

PRODUCT FOCUS

SEW EURODRIVE

Agitator/Mixer Drives K.M.. / F.M.. / RM.. Series

An agitator or mixing drive rotates an impeller and connected shaft in material of varying viscosity and at varying speeds. Due to the design of the impeller and how it is mounted and fixed, the forces generated can require extra support of the output. Additionally, because of the proximity and location of the gear unit to the tank, care must be taken to avoid contamination of the product via oil leakages.

SEW-EURODRIVE's gear units designed for agitator/mixer applications are equipped with an extended bearing hub specifically optimized for use in mixers and agitators. These units are available in three tried and tested standard gear unit designs. An optional drywell prevents contamination from oil leakage.

Benefits/Advantages

- High permitted overhung loads
- No additional bearing required for the agitator shaft
- Standard dimensions
- Utilizes standard R../F../K.. series gearing
- Multiple motor and gear unit options for custom applications
- Global parts and service from SEW-EURODRIVE

Product Range

F.M.. Series parallel-shaft helical gear unit

- FAM67 - FAM157 (hollow shaft)
- FM67 - FM157 (solid shaft)

K.M.. Series right-angle helical-bevel gear unit

- KAM67 - KAM157 (hollow shaft)
- KM67 - KM157 (solid shaft)

RM.. Series inline helical gear unit

- RM57 - RM137 (solid shaft)

Options for Mixer/Agitator Applications

- Double oil seal on the output side for additional protection against leaks
- Grease nipple for further greasing of output shaft bearings
- Motor power range of 0.25HP through 275HP
- Optional AM.. motor adapter for mounting NEMA and IEC motors

Also available for FM../FAM.. and KM../KAM.. series:

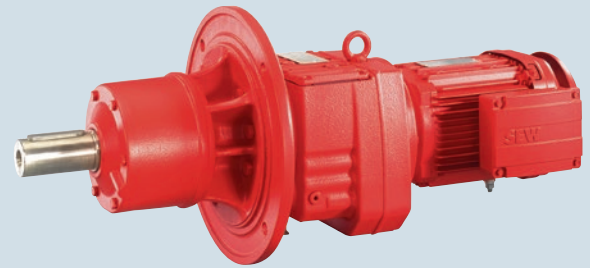
- Reinforced bearings increase permitted overhung load for high output speeds and low gear ratios
- Drywell design with leak sensor prevents contamination



FM.. Series helical gear unit
(solid or hollow shaft)



KAM.. Series helical-bevel gear unit
(solid or hollow shaft)



RM.. Series (solid shaft) gear unit



Application shown using X series drive

Product Overview

	RM.. series helical gear units (two- and three-stage)	FM../FAM.. series parallel-shaft helical gear units (two- and three-stage)	KM../KAM.. series helical-bevel gear units, (three-stage)
	8 sizes	7 sizes	7 sizes
	57 / 67 / 77 / 87 / 97 / 107 / 127 / 137	67 / 77 / 87 / 97 / 107 / 127 / 157	67 / 77 / 87 / 97 / 107 / 127 / 157
Gear unit ratio (i)	4.29 - 289.74	3.87 - 281.71	5.20 - 197.37
Max. output torque (lb-in)	3,980 - 70,800	7,250 - 159,300	7,250 - 159,300

U.S. Operations:

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Shaft Dimensions

Size	Solid shaft	Hollow Shaft
	All dimensions in millimeters [mm]	
RM 57	35 x 70	-
F.M / K.M / RM 67	45 x 90	40
F.M / K.M / RM 77	55 x 110	50
F.M / K.M / RM 87	65 x 130	60
F.M / K.M / RM 97	75 x 140	70
F.M / K.M / RM 107	90 x 170	90
F.M / K.M / RM 127	110 x 210	100
RM 137	100 x 210	-
F.M / K.M 157	140 x 250 / 120 x 210	120

About SEW-EURODRIVE...

Our product is motion. Our focus is solutions. As a worldwide supplier of innovative gearing, motor, and electronic drive technology, we have been solving problems in large and small applications within virtually every industry since 1931.

Locally in the US, we have 5 assembly centers where we provide final assembly, custom modifications, and assistance with project planning, startup, and training. All products are backed by our industry-leading 24/7 support program.