	KHF 157 KRF97	Y..80M-4
0.12	11368	112200	KHA 157 KRF97	Y..80M-4
0.14	10114	112200	KHAF157 KRF97	Y..80M-4
0.16	8718	112200		
0.18	7734	112200		
0.28	5074	112200	KH 157 KRF97	Y..80M-4
0.32	4514	112200	KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..80M-4 Y..80M-4 Y..80M-4
0.36	3979	112200	KH 157 KRF97	Y..90S-4
0.40	3516	112200	KHF 157 KRF97	Y..90S-4
0.47	3051	112200	KHA 157 KRF97 KHAF157 KRF97	Y..90S-4 Y..90S-4
0.55	2610	112200	KH 157 KRF97	Y..90L-4
0.62	2322	112200	KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..90L-4 Y..90L-4 Y..90L-4
0.72	2029	112200	KH 157 KRF97	Y..100L-4
0.79	1805	112200	KHF 157 KRF97	Y..100L-4
0.86	1659	112200	KHA 157 KRF97	Y..100L-4
1.00	1365	112200	KHAF157 KRF97	Y..100L-4
1.20	1229	112200	KH 157 KRF97	Y..100L-4
1.30	1093	112200	KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..100L-4 Y..100L-4 Y..100L-4
1.60	942	112200	KH 157 KRF97	Y..112M-4
1.70	854	112200	KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..112M-4 Y..112M-4 Y..112M-4
1.90	756	112200	KH 157 KRF97	Y..132S-4
2.20	661	112200	KHF 157 KRF97	Y..132S-4
2.60	567	112200	KHA 157 KRF97 KHAF157 KRF97	Y..132S-4 Y..132S-4
2.90	504	112200	KH 157 KRF97	Y..132M-4
3.40	434	112200	KHF 157 KRF97 KHA 157 KRF97 KHAF157 KRF97	Y..132M-4 Y..132M-4 Y..132M-4
5.10	291	112200	KH 157 KRF97	Y..160M-4
4.50	325	112200	KHF 157 KRF97	Y..160M-4
4.90	299	112200	KHA 157 KRF97 KHAF157 KRF97	Y..160M-4 Y..160M-4

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{2max}=18000Nm$				
5.80	253	112200	KH 157 KRF97	Y..160L-4
6.40	230	112200	KHF 157 KRF97	Y..160L-4
6.90	213	112200	KHA 157 KRF97 KHAF157 KRF97	Y..160L-4 Y..160L-4
$M_{2max}=32000Nm$				
0.07	19723	150000		
0.08	17406	150000		Y..80M-4
0.09	15000	150000	KH 167 KRF97	Y..80M-4
0.10	13238	150000	KHH 167 KRF97	Y..80M-4
0.12	11573	150000		Y..80M-4
0.13	10264	150000		
0.17	8628	150000	KH 167 KRF97 KHH 167 KRF97	Y..80M-4 Y..80M-4 Y..80M-4
0.22	6562	150000	KH 167 KRF97	Y..90S-4
0.27	5355	150000	KHH 167 KRF97	Y..90S-4
0.30	4788	150000	KH 167 KRF97	Y..90L-4
0.35	4079	150000	KHH 167 KRF97	Y..90L-4
0.42	3376	150000	KH 167 KRF97	Y..100L-4
0.52	2755	150000	KHH 167 KRF97	Y..100L-4
0.64	2263	150000	KH 167 KRF97	Y..100L-4
0.67	2182	150000	KHH 167 KRF97	Y..100L-4
0.86	1704	150000	KH 167 KRF97	Y..112M-4
1.00	1408	150000	KHH 167 KRF97	Y..112M-4
1.10	1296	150000	KH 167 KRF97	Y..132S-4
1.30	1101	150000	KHH 167 KRF97	Y..132S-4
1.60	944	150000	KH 167 KRF97	Y..132M-4
1.70	843	150000	KHH 167 KRF97	Y..132M-4
1.90	757	150000		
2.60	561	150000	KH 167 KRF97 KHH 167 KRF97	Y..160M-4 Y..160M-4
3.00	481	150000		
3.50	423	150000	KH 167 KRF97	Y..160L-4
4.00	369	150000	KHH 167 KRF97	Y..160L-4
4.60	318	150000	KH 167 KRF107 KHH 167 KRF107	Y..180M-4 Y..180M-4
5.30	278	150000	KH 167 KRF107	Y..180L-4
6.00	244	150000	KHH 167 KRF107	Y..180L-4
6.90	213	150000		
7.20	206	150000	KH 167 KRF107	Y..200L-4
8.20	180	150000	KHH 167 KRF107	Y..200L-4

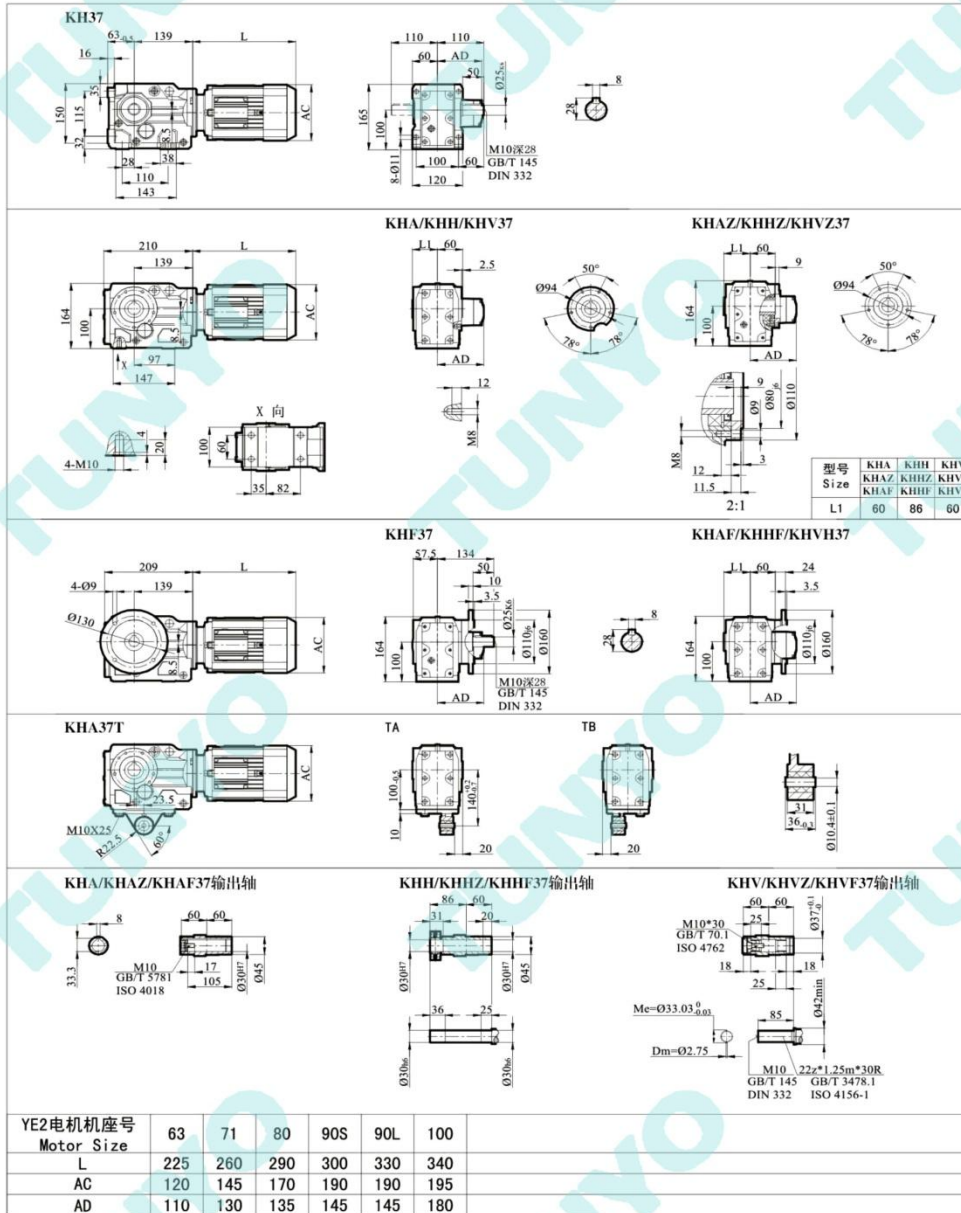
K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

n_2 [1/min]	i	F_r [N]	Frame size	Motor
$M_{2max}=32000Nm$				
9.20	160	15000	KH 167 KRF107	Y..225S-4
			KHH 167 KRF107	Y..225S-4
11.0	135	15000	KH 167 KRF107	Y..250M-4
12.0	118	15000	KHH 167 KRF107	Y..250M-4
$M_{2max}=50000Nm$				
0.04	32625	19000		
0.05	27165	19000		
0.06	24353	19000	KH 187 KRF97	Y..80M-4
0.07	19144	19000	KHH 187 KRF97	Y..80M-4
0.08	16978	19000		
0.10	14272	19000	KH 187 KRF97	Y..80M-4
0.11	13116	19000	KHH 187 KRF97	Y..80M-4
0.12	11647	19000		
0.14	10413	19000	KH 187 KRF97	Y..90S-4
0.15	9363	19000	KHH 187 KRF97	Y..90S-4
0.17	8126	19000		
0.19	7343	19000	KH 187 KRF97	Y..90L-4
0.21	6747	19000	KHH 187 KRF97	Y..90L-4
0.24	5991	19000		
0.27	5358	19000	KH 187 KRF97	Y..100L-4
0.30	4817	19000	KHH 187 KRF97	Y..100L-4
0.33	4370	19000		
0.40	3609	19000	KH 187 KRF97	Y..100L-4
0.48	3062	19000	KHH 187 KRF97	Y..100L-4

n_2 [1/min]	i	F_r [N]	Frame size	Motor
$M_{2max}=50000Nm$				
0.58	2519	19000	KH 187 KRF97	Y..112M-4
			KHH 187 KRF97	Y..112M-4
0.64	2268	19000		
0.71	2054	19000	KH 187 KRF97	Y..132S-4
0.80	1821	19000	KHH 187 KRF97	Y..132S-4
0.91	1605	19000		
1.00	1395	19000	KH 187 KRF97	Y..132M-4
1.20	1196	19000	KHH 187 KRF97	Y..132M-4
2.00	738	19000	KH 187 KRF97	Y..160L-4
2.40	621	19000	KHH 187 KRF97	Y..160L-4
2.80	527	19000	KH 187 KRF97	Y..180M-4
			KHH 187 KRF97	Y..180M-4
1.80	835	19000	KH 187 KRF107	Y..160M-4
			KHH 187 KRF107	Y..160M-4
2.00	729	19000	KH 187 KRF97	Y..160L-4
2.40	622	19000	KHH 187 KRF97	Y..160L-4
2.80	520	19000	KH 187 KRF97	Y..180M-4
3.20	454	19000	KHH 187 KRF97	Y..180M-4
4.20	355	19000	KH 187 KRF97	Y..200L-4
			KHH 187 KRF97	Y..200L-4
5.70	261	19000	KH 187 KRF97	Y..225S-4
			KHH 187 KRF97	Y..225S-4
6.70	221	19000	KH 187 KRF97	Y..225M-4
7.60	193	19000	KHH 187 KRF97	Y..225M-4

K系列斜齒輪減速電機 K Series Helical Gear Reduction Motor

4.9 外形尺寸 / Dimensions



K系列斜齒輪減速電機

K Series Helical Gear Reduction Motor

KH47
 Dimensions: 18, 71, 166, L, AC, 163, 130, 37, 35, 131, 162, 185, 112, 115, 170, 4, 20, M10, 110, 70, 40, 100, X向

KHA47B KHH47B KHV47B
 Dimensions: 135, 72, AD, 60, 0.33mm, 8-0.11, 120, 75, 145, 33, 8, 78, 75, 15, 2.5, 112, 120, 145, 185

KHA/KHH/KHV47
 Dimensions: 240, L, AC, 185, 112, 170, 4, 20, M10, 110, 70, 40, 100, X向, 14, M8

KHAZ/KHHZ/KHVZ47
 Dimensions: L1, 75, 3, 185, 112, AD, 45°, 45°, 0.102, 45°, 45°, 0.102, 45°, 45°, 0.102, 14, M8, 3, 11, 14, 2:1

型号	KHA	KHH	KHV
Size	KHAZ	KHHZ	KHVZ
	KHAF	KHHE	KHVF
L1	75	105	75

KHF47
 Dimensions: 240, L, AC, 4-0.11, 0.165, 185, 112, 160, 72, 12, 60, 3.5, 0.30mm, 0.130, 0.200, AD, M10, 110, 70, 40, 100, X向, M8, 3, 11, 14, 2:1

KHAF/KHHE/KHVF47
 Dimensions: L1, 75, 2.5, 3.5, 185, 112, AD, 0.130, 0.200, M8, 3, 11, 14, 2:1

KHA47T
 Dimensions: M10X30, R2.5, 45°, 12, 112, 160, 20, 20, 36, 0.4±0.1, Ø10.4±0.1

TA
 Dimensions: 112, 160, 20, 20, 36, 0.4±0.1, Ø10.4±0.1

TB
 Dimensions: 112, 160, 20, 20, 36, 0.4±0.1, Ø10.4±0.1

KHA/KHAZ/KHAF47输出轴
 Dimensions: 10, 75, 75, 22.4, 0.33mm, Ø50, 38.3, M12, GB/T 5781, ISO 4018

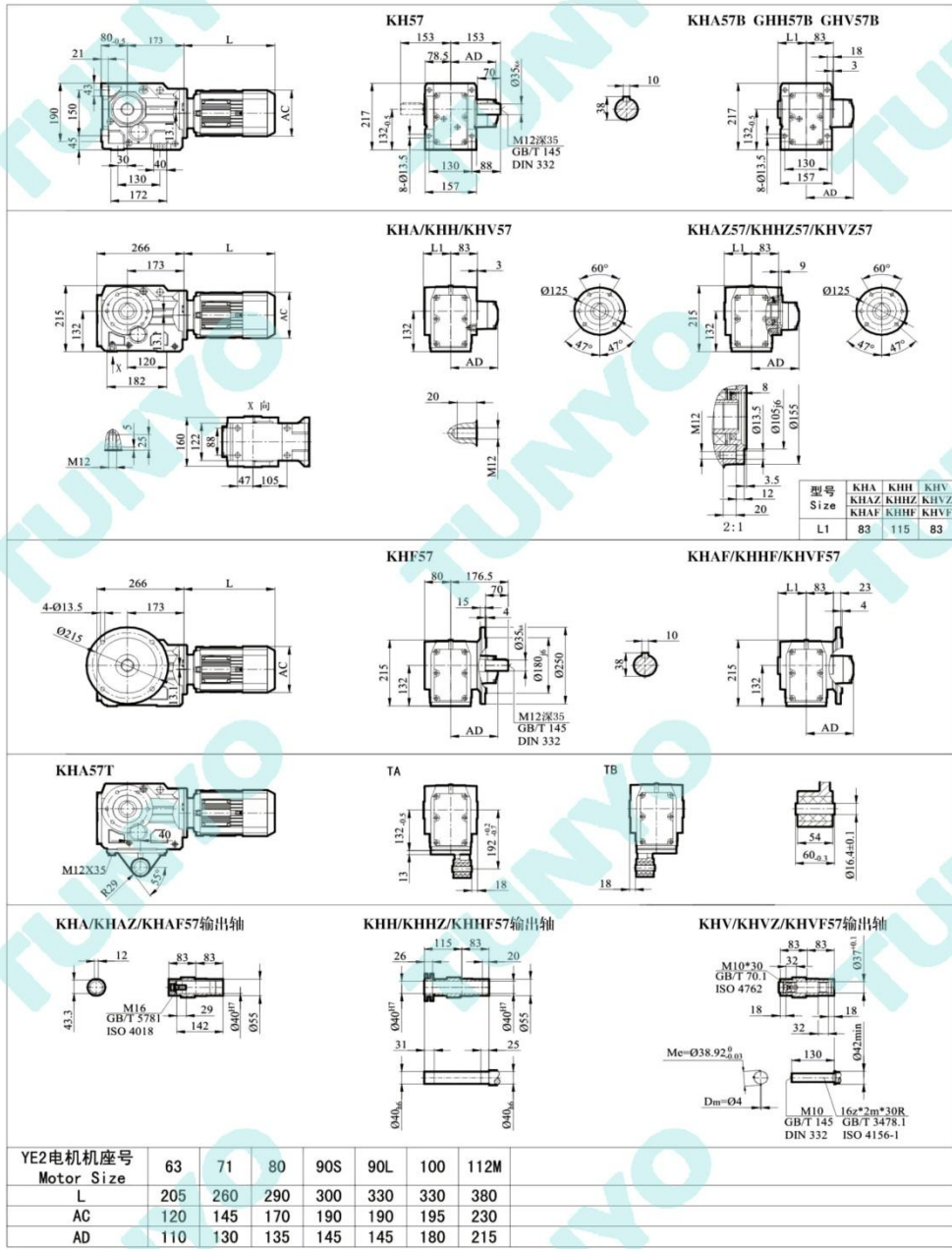
KHH/KHHZ/KHHE47输出轴
 Dimensions: 105, 75, 32, 20, 0.35mm, 0.35mm, Ø50, 37, 25, 0.35mm, 0.35mm

KHV/KHVZ/KHVF47输出轴
 Dimensions: 75, 75, 0.37mm, M10*30, GB/T 70.1, ISO 4762, 18, 18, 32, Me=0.38, 92, 0.01, Ø42mm, M10, 16g*2m*20R, GB/T 145, GB/T 3478.1, DIN 332, ISO 4156-1

YE2电机座号 Motor Size	63	71	80	90S	90L	100
L	205	260	290	300	320	330
AC	120	145	170	190	190	195
AD	110	130	135	145	145	180

K系列斜齒輪減速電機

K Series Helical Gear Reduction Motor



K系列斜齒輪減速電機

K Series Helical Gear Reduction Motor

KH67
M16 \times 40
GB/T 145
DIN 332

KHA67B KHH67BKHV67B

KHA/KHH/KHV67
M12

KHAZ/KHHZ/KHVZ67
M12

型号	KHA	KHH	KHV
Size	KHAZ	KHHZ	KHVZ
	KHAF	KHHF	KHVF
L1	90	120	90

KHF67
M16 \times 40
GB/T 145
DIN 332

KHAF/KHHF/KHVF67

KHA67T
M12 \times 35

TA
TB

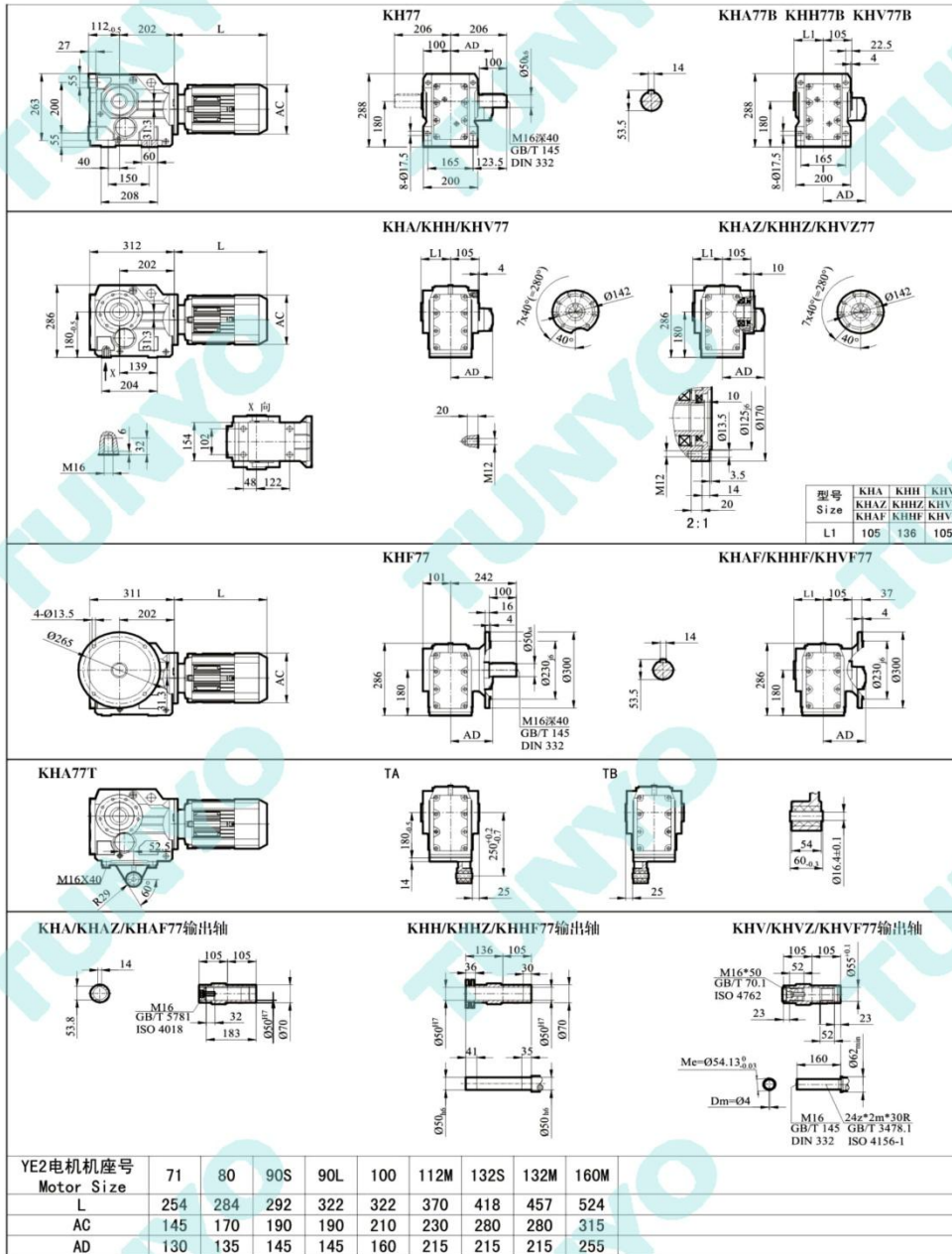
KHA/KHAZ/KHAF67输出轴
M16
GB/T 3781
ISO 4018

KHH/KHHZ/KHHF67输出轴

KHV/KHVZ/KHVF67输出轴
M16 \times 50
GB/T 70.1
ISO 4762
Me=048.85 \pm 0.01
Dm=04

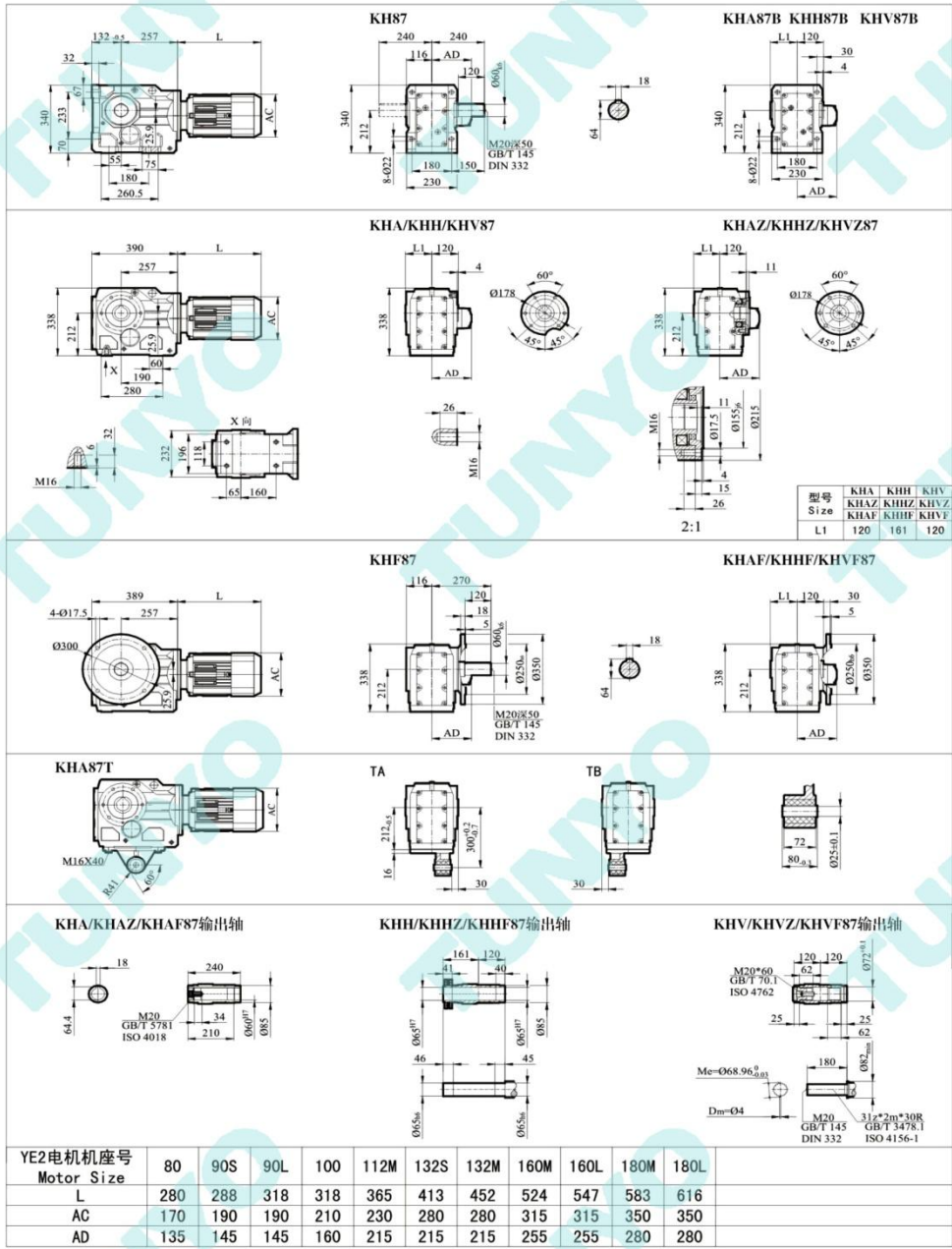
YE2电机座号 Motor Size	63	71	80	90S	90L	100	112M	132S
L	205	260	290	300	330	330	380	430
AC	120	145	170	190	190	210	230	280
AD	110	130	135	145	145	160	215	215

K系列斜齿轮减速电机 K Series Helical Gear Reduction Motor



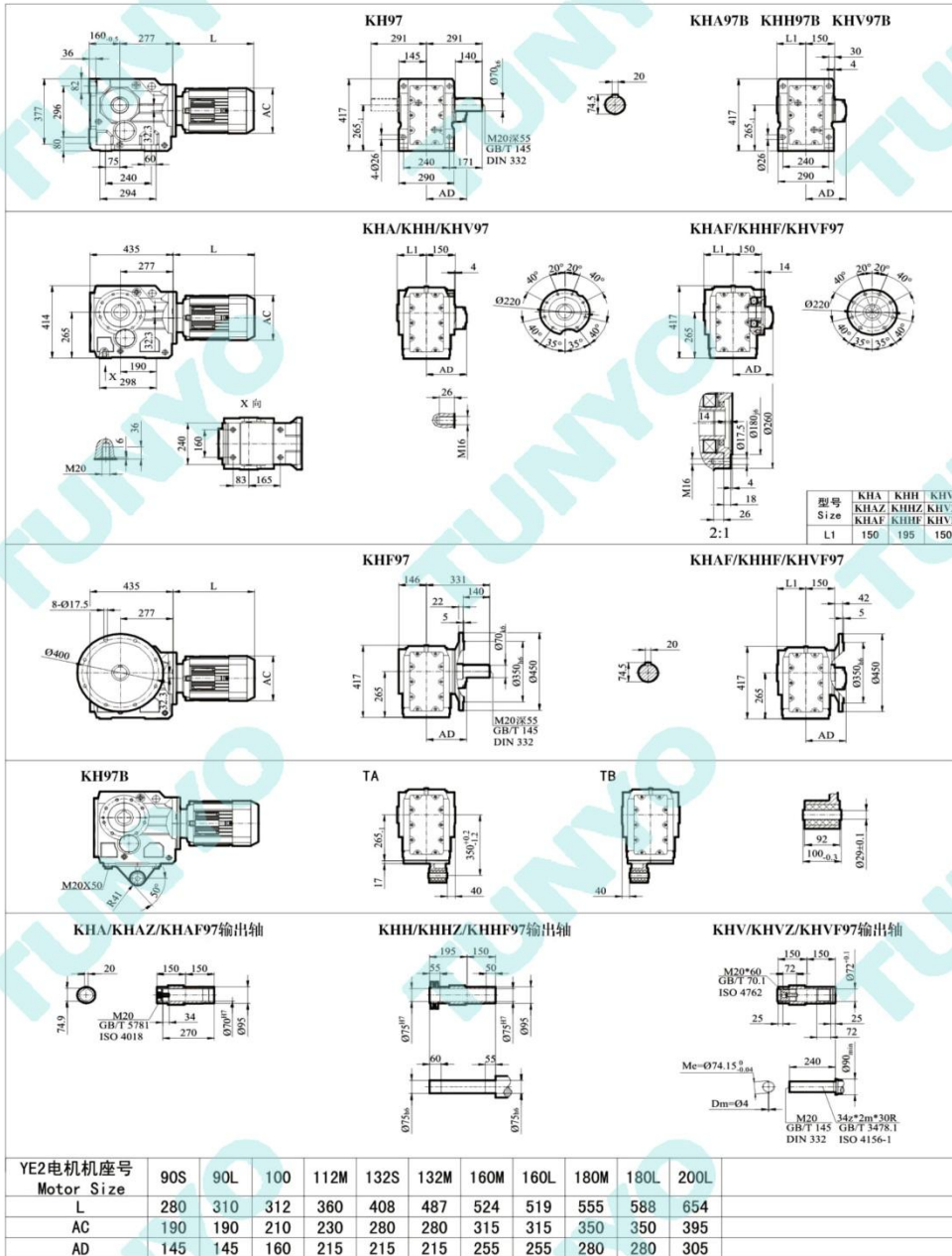
K系列斜齿輪減速電機

K Series Helical Gear Reduction Motor



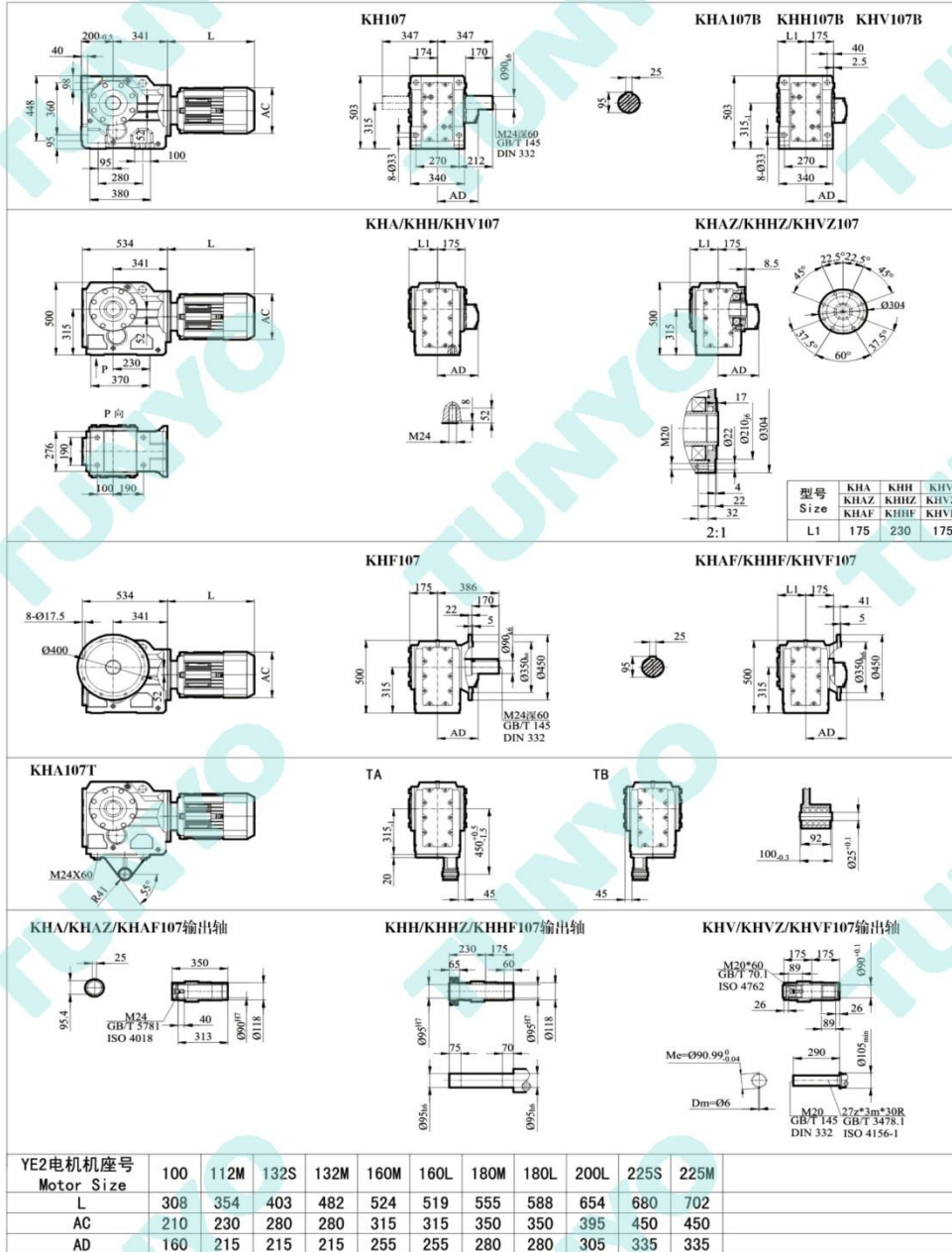
K系列斜齒輪減速電機

K Series Helical Gear Reduction Motor



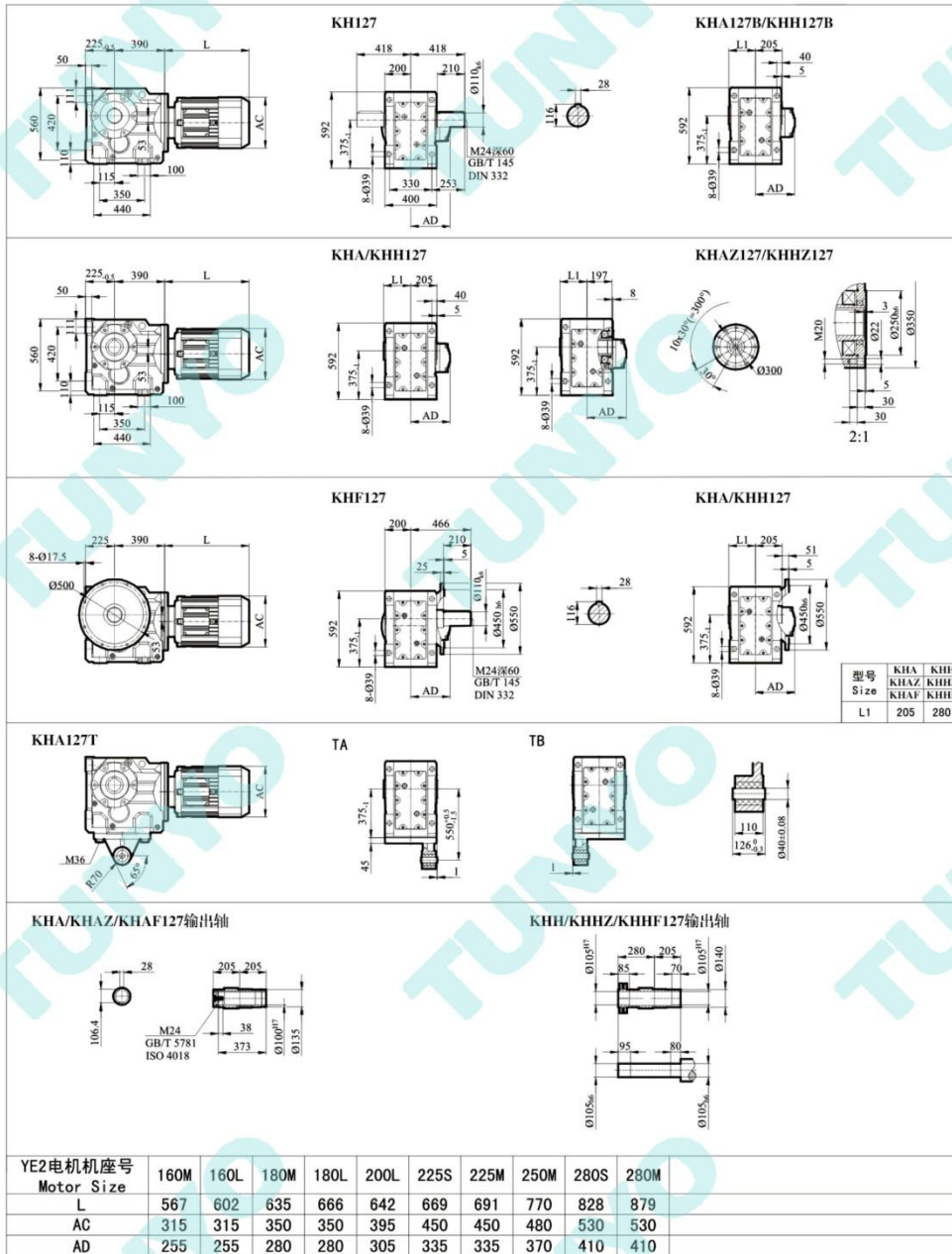
K系列斜齒輪減速電機

K Series Helical Gear Reduction Motor



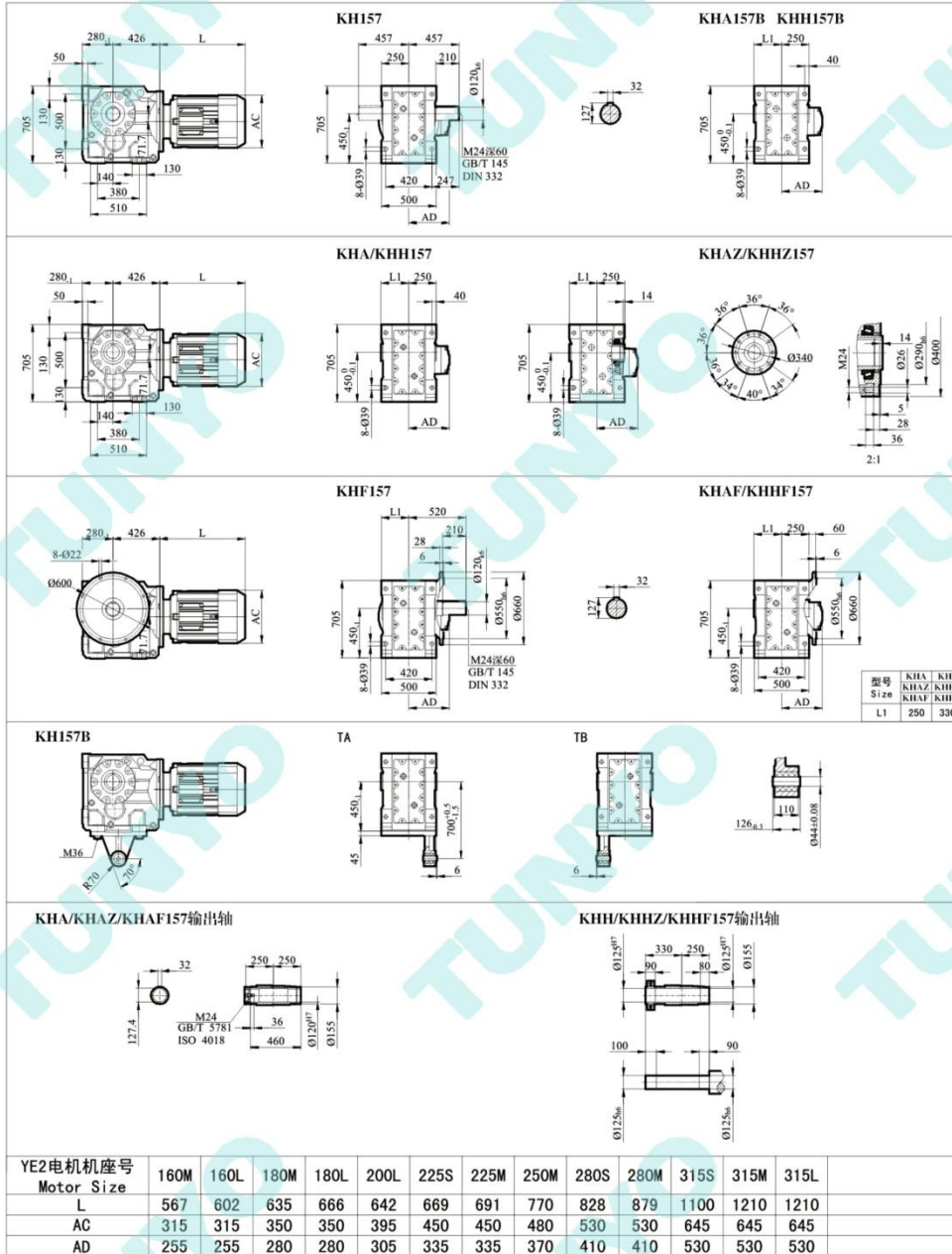
K系列斜齒輪減速電機

K Series Helical Gear Reduction Motor



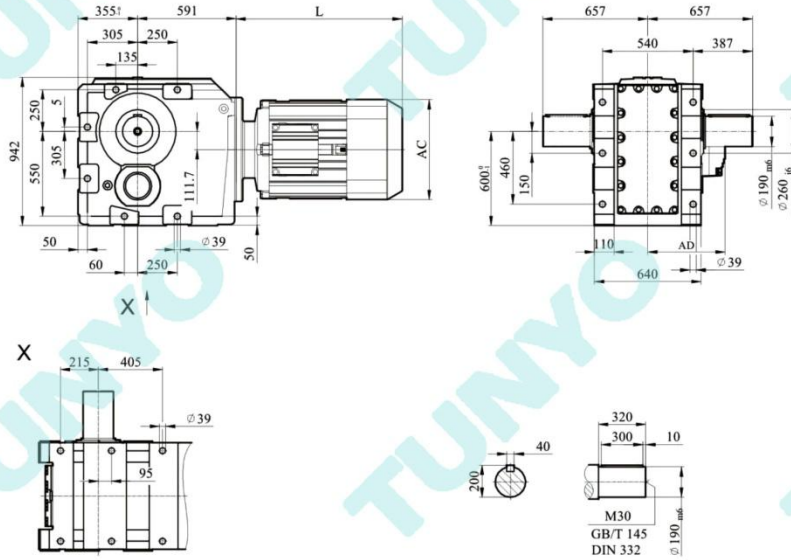
K系列斜齒輪減速電機

K Series Helical Gear Reduction Motor

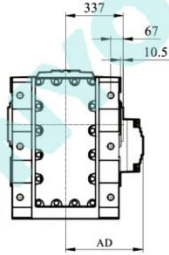


K系列斜齒輪減速電機
K Series Helical Gear Reduction Motor

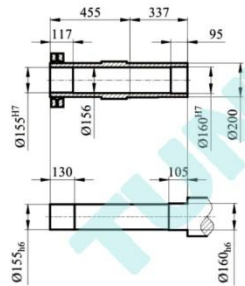
KHF187



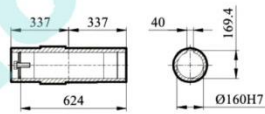
KHA/KHH187



KHH187輸出軸



KHA187輸出軸



YE2电机座号 Motor Size	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M	315L
L	567	602	635	666	642	669	691	770	828	879	1100	1210	1210
AC	315	315	350	350	395	450	450	480	530	530	645	645	645
AD	255	255	280	280	305	335	335	370	410	410	530	530	530

TUNYO®



CCC 認證取得
CERTIFICATE OF APPROVAL CCC



CE 認證取得
CERTIFICATE OF APPROVAL CE



RoHS 認證取得
CERTIFICATE OF APPROVAL RoHS



ISO 9001 認證取得
CERTIFICATE OF APPROVAL ISO9001

東洋機電

電話:0769-85269398

傳真:0769-85269528

郵箱:ch@tunyo.com.cn

網址:www.tunyo.com.cn

服務熱綫:400-600-8155

2021年03月制作 本目錄內容以2021年03月之現行資料為準。