



## FEM LV Motor

Brand .....FEM

### Description

The new series of FRANDER ELEKTRIM MOTOR, now written in short form FEM, is robust in design and construction to meet the ever increasing demand in quality for all standard industries drives. The output range from 1.1kW to 90kW now manufactured to the high efficiency meeting the requirement to the EUROPE standard of efficiency level. The word IE1 & IE2 appearing on the nameplate shall designated to its performance.

Catalogue Download:

<https://fem-gearmotor.com.my/attachments/3755/download>

## Gearbox - Hollow Shaft & Flange

Brand .....FEM  
Helical Bevel Gearbox .....12 Sizes

### Description

FEM bevel gearbox consisted of double stage and triple stage reduction to suit varies kind of application.

It has a higher efficiency on power transmission and are able to have higher input and output rating.

- Twelve Sizes : 37,47,57,67,77,87,97,107,127, 157,167,187
- Output Shafts - Solid, Hollow with Key/Shrink Disc
- Output Flanges - B14 & B5, Torque Arm
- Mounting - B3, B5, V1
- Input rating up to 200kW
- Nominal torque rating up to 50000Nm
- IEC Adaptor that suit any IEC Motor



Gearbox with Hollow Shaft and Flange



Gearbox with Solid Shaft and Flange

## Gearbox - Solid Shaft and Flange

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## Gearbox - Solid Output & IEC Adaptor

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Solid Shaft Gearbox



Gearbox with Input Shaft

## Gearbox - Output & Input Solid Shaft

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Helical Bevel Gearbox.....12 Sizes

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- Nominal torque rating up to 50000Nm
- IEC Adaptor that suit any IEC Motor

## Gearbox - Output Flange & Shaft

Brand.....FEM  
Helical Worm Gearbox.....7 Sizes

### Description

FEM Worm gearbox consisted of double stage and triple stage reduction to suit varies kind of application.

Right angle output and it compact size is suitable on close space environment installation.

- Seven Sizes : 37,47,57,67,77,87,97
- Output Shafts - Solid, Hollow with Key/Shrink Disc
- Output Flanges - B14 & B5, Torque Arm
- Mounting - B3, B5, V1
- Input rating up to 22kW
- Nominal torque rating up to 4000Nm
- IEC Adaptor that suit any IEC Motor



Tandem Gear Reducer



Single Reduction Gear Reducer

## Gearbox - Hollow Shaft with C Flange

Brand .....FEM  
Helical Worm Gearbox.....7 Sizes

### Description

FEM Worm gearbox consisted of double stage and triple stage reduction to suit varies kind of application.

Right angle output and it compact size is suitable on close space environment installation.

- Seven Sizes : 37,47,57,67,77,87,97
- Output Shafts - Solid, Hollow with Key/Shrink Disc
- Output Flanges - B14 & B5, Torque Arm
- Mounting - B3, B5, V1
- Input rating up to 22kW
- Nominal torque rating up to 4000Nm
- IEC Adaptor that suit any IEC Motor

## Gearbox - Solid Output Shaft

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Helical Worm Gearbox.....7 Sizes

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FEM Worm gearbox consisted of double stage and triple stage reduction to suit varies kind of application.

Right angle output and it compact size is suitable on close space environment installation.

- Seven Sizes : 37,47,57,67,77,87,97
- Output Shafts - Solid, Hollow with Key/Shrink Disc
- Output Flanges - B14 & B5, Torque Arm
- Mounting - B3, B5, V1
- Input rating up to 22kW
- Nominal torque rating up to 4000Nm
- IEC Adaptor that suit any IEC Motor



Inline Helical Gear with IEC Adaptor

## Gearbox - Hollow Shaft & Flange

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Helical Worm Gearbox.....7 Sizes

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- Input rating up to 22kW
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- IEC Adaptor that suit any IEC Motor



Inline Helical Gear with Input Shaft

## Gearbox - Solid Shaft and Flange

Brand .....FEM  
Parallel Shaft Gearbox .....12 Sizes

#### Description

FEM parallel shaft mount gearbox consisted of double stage and triple stage reduction to suit varies kind of [application.It](#) has varies types of configuration to accommodate different type of mounting requirement.

- Twelve Sizes : 37,47,57,67,77,87,97,107,127, 157,167,177
- Output Shafts - Solid, Hollow with Key/Shrink Disc
- Output Flanges - B14 & B5, Torque Arm
- Mounting - B3, B5, V1
- Input rating up to 250kW
- Nominal torque rating up to 50000Nm
- IEC Adaptor that suit any IEC Motor



Gearbox with Solid Shaft and Flange

## Gearbox - Output & Input Solid Shaft

Brand .....FEM  
Parallel Shaft Gearbox .....12 Sizes

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FEM parallel shaft mount gearbox consisted of double stage and triple stage reduction to suit varies kind of [application.It](#) has varies types of configuration to accommodate different type of mounting requirement.

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- Mounting - B3, B5, V1
- Input rating up to 250kW
- Nominal torque rating up to 50000Nm
- IEC Adaptor that suit any IEC Motor



Gearbox with Input Shaft

## Gearbox - Output Shaft & IEC Adaptor

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Parallel Shaft Gearbox .....12 Sizes

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Gearbox with IEC Adaptor



## Gearbox - Hollow Shaft & C Flange

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Parallel Shaft Gearbox ..... 12 Sizes

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- IEC Adaptor that suit any IEC Motor

## Gearbox - Foot Mount

Brand .....FEM  
Single Stage ..... 13 Sizes  
Gearbox

### Description

FEM Inline Helical Gear Reducer

FEM inline gearbox consisted of single stage, double stage and up to triple stage reduction to suit varies kind of application. It also can combined with other series of FEM gearbox to make a tandem gearbox that can achieve greater required ratio.

- Thirteen Sizes : 37,47,57,67,77,87,97,107,137,147,167,177, 187
- Output Shafts - Metric
- Output Flanges - B14 & B5
- Mounting - B3, B5, B35, V1
- Input rating up to 250kW
- Nominal torque rating up to 50000Nm
- IEC Adaptor that suit any IEC Motor
- All gearboxes are filled with VG220 mineral oil prior to shipping



## Gearbox - Tandem Configuration

Brand .....FEM  
Tandem Gearbox ..... 14 Sizes

### Description

FEM Inline Helical Gear Reducer

FEM inline gearbox consisted of single stage, double stage and up to triple stage reduction to suit varies kind of application. It also can combined with other series of FEM gearbox to make a tandem gearbox that can achieve greater required ratio.

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- Output Shafts - Metric
- Output Flanges - B14 & B5



- Mounting - B3, B5, B35, V1
- Input rating up to 250kW
- Nominal torque rating up to 50000Nm
- IEC Adaptor that suit any IEC Motor
- All gearboxes are filled with VG220 mineral oil prior to shipping

## Gearbox - IEC Adaptor

Brand.....FEM  
 Inline Helical Gearbox.....13 Sizes

### Description

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- Input rating up to 250kW
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- IEC Adaptor that suit any IEC Motor
- All gearboxes are filled with VG220 mineral oil prior to shipping



Inline Helical Gear with IEC Adaptor



Inline Helical Gear with Input Shaft

## Gearbox - Output & Input Shaft

Brand.....FEM  
 Inline Helical Gearbox.....13 Sizes

### Description

FEM Inline Helical Gear Reducer

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- Output Flanges - B14 & B5
- Mounting - B3, B5, B35, V1
- Input rating up to 250kW
- Nominal torque rating up to 50000Nm
- IEC Adaptor that suit any IEC Motor
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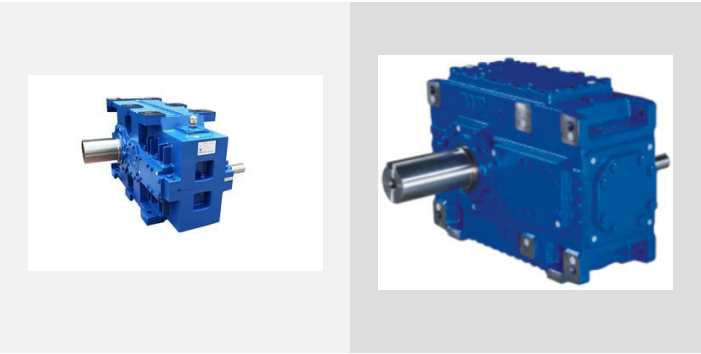
## FEM Gear Unit for Palm Oil Mill

Brand.....FEM

### Description

The renown FEM gear unit is design for higher output torque and long lasting. It has the similar dimension that are interchangeable with major brand in the palm oil mill market.

It is suitable for the equipment such as screw press, digester and kernal expeller.



## Slip-Ring Motors

Brand .....FEM

### Description

- SLIP-RING MOTORS
- SLIP-RING FOR CONTINUOUS DUTY

### INTRODUCTION

The three phase slip ring asynchronous motor is designed to achieve higher starting torque with lower starting current. This is particularly achievable in area where there is limited power supply or when electrical generator is in used instead of main power. It is commonly used in conjunction of starting for various equipments such as stone crusher in the quarrying industries, ID fan for boiler, compressor, pre-breaker machine for the rubber industries, bucket elevator and others rotating machines that require high starting torque with limiting starting current due to circumstances and environmental constrains.

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