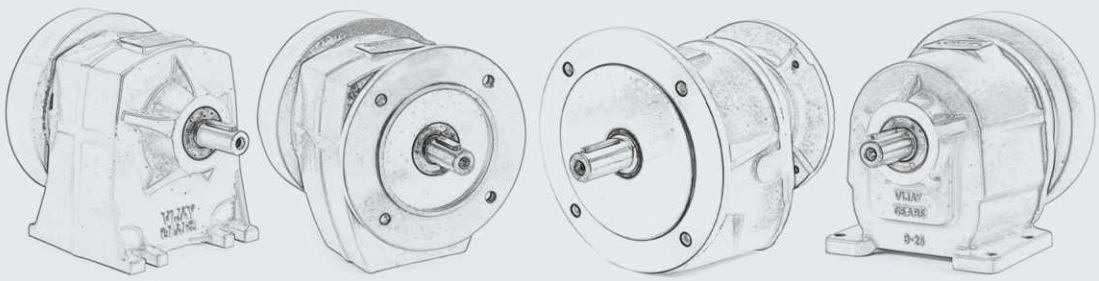
unique mechanical solution

VIJAY GEARS®

UNIQUE MECHANICAL SOLUTIONS



www.vijaygears.com



Mr. Digambara S Muley
Founder-President

Mr. Digambara S Muley, the founder- president of Vijay Gears, has been a trailblazer in the gear manufacturing industry. His visionary leadership and dedication to quality have propelled the company to the forefront of gearbox manufacturing. Under his guidance, Vijay Gears has become synonymous with precision, innovation, and excellence, serving a global clientele with superior products.



Mr. Vijay Muley
Chief Operating Officer

Mr. Vijay Muley, the Chief Operating Officer of Vijay Gears, is steering the company towards new heights in the gearbox manufacturing industry. Since joining the company in 2020, he has been instrumental in upgrading its robotics technology. With his strategic vision and commitment to excellence, he ensures that Vijay Gears consistently delivers top-quality products. His leadership is pivotal in driving innovation and operational efficiency, solidifying the company's reputation as a leader in the field.

UNIQUE MECHANICAL SOLUTIONS FOR A DYNAMIC WORLD



Unique Mechanical Solutions for a Dynamic World

Vijay Gears, originally established in 1994 in Chhatrapati Sambhaji Nagar (Aurangabad), as **"Virbhardra Industries,"** has evolved into a leading manufacturer and supplier of innovative mechanical solutions. In 2015, we began operating as **Vijay Gears** and started manufacturing our own designed Inline Helical Gearboxes and Planetary Gearboxes.

Certified under ISO 9001:2015, we uphold the highest standards of quality in every aspect of our operations. Our state-of-the-art manufacturing facilities are equipped with a robotic plant featuring the latest German technology, complemented by advanced inspection facilities to ensure the production of reliable and high-performance gearboxes.

Our commitment to excellence extends across India through a robust Pan-India dealer network, designed to guarantee efficient and prompt service delivery nationwide. Internationally, our presence is reinforced with an office in Germany, enhancing our ability to address the complex challenges of our customers worldwide.

At Vijay Gears, we are dedicated to pushing the boundaries of innovation and quality. We continuously engage in research and development to anticipate industry trends and deliver forward-thinking solutions. Our commitment to excellence and customer satisfaction drives us to consistently exceed expectations, making us a trusted partner in the global industrial landscape.

Vision

We aim to achieve sustained, profitable growth by offering unique mechanical solutions.

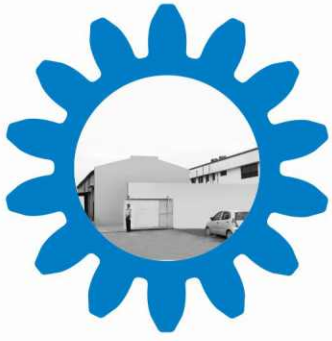
Mission

Our mission is to achieve profitable growth by prioritizing superior customer service, fostering innovation, maintaining high-quality standards, involving employees, continuously improving our processes, and demonstrating unwavering commitment to employee well-being and environmental care.

Milestones in the Company's Development

The company began in 1994 with tool room activities and expanded by adding a new unit in 2003. In 2007, it started manufacturing automobile gears, and by 2015, it was producing its own D-Series gearboxes. Recognized with a district award in 2017, the company continued to innovate, acquiring advanced machinery and achieving its first export in 2021. It expanded into robotics and opened a sales office in Germany in 2022, and embraced Industry 4.0 with the launch of the B-Series in 2023. In 2024, it introduced EMAG (Gear Grinding Machine), underscoring its commitment to ongoing innovation.

1 2 3 4



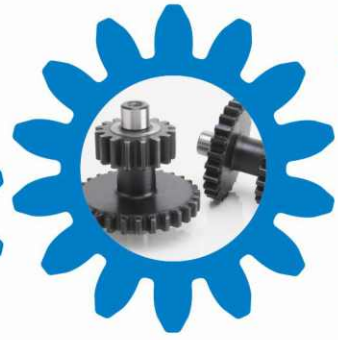
1994

- Establishment with Tool Room Activity



2003

- A new unit has been added.



2007

- Automobile Gears Manufacturing



2015

- Own Product Gearbox
- Manufacturing (D-Series)



2017

- District Award



2021

- Klingelnberg Hofler
- Klingelnberg P-26
- Mini-Planetary Gearbox
- First Export



2022

- Robotics Operation,
- Germany Sales Office
- Induction Motors



2023

- Industry 4.0
- B-Series



2024

- EMAG G-250

Inline Helical
Foot Mounting
N-Series Gearbox

Inline Helical
Flange Mounting
N-Series Gearbox

Mini
Planetary
Gearbox

Planetary
Gearbox
VP 250



3 Phase
Induction Motor

Inline Helical
Flange Mounting
E-Series Gearbox

Inline Helical
Foot Mounting
E-Series Gearbox



REVOLUTIONIZED INFRASTRUCTURE

with a perfect blend of innovation and precision.



Embracing Industry 4.0, we've integrated smart manufacturing solutions that optimize e□ciency and minimize downtime.


YASKAWA


P 26


CONTURA G2

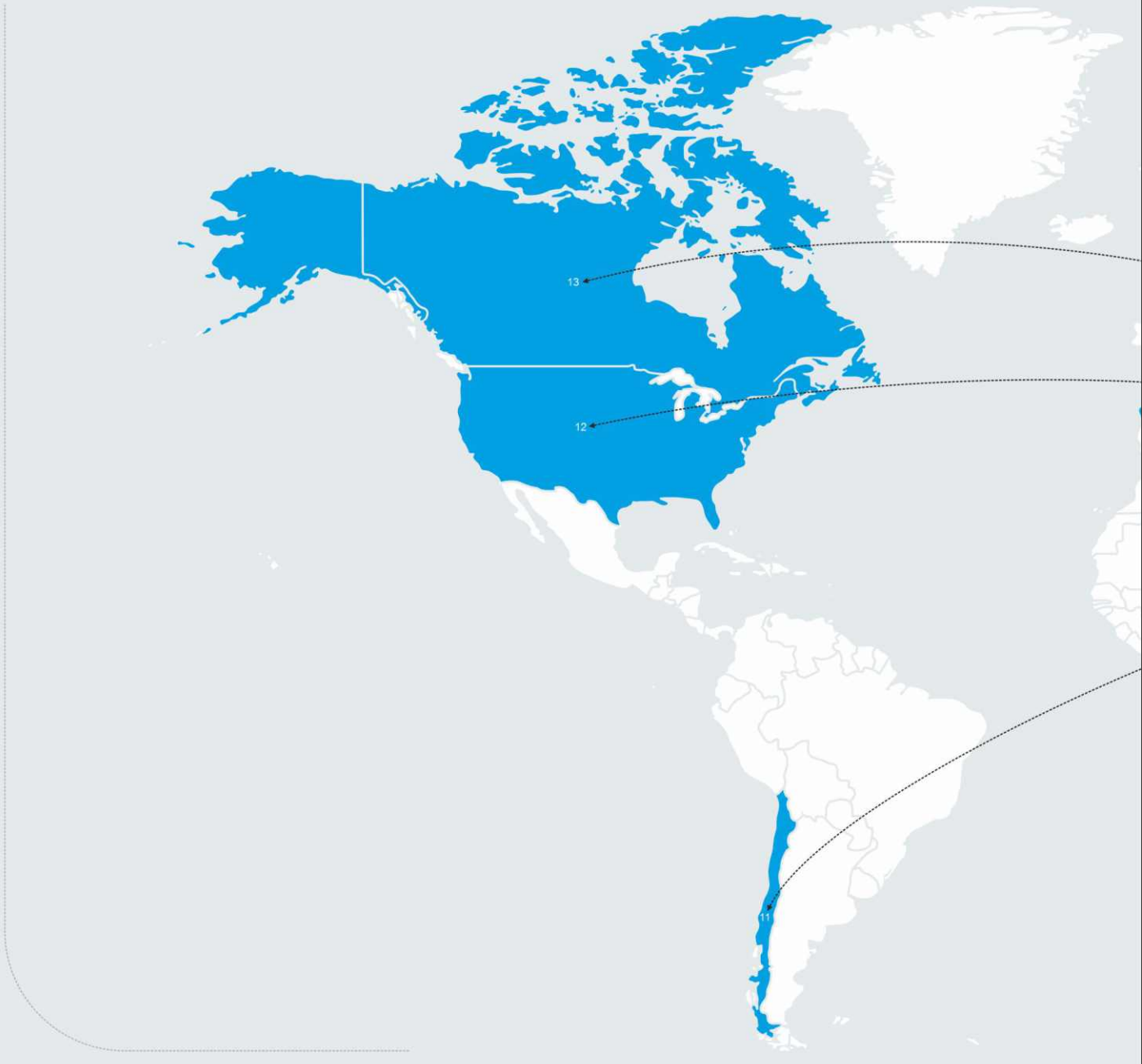



HÖFLER





We have spread our wings
Globally



1 India

2 Germany

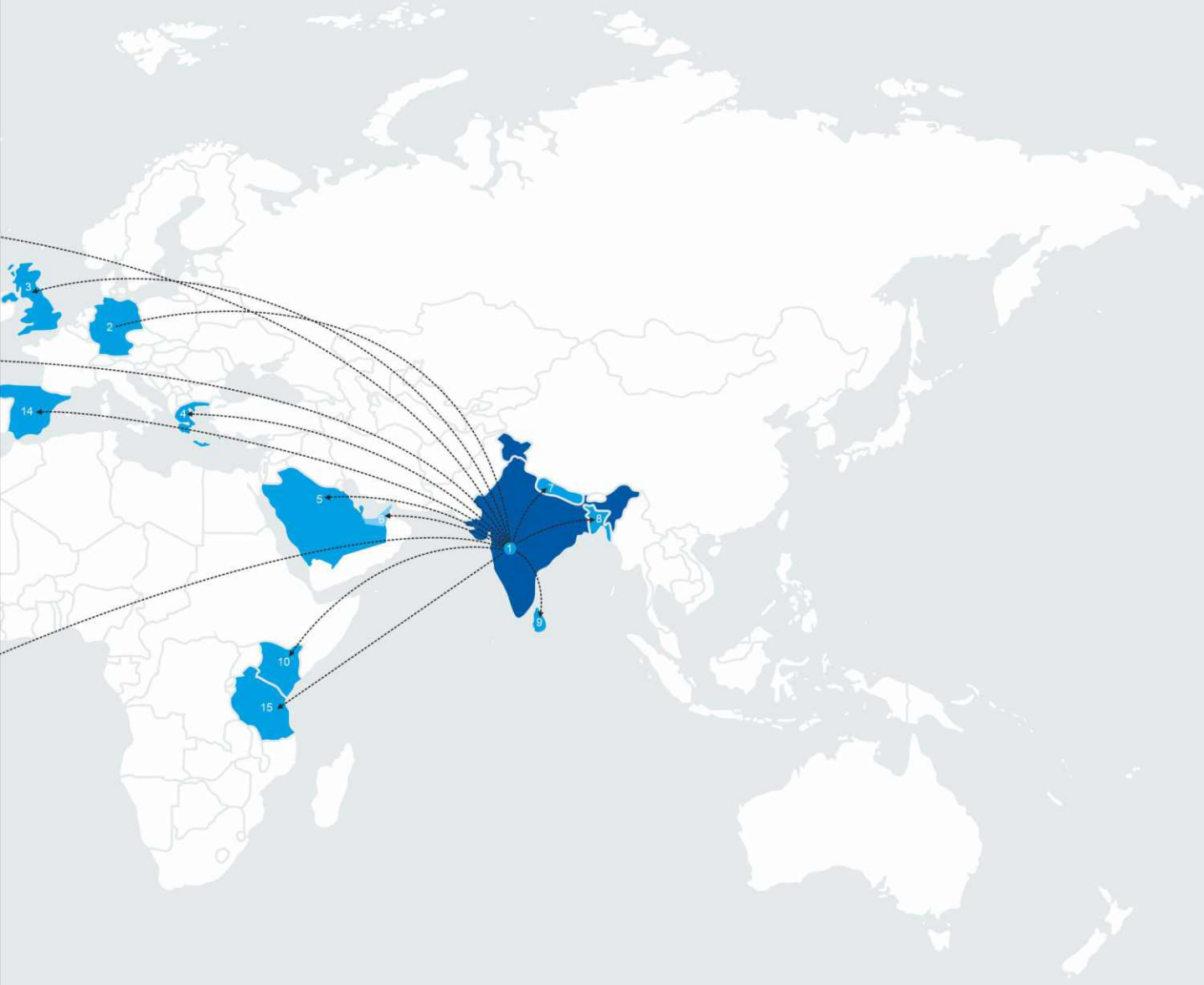
3 UK

4 Greece

5 Saudi Arabia

6 UAE

7 Nepal



8	9	10	11	12	13	14	15
Bangladesh	Sri Lanka	Kenya	Chile	USA	Canada	Spain	Tanzania



TECHNICAL FEATURES

- Each gearbox is designed by optimizing the performance parameters and strict quality control measures implemented during manufacturing and assembly of gearbox
- All gears are made from Case-hardened steel 20MnCr5-SAE8620 or equivalent material. Case hardening (58-62 HRC), Quenching and Stress-relieving are done to get high quality profile ground gears as per DIN 3961 Class 6 accuracy for low noise and high efficiency.
- Housing is made of high toughness cast iron FG 260 grade. Housing is rigid and mono block in design. Sturdy and robust housing gives the gearbox high tolerance to absorb high shock load.
- Inspection surface hardness standard as per UNE7-257-72, Alignment of shaft to output flange as per DIN 42955, Shaft seal tightness test @ 1Kg/cm^2, Noise level within the limit as per VDI 2159.
- Synthetic oil VG-320 is used for lubrication.
- Largely proportioned ball bearing support on both side of the shaft ensures precise alignment of gear and reduces vibrations and wear of the gears.
- High quality sealing for to avoid oil leakage.
- Very high dynamic efficiency of 96.4% for two stage.
- Silent and vibration free unit provide ability to operate in high input speed and intermittent operation.

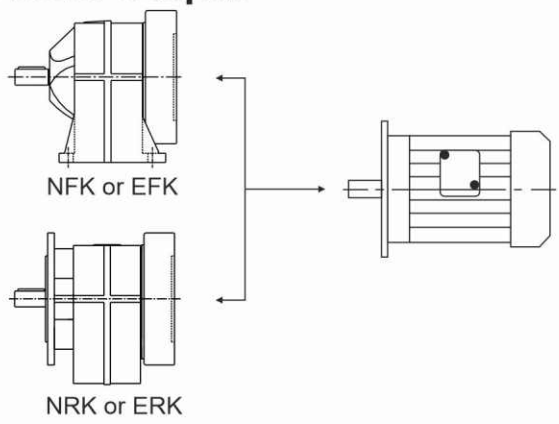


- All in-line helical gearboxes are powder coated.
- All units are suitable to fit with IEC standard motor.
- The gear box is designed to absorb high external loads i.e. Axial and Radial loads.
- All mounting details are dimensionally interchangeable with other major gearbox manufacturers.
- Completely enclosed construction allows installation in open air and hostile environment such as moisture, dusty, salty and Laden atmosphere.
- Reducer are fitted with synthetic rubber oil seals and best quality ball bearings.
- Direction of rotation of O/P shaft may be clockwise (CW) or counter clockwise (CCW) as required.

HELICAL GEAR BOX

Nomenclature

1. Hollow Input Solid Output



E F K 25 / 19.0 / 200 - 19
N F K 128 / 18.4 / 200 - 19

Type of Geared Units
N-Series (In-line Helical)
E-Series (In-line Helical)

Type of Mounting
F-Foot Mounting
R-Flange Mounting

K-With Motor
Mounting Flange

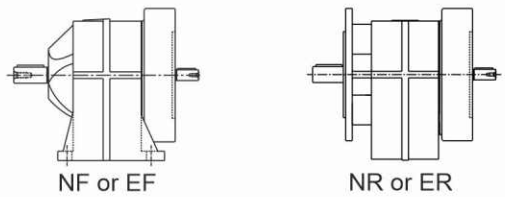
Model of Geared Units
N-Series 102, 128, 142, 162, 185, 160.
E-Series 20, 25, 30, 35, 45, 55, 60, 80, 90.

Gearbox Ratio

Input Flange OD
Ø160, Ø200, Ø250, Ø300, Ø350, Ø400, Ø450

Input Shaft Bore Diameter
Ø14, Ø19, Ø24, Ø28, Ø38, Ø42, Ø48, Ø55, Ø60

2. Solid Input Solid Output



E F 25 / 19.0 / 19
N F 128 / 18.4 / 19

Type of Geared Units
N-Series (In-line Helical)
E-Series (In-line Helical)

Type of Mounting
F-Foot Mounting
R-Flange Mounting

Model of Geared Units
N-Series 102, 128, 142, 162, 185, 160.
E-Series 20, 25, 30, 35, 45, 55, 60, 80, 90.

Gearbox Ratio

Input Shaft Diameter
Ø14, Ø19, Ø24, Ø28, Ø38, Ø42, Ø48, Ø55, Ø60

Note : 1. All Dimensions are in mm, unless specified otherwise.

HELICAL GEAR BOX

Guideline for selection

Power rating (Refer page 14-17)
Tables give the details of power rating, output speed /ratio, of all sizes of geared motors / gear units in our production range.

Service factor
For deciding the proper size of gear unit a suitable service factor is to be considered over the motor power. For finding out the service factor, mechanical service factor f_1 and frequency starts factor f_2, as given in table 1 & 2 respectively are taken into consideration. For deciding mechanical service factor, the type of load of driven machine as given in table 4 is considered.

Symbols used

Pm	Motor power / input power / transmitted power	[kW]
n1	Input speed / motor speed	[r/min]
n2	Output speed	[r/min]
iR	Reduction ratio	
fb	Service factor	
f1	Mechanical service factor, refer table 1	
f2	Frequency starts facto r, refer table 2	
FRa	Allowable overhang load applied on middle of the output shaft extension	[N]
F	Equivalent /calculated overhang load	[N]
Wt	Weight of geared motor /gear unit	[kg.]
K	Load factor for the type of overhang member, refer table 3	
D	Pitch diameter of overhang load member	[mm]

TABLE 1:- MECHANICAL SERVICE FACTOR - f1

Duration of operation (hours per day)	Load classification of driven machine		
	Uniformed load U	Moderate shock load M	Heavy shock load H
Upto 3	0.80	1.00	1.50
Over 3 upto 10	1.00	1.25	1.75
Over 10	1.25	1.50	2.00

TABLE 2 : FREQUENCY STARTS FACTOR - f2

Starts per hour	Mechanical service factor – f1					
	0.8	1	1.25	1.5	1.75	2
1	1.00	1.00	1.00	1.00	1.00	1.00
2 to 20	1.20	1.10	1.08	1.07	1.07	1.06
21 to 40	1.30	1.20	1.17	1.18	1.15	1.08
41 to 80	1.50	1.40	1.25	1.23	1.18	1.10
81 to 160	1.60	1.50	1.35	1.30	1.20	1.15
161 to 320	2.00	1.80	1.70	1.80	1.50	1.40

Overhung load

When a sprocket / gear etc., is used at the output shaft for transmitting the power / motion to the driven motion to the driven machine, the suitability of gear unit to take the resulting radial load (acting as overhang load) is to be decided. This can be checked using the following formula,

TABLE 3 : LOAD FACTOR

Overhang member	K
Chain sprocket	1.00
Spur / helical gear	1.25
Vee belt pulley	1.50
Flat belt pulley	2.00

$$F = \frac{Pm \times 9550 \times K}{n2 \times D} \times 2000 \quad [N]$$

The calculated equivalent overhang load, using the above formula is to be compared with the allowable overhung load values given in power rating able. Condition is, F is less than or equal to FRa.

NOTE : In the above, the calculated equivalent overhung load is taken as acting at the middle of output shaft extension. If the overhang load is acting at a distance other than middle of extension, refer the details to us. If the angle at which the overhang load is acting is known, the same may also be informed.

Axial Thrust
The bearings of the output shaft are capable of taking certain amount of externally applied axial thrust loads also. If the output shaft of gearbox / geared motor is to take axial thrust or combined radial overhang load and axial thrust load, refer the full details to us .

Data required for selection
For selecting the geared motor/ gear units, following information are required,

- Power to be transmitted or electric motor, Pm in KW
- Required output speed , n2 in r/min.
- Required ratio, iR and required input speed / motor speed , n1 in r/min
- Type of driven machine or nature of load on driven machine (i.e., uniform, moderate shock, heavy shock load, etc.)
- Duration of operation per day, hours
- Connection of output shaft (direct coupling, belt drive, chain / sprocket drive, gears etc.)
- Starting frequency (no. of starts per hour)
- Type of geared motor / gear unit required
- Mounting position

HELICAL GEAR BOX

Applications and Guidelines for Selection

TABLE 4-LOAD CLASSIFICATION

Driven Machine	Type of Load
Agitators	
Pure liquids	U
Liquids and solids	M
Liquids-variable density	M
Blowers	
Centrifugal	U
Lobe	M
Vane	U
Brewing and distilling	
Bottling machinery	U
Brew kettles-continuous duty	U
Cookers - continuous duty	U
Mash tubs - continuous duty	U
Scale hopper frequent starts	M
Can filling machine	U
Cane knives	M
Car **Dumpers**	H
Car pullers	M
Clarifiers	U
Classifiers	M
Clay working machinery	
Brick press	H
Briqultte machine	H
Clay working machinery	M
Pug mill	M
Compressors	
Centrifugal	U
Lobe	M
Reciprocating	
Multi : cylinder	M
Single- cylinder	H
Conveyors – uniformly Loaded or fed	
Apron	U
Assembly	U
Belt	U
Bucket	U
Chain	U
Flight	U
Oven	U
Screw	U
Conveyors – heavy duty Not uniform fed	
Apron	M
Assembly	M
Belt	M
Bucket	M
Chain	M
Flight	M
Live roll	-
Oven	M
Reciprocating	H
Screw	M
Shaker	H
Cranes	
Main hoists	U
Bridge travel	-
Trolley travel	-
Crusher	
Ore	H
Stone	H
Sugar	M
Dredges	
Cable reels	M
Conveyors	M
Cutter head drives	H
Jig drives	H
Maneuvering winches	M
Pumps	M
Screen drive	H
Stackers	M
Utility winches	M

Driven Machine	Type of Load
Dry dock cranes	
Main hoist	-
Auxiliary hoist	-
Boom luffing	-
Rolating, swing slew	-
Tracking, drive wheels	
Elevators	
Bucket – uniform load	U
Bucket – heavy load	M
Bucket - continuous	U
Centrifugal discharges	U
Escalators	U
Freight	M
Gravity discharges	U
Man lifts -	
Passenger lifts	-
Fans	
Centrifugal	U
Cooling towers	
Induced draft	-
Forced draft	-
Induced draft	M
Large, mini etc.	M
Large, industrial	M
Light smaller diameter	U
Feeders	
Apron	M
Belt M	
Disc	U
Reciprocating	H
Screw	M
Food industry	
Beef slicer	M
Cereal cooker	U
Dough mixer	M
Meat grinders	M
Rice mill machinery	
Generators – hot welding	U
Hammer Mills	H
Hoists	
Heavy duty	H
Medium duty	M
Skip hoist	M
Laundry washers reversing	M
Laundry tumblers	M
Line shafts	
Driving processing equipment	U
light	U
Other ling shafts	U
Lumber industry	
Barkers - hydraulic-mechanical	M
Burner conveyor	M
Burner conveyor	H
Chain transfer	H
Craneway transfer	H
De-braking drum	H
Edger feed	M
Gang feed	M
Gang feed	M
Live rolls	H
Log deck	H
Log haul-incline	H
Log haul-well type	H
Log tuming device	H
Main log conveyor	H
Off bearing rolls	M
Planer feed chains	M
Planer floor chains	M
Planer tilting hoist	M
Re-saw merry-go-round conveyor	M
Roll cases	H
Slab conveyor	H
Small waste conveyor-belt	U
Small waste conveyor-chain	M

Driven Machine	Type of Load
Starting table	M
Tipple-hoist conveyor	M
Tipple hoist drive	M
Transfer conveyors	M
Transfer rolls	M
Tray drive	M
Trimmer feed	M
waste conveyor	M
Machine tools	
Bending roll	M
Punch press-gear driven	H
Notching press-belt driven	-
Plate planers	H
Tapping machine	H
Other machine tools main drives	M
Auxillary drives	U
Metal mills	
Draw bench carriage and main drive	M
Punch-dryer and scrubber	
rolls-reversing	-
sliters	M
Table conveyors non-reversing	
group drives	H
ndividual drives	H
reversing	-
Wire drawing and flattening machine M	
Wire winding machine	M
Mills-rotary type	
ball	M
Cement kilns	M
Dryers and coolers	M
Kilns – other than cement	M
pebble	-
Rod	
plain	M
Wedge bar	M
Tumbling barrels	H
Mixers	
Concrete mixers-continuous	M
Constant density	U
Variable density	M
Oil industry	
Chillers	M
Oil well pumping	-
Paraffin filter press	M
Rotary kilns	M
Paper Mills	
Agitators (mixers)	M
Barker- auxiliaries- hydraulic	M
Barker –mechanical	H
Barker –drum	H
Beater and pulper	M
Bleacher	U
Calenders	M
Calenders - super	H
Converting machine	-
Expect cutters – platers	M
Conveyors	U
Couch	H
Cutters – platers	H
Cylinders	M
Dryers	M
Felt stretcher	M
Felt whipper	H
Jordans	M
Log haul	H
Presses	M
Pulp machine reel	M
Stock chest	M
suction roll	M
washers and thickners	M
winders	M

Driven Machine	Type of Load
Printing presses	
Pullers	
barge haul	H
Pumps	
centrifugal	U
proportioning	M
reciprocating	
single acting, 3 or more cylinders	M
double acting, 2 or more cylinders	M
single acting, 1 or two cylinders	-
double acting, single cylinders	-
rotary	
gear type	U
lobe, vane	U
Rubber and plastic industries	
Crackers	H
Laboratory equipment	M
Mixing mills	H
Refiners	M
Rubbers	M
Rubber calendars	M
Rubber mill-2 on line	U
Rubber mill 3 on line	M
Sheeter -	
Tyre building machines	-
Tyre and tube press openers	M
Tubers and strainers	M
Warming mills	M
Sand muller	
Sewage disposal equipment	
Bar screens	U
Chemical feeders	U
Collectors	U
Dewatering screws	M
Scum breakers	M
Slow or rapid mixers	M
Thickeners	M
Vacuum filter	M
Screens	
Air washing	U
Rotary- stone or gravel	M
Travelling	U
Water intake	M
Slab pushers	**M**
Steering gear	**-**
Stockers	**U**
Sugar industry	
Cane knives	M
Crushers	M
Mills	M
Textile industry	
Batchers	M
calendars	M
Cards	M
Dry cans	M
Dryers	M
Dyeing machinery	M
Knitting machines	-
Looms	M
Mangles	M
Nappers	M
Pads	M
Range drive	-
Slashers	M
Soapers	M
Spinners	M
Tenter frames	M
Washers	M
Winders	M
Windlass	
Medical Equipments	
Waste Shredder	
Ventilator	

U - Uniform Load M - Moderate Shock Load H - Heavy Shock Load

* - Refer to

HELICAL GEAR BOX

Guideline for selection

Example of Selection

Requirement of helical geared unit, for

Electric motor power, P_m	-	1.1 kW
Output Speed, n_2	-	100 r/min (or iR = 14.4, n1 = 1440 r/min for requirement of gear unit)
No of starts per hour	-	10
Duration of service per day	-	24 hours
Driven machine	-	Individual drives of non reversing table conveyors in Rolling Mill
Connection of output shaft	-	through chain sprocket drive sprocket dia=110 mm
Type	-	Base (Foot) mounted
Mounting	-	Horizontal shaft, foot mounting, B3

Step 1

From Table 4, the type of load is found to be H for the above driven equipment Mechanical Service factor f_1, as per Table 1 is 2.00 for type of load H and 24 hours operation per day. For 10 starts per hour, factor f_2 is 1.06 (from Table 2)
Thus, service factor, required = 2.00 x 1.06 = 2.12

Step 2

Referring to power rating table against 1.1kW motor power and looking for the listed output speed, n 2, near to the Required value of 100 r/min,
We get Geared unit size NFK 142/13.7/200-24 with n2 = 103 r/min, with fb = 1.9 which is less than the Required fb of 2.12.
Next, we can select size NFK 162/13.4/200-24 having n2 = 105 r/min with the fb available is 2.6 which is safe enough.

Step 3

Check for suitability of overhung load:

$$F = \frac{1.1 \times 9550 \times 1.0 \times 2000}{100 \times 110} = 1910N$$

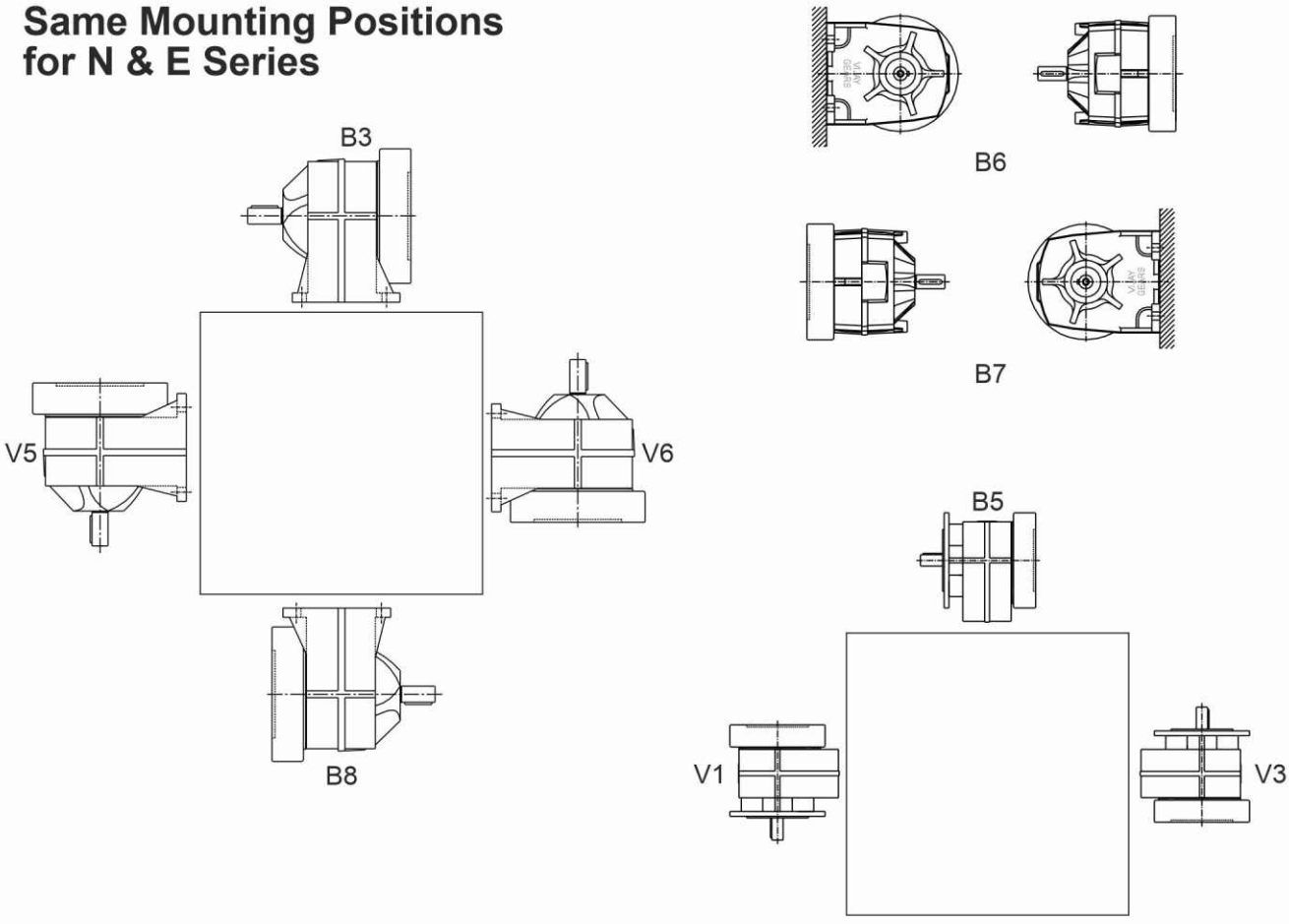
Allowable F Ra from Power rating table for selected size, NFK 162/13.4/200-24 is 7900 N.
Thus, condition F < F Ra is satisfied.
Note: The calculated overhung load F = 1910 N is considered acting at the middle of output shaft Extension length, / = 100 mm

The Size of Geared unit to be ordered is, NFK 162/13.4/200-24, 105 r/min, iR = 13.4 fitted with 1.1 kW, Mounting Position of Geared Motor – B3, positional details.

We shall be pleased to advice on drives involving special operating condition / details, namely,

- Short time or intermittent operation
- Application involving Starts / Stops / Reversals
- Applications involving reverse current braking (plugging)
- Abnormal ambient temperature
- Variable motor speed
- Geared motor using other special motors like flame proof motor, brake motor using VFD etc.,

Same Mounting Positions for N & E Series



Lubrication and Assembly Position

Series "N" & Series "E"

These reducers are supplied with lubricant for assembly position **B3**. In the event of assembly in any other position, the difference should be adjusted as shown in table No 5. The oil supplied is long-life and is that indicated on the **NAME PLATE**. Should any oil other than that indicated on the **NAME PLATE** be used, the lubricant contained in the gear box should be drained and the gear box filled to level with the chosen type of oil (Quantity indicated in table No 5). **Do not mix lubricants of different brand names.**

MAINTENANCE

After 500 hours of operation empty the lubricant and refill the gearbox up to the level. Once the running in period is over, check the condition of lubricant after 12000 hours of working (approx. 30 months working 14 hours a day) **(in case of mineral oil)** or 25000 hours of working (approx. 60 months working14 hours a day) **(in case of synthetic oil)** and replace when necessary.

Table No.5 Series "N & E" Approximate oil quantity in litres, depending on the type and mounting position of the geared units

Working position										
B3	B5	B6	B7	B8	V1	V3	V5	V6		
Type	Quantity (Litres)	Type	Quantity (Litres)		Type	Quantity (Litres)				
N - 102	0.5	E - 20	0.5		E - 45	2.4				
N - 128	1.0	E - 25	1.0		E - 55	3.0				
N - 142	1.5	E - 30	1.5		E - 60	9.0				
N - 162	2.0	E - 35	1.5		E - 80	10.5				
N - 185	3.0				E - 90	11.5				
N - 160	3.0									
with oil filled in company		with oil filled in company			without oil filled in company		The same quantity in all positions			

Lubricants CLP as per DIN 51517 , Part 3

TABLE NO. 6 RECOMMENDED OIL VISCOSITY

			Viscosity (mm^2/s(cSt)at40°C)	
			Input speed: n_1	
Oil type	Operating Temperature	Ambient temperature°C	500 to 1000 1/min	1000 to 1500 1/min
		-10 - +5°C	VG 100	VG 100
FL BAKU TO 4/50	-5 - +70°C	0 - +40°C	VG 320	VG 220
FL GEARSYNT 320	-25-+150°C	+35-+60°C	VG 460	VG 320

*For in put speeds n1 < 500 1/min please contact. Permissible deviation VG= ± 10%
The maximum working temperature of a lubricant is approximately 95°C,
above which its characteristics may vary substantially.

TABLE NO. 7 RECOMMENDED SYNTHETIC OILS

Viscosity mm^2/s (cSt) at 40°C	FL IBERIA	BESLUX SINCART	Mobil SHC	SHC XMP	Tivela Oil	Engranajes HPS	Klübersynth GH6	ARAL Degol	TRIBOL
VG 320	FL GEARSYNT 320	320W	632	632	WB	320	320		
VG 220	FL GEARSYNT 220	220W	630	630	WB	220	220	GS 220	800/220
VG 150	FL GEARSYNT 150	150W	629	629	WA	150	150		
VG 100	FL GEARSYNT 100	100W	-	--	WA	-	100		

TABLE NO. 8 RECOMMENDED MINERAL OILS

Viscosity mm^2/s (cSt) at 40°C	TRAXOL	FL IBERIA	Extra Gear	BP Energol	SPARTAN	Mobilgear	Shell Omala Oil	Engranajes HP	Klüberoil GEM 1	Super Tauro	ARAL Degol	Castrol Alpha	FALCON	TRIBOL
VG 320	G - 32	-	320	GR-XP 320	EP 320	632	320	320	320	320	BG 320	MW 320	CLP 320	1100 / 320
VG 220	-	FL BAKU TO 4/50	220	GR-XP 220	EP 220	630	220	220	220	220	BG 220	MW 220	CLP 220	1100 / 220
VG 150	-	-	150	GR-XP 150	EP 150	629	150	150	150	150	BG 150	MW 150	CLP 150	1100 / 150
VG 100	-	-	100	GR-XP 100	EP 100	627	100	100	100	100	BG 100	MW 100	CLP 100	1100 / 100

LUBRICANTS FOR THE FOODSTUFFS AND PHARMACEUTICALS INDUSTRY

The lubricants supplied with the reducers are as per USDA-H2 standard, which means that they may be recommended for the foodstuffs and pharmaceuticals industry, provided that there is no possible contact with food. We can supply, against order, reducers with lubricants which are as per USDA-H1 standard and can be used in foodstuffs and pharmaceuticals industry in instances where, for technical reasons, contact between foodstuffs and the lubricant may occasionally be unavoidable.

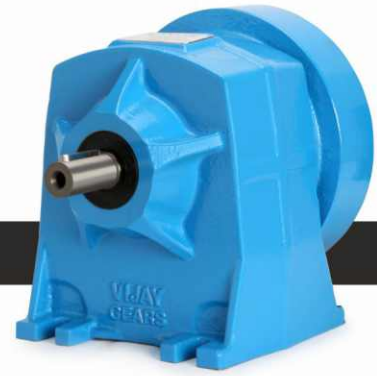
unique mechanical solution

VIJAY GEARS

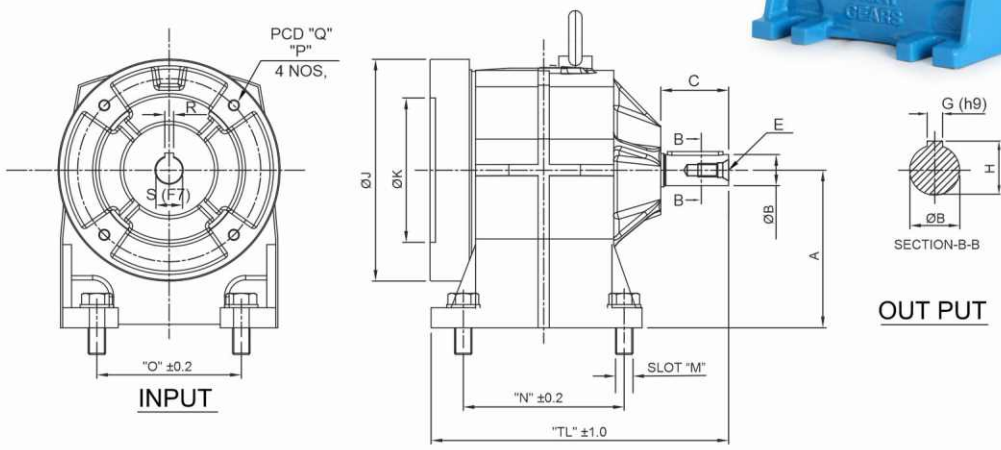
N SERIES GEARBOX


VIJAY
GEARS

HELICAL GEAR BOX



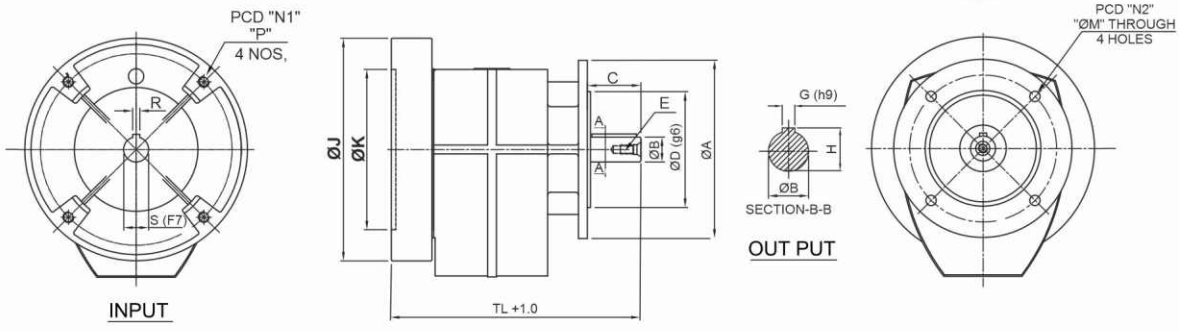
N Series : Model NFK



MODEL NO	A	B (h6)	C	E	G (h9)	H	ØJ	Ø K(F8)	SLOT M	N	O	P	Q	R	S (F7)	TL	NET WT.
NFK-102	102	19	38	M6X1P	6	21.5	160	110	11	105	100	M8X1.25	130	5	14	186	8 kg
NFK-128	128	24	48	M8X1.25P	8	27	160/200	110/130	14	126	118	M8X1.25 M10X1.5	130/165	5/6	14/19/24	242	17 kg
NFK-142	142	28	58	M10X1.5P	8	31	200/250	130/180	14	145	130	M10X1.5 M12X1.75	165/215	6/8	19/24/28	268	21 kg
NFK-162	162	38	78	M12X1.75P	10	41	200/250	130/180	14	200	160	M10X1.5 M12X1.75P	165/215	6/8	24/28	360	34 kg
NFK-185	185	48	108	M16X2P	14	51.5	250/300	180/230	18	207	185	M12X1.75	215/265	8/10	28/38	426	51 kg
NFK-160	160	48	112	M16X2P	14	51.5	250/300	180/230	18	270	195	M12X1.75	215/265	8/10	28/38	431	62 kg



N Series : Model NRK



MODEL NO	ØA	ØB (h6)	C	ØD	E	G (h9)	H	ØJ	Ø K(F8)	ØM	N1	P	N2	R	S (F7)	TL	NET WT.
NRK-102	160	19	40	110	M6X1P	6	21.5	160	110	9	130	M8X1.25	130	5	14	186	9 kg
NRK-128	200	24	50	130	M8X1.25P	8	27	160/200	110/130	1.5	130/165	M8X1.25 M10X1.5	165	5/6	14/19/24	242	18 kg
NRK-142	200	28	60	130	M10X1.5P	8	31	200/250	130/180	11.5	165/215	M10X1.5 M12X1.75	165	6/8	19/24/28	268	22 kg
NRK-162	250	38	82	180	M10X1.75P	10	41	200/250/300	130/230	14	165/215	M10X1.5 M12X1.75P	165/215	6/8	24/28/38	360	36 kg

HELICAL GEAR BOX

Power Rating Table

N-102

INPUT POWER 0.18 KW / 0.25 HP / 63

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
39	43	36.1	2380	1.9	NFK102/36.1/140-11 NRK102/36.1/140-11
45	37	31.2	2290	2.2	NFK102/31.2/140-11 NRK102/31.2/140-11
52	32	26.7	2230	2.6	NFK102/26.7/140-11 NRK102/26.7/140-11
58	29	24.1	2180	2.8	NFK102/24.1/140-11 NRK102/24.1/140-11
70	24	20.0	2130	3.3	NFK102/20.0/140-11 NRK102/20.0/140-11
78	21	17.8	2080	3.7	NFK102/17.8/140-11 NRK102/17.8/140-11
89	19	15.7	2050	3.9	NFK102/15.7/140-11 NRK102/15.7/140-11
103	16	13.5	2010	4.5	NFK102/13.5/140-11 NRK102/13.5/140-11
126	13	11.0	1980	5.4	NFK102/11.0/140-11 NRK102/11.0/140-11

INPUT POWER 0.37 KW / 0.5 HP / 71

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
39	88	36.1	1970	1.0	NFK102/36.1/160-14 NRK102/36.1/160-14
45	76	31.2	1930	1.1	NFK102/31.2/160-14 NRK102/31.2/160-14
52	65	26.7	1910	1.3	NFK102/26.7/160-14 NRK102/26.7/160-14
58	59	24.1	1840	1.4	NFK102/24.1/160-14 NRK102/24.1/160-14
70	49	20.0	1810	1.7	NFK102/20.0/160-14 NRK102/20.0/160-14
79	43	17.8	1780	1.9	NFK102/17.8/160-14 NRK102/17.8/160-14
89	38	15.7	1740	2.1	NFK102/15.7/160-14 NRK102/15.7/160-14
104	33	13.5	1710	2.3	NFK102/13.5/160-14 NRK102/13.5/160-14
127	27	11.0	1630	2.5	NFK102/11.0/160-14 NRK102/11.0/160-14
147	23	9.5	1570	2.8	NFK102/9.50/160-14 NRK102/9.50/160-14
177	19	7.9	1530	3.3	NFK102/7.90/160-14 NRK102/7.90/160-14
203	17	6.9	1490	3.5	NFK102/6.90/160-14 NRK102/6.90/160-14
250	14	5.6	1430	4.1	NFK102/5.60/160-14 NRK102/5.60/160-14
298	11	4.7	1380	4.8	NFK102/4.70/160-14 NRK102/4.70/160-14
341	10	4.1	1310	5.0	NFK102/4.10/160-14 NRK102/4.10/160-14

INPUT POWER 0.55 KW / 0.75 HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
71	72	20.0	1580	1.1	NFK102/20.0/200-19 NRK102/20.0/200-19
79	64	17.8	1580	1.2	NFK102/17.8/200-19 NRK102/17.8/200-19
90	56	15.7	1560	1.3	NFK102/15.7/200-19 NRK102/15.7/200-19
104	49	13.5	1530	1.4	NFK102/13.5/200-19 NRK102/13.5/200-19
128	40	11.0	1490	1.6	NFK102/11.0/200-19 NRK102/11.0/200-19
148	34	9.5	1460	1.8	NFK102/9.50/200-19 NRK102/9.50/200-19
178	28	7.9	1440	2.1	NFK102/7.90/200-19 NRK102/7.90/200-19
204	25	6.9	1350	2.4	NFK102/6.90/200-19 NRK102/6.90/200-19
252	20	5.6	1280	2.9	NFK102/5.60/200-19 NRK102/5.60/200-19
300	17	4.7	1240	3.1	NFK102/4.70/200-19 NRK102/4.70/200-19
344	15	4.1	1190	3.3	NFK102/4.10/200-19 NRK102/4.10/200-19

INPUT POWER 0.75 KW / 1.0 HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
90	77	15.7	1410	1.0	NFK102/15.7/200-19 NRK102/15.7/200-19
104	66	13.5	1370	1.1	NFK102/13.5/200-19 NRK102/13.5/200-19
128	54	11.0	1350	1.2	NFK102/11.0/200-19 NRK102/11.0/200-19
148	47	9.5	1320	1.3	NFK102/9.50/200-19 NRK102/9.50/200-19
178	39	7.9	1290	1.6	NFK102/7.90/200-19 NRK102/7.90/200-19
204	34	6.9	1240	1.8	NFK102/6.90/200-19 NRK102/6.90/200-19
252	27	5.6	1210	2.1	NFK102/5.60/200-19 NRK102/5.60/200-19
300	23	4.7	1180	2.3	NFK102/4.70/200-19 NRK102/4.70/200-19
344	20	4.1	1120	2.5	NFK102/4.10/200-19 NRK102/4.10/200-19

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

N-128

INPUT POWER 0.37 KW / 0.5 HP/71

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
20	163	68.0	5380	1.1	NFK128/68.0/160-14 NRK128/68.0/160-14
27	105	51.8	5100	1.4	NFK128/51.8/160-14 NRK128/51.8/160-14
35	90	40.8	4950	1.5	NFK128/40.8/160-14 NRK128/40.8/160-14
41	70	34.1	3340	1.6	NFK128/34.1/160-14 NRK128/34.1/160-14
54	65	26.1	4500	1.7	NFK128/26.1/160-14 NRK128/26.1/160-14
65	54	21.7	4400	1.7	NFK128/21.7/160-14 NRK128/21.7/160-14
77	46	18.4	4100	1.8	NFK128/18.4/160-14 NRK128/18.4/160-14
89	39	15.8	3980	1.9	NFK128/15.8/160-14 NRK128/15.8/160-14
102	35	13.8	3900	2.0	NFK128/13.8/160-14 NRK128/13.8/160-14
128	27	11.0	3830	3.8	NFK128/11.0/160-14 NRK128/11.0/160-14

INPUT POWER 0.75 KW / 1.0 HP/80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
35	180	40.8	4200	1.0	NFK128/40.8/200-19 NRK128/40.8/200-19
41	169	34.1	4250	1.2	NFK128/34.1/200-19 NRK128/34.1/200-19
54	129	26.1	4100	1.2	NFK128/26.1/200-19 NRK128/26.1/200-19
65	107	21.7	3900	1.3	NFK128/21.7/200-19 NRK128/21.7/200-19
77	91	18.4	3800	1.5	NFK128/18.4/200-19 NRK128/18.4/200-19
89	78	15.8	3720	1.6	NFK128/15.8/200-19 NRK128/15.8/200-19
102	68	13.8	3700	1.7	NFK128/13.8/200-19 NRK128/13.8/200-19
128	57	11.0	3660	2.2	NFK128/11.0/200-19 NRK128/11.0/200-19
152	46	9.3	3550	2.5	NFK128/9.30/200-19 NRK128/9.30/200-19
176	40	8.0	3500	2.7	NFK128/8.00/200-19 NRK128/8.00/200-19
201	34	7.0	3400	3.0	NFK128/7.00/200-19 NRK128/7.00/200-19
243	28	5.8	3250	3.7	NFK128/5.80/200-19 NRK128/5.80/200-19
288	25	4.9	3350	4.0	NFK128/4.90/200-19 NRK128/4.90/200-19
353	20	4.0	3000	4.6	NFK128/4.00/200-19 NRK128/4.00/200-19
403	17	3.5	3100	5.0	NFK128/3.50/200-19 NRK128/3.50/200-19

INPUT POWER 1.10 KW / 1.5 HP/90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
41	249	34.1	3350	1.1	NFK128/34.1/200-24 NRK128/34.1/200-24
54	190	26.1	3400	1.1	NFK128/26.1/200-24 NRK128/26.1/200-24
65	157	21.7	3480	1.2	NFK128/21.7/200-24 NRK128/21.7/200-24
77	133	18.4	3500	1.3	NFK128/18.4/200-24 NRK128/18.4/200-24
89	114	15.8	3450	1.4	NFK128/15.8/200-24 NRK128/15.8/200-24
102	100	13.8	3400	1.5	NFK128/13.8/200-24 NRK128/13.8/200-24
128	83	11.0	3500	1.6	NFK128/11.0/200-24 NRK128/11.0/200-24
152	70	9.3	3400	1.7	NFK128/9.30/200-24 NRK128/9.30/200-24
176	59	8.0	3400	1.9	NFK128/8.00/200-24 NRK128/8.00/200-24
201	50	7.0	3320	2.0	NFK128/7.00/200-24 NRK128/7.00/200-24
243	41	5.8	3200	2.5	NFK128/5.80/200-24 NRK128/5.80/200-24
288	36	4.9	3136	2.9	NFK128/4.90/200-24 NRK128/4.90/200-24
353	32	4.0	3030	3.1	NFK128/4.00/200-24 NRK128/4.00/200-24
403	26	3.5	3000	3.5	NFK128/3.50/200-24 NRK128/3.50/200-24

INPUT POWER 1.50 KW / 2.0 HP/90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
41	340	34.1	2450	1.0	NFK128/34.1/200-24 NRK128/34.1/200-24
54	259	26.1	2500	1.0	NFK128/26.1/200-24 NRK128/26.1/200-24
65	214	21.7	2600	1.0	NFK128/21.7/200-24 NRK128/21.7/200-24
77	180	18.4	2150	1.0	NFK128/18.4/200-24 NRK128/18.4/200-24
89	156	15.8	2450	1.1	NFK128/15.8/200-24 NRK128/15.8/200-24
102	136	13.8	2700	1.1	NFK128/13.8/200-24 NRK128/13.8/200-24
128	113	11.0	3300	1.2	NFK128/11.0/200-24 NRK128/11.0/200-24
152	92	9.3	3250	1.3	NFK128/9.30/200-24 NRK128/9.30/200-24
176	80	8.0	3200	1.4	NFK128/8.00/200-24 NRK128/8.00/200-24
201	68	7.0	3200	1.5	NFK128/7.00/200-24 NRK128/7.00/200-24
243	55	5.8	3120	1.8	NFK128/5.80/200-24 NRK128/5.80/200-24
288	46	4.9	3000	2.2	NFK128/4.90/200-24 NRK128/4.90/200-24
353	40	4.0	2900	2.2	NFK128/4.00/200-24 NRK128/4.00/200-24
403	34	3.5	2700	2.5	NFK128/3.50/200-24 NRK128/3.50/200-24

HELICAL GEAR BOX

Power Rating Table

N-142

INPUT POWER 0.75 KW / 1.0 HP/80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
21	295	66.8	6700	1.0	NFK142/66.8/200-19 NRK142/66.8/200-19
28	240	50.6	6400	1.1	NFK142/50.6/200-19 NRK142/50.6/200-19
35	220	40.8	6000	1.3	NFK142/40.8/200-19 NRK142/40.8/200-19
42	178	33.8	5800	1.6	NFK142/33.8/200-19 NRK142/33.8/200-19
54	130	26.3	5450	1.6	NFK142/26.3/200-19 NRK142/26.3/200-19
65	108	21.8	5350	1.7	NFK142/21.8/200-19 NRK142/21.8/200-19
77	90	18.4	5000	1.8	NFK142/18.4/200-19 NRK142/18.4/200-19
94	80	15.0	4900	1.9	NFK142/15.0/200-19 NFK142/15.0/200-19
103	67	13.7	4820	2.0	NFK142/13.7/200-19 NRK142/13.7/200-19
126	55	11.2	4750	2.4	NFK142/11.2/200-19 NRK142/11.2/200-19
148	52	9.5	4700	3.0	NFK142/9.50/200-19 NRK142/9.50/200-19
174	40	8.1	4600	3.2	NFK142/8.10/200-19 NRK142/8.10/200-19
201	35	7.0	4600	3.5	NFK142/7.00/200-19 NRK142/7.00/200-19
243	29	5.8	4400	5.2	NFK142/5.80/200-19 NRK142/5.80/200-19
294	24	4.8	4300	6.0	NFK142/4.80/200-19 NRK142/4.80/200-19
336	22	4.2	4100	7.3	NFK142/4.20/200-19 NRK142/4.20/200-19
389	19	3.6	3900	7.8	NFK142/3.60/200-19 NRK142/3.60/200-19

INPUT POWER 1.10 KW / 1.5 HP/90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
35	328	40.8	5600	1.0	NFK142/40.8/200-24 NRK142/40.8/200-24
42	260	33.8	5350	1.3	NFK142/33.8/200-24 NRK142/33.8/200-24
54	190	26.3	5180	1.5	NFK142/26.3/200-24 NRK142/26.3/200-24
65	158	21.8	5050	1.6	NFK142/21.8/200-24 NRK142/21.8/200-24
77	134	18.4	4850	1.7	NFK142/18.4/200-24 NRK142/18.4/200-24
94	109	15.0	4900	1.8	NFK142/15.0/200-24 NFK142/15.0/200-24
103	99	13.7	4820	1.9	NFK142/13.7/200-24 NRK142/13.7/200-24
126	86	11.2	4750	2.3	NFK142/11.2/200-24 NRK142/11.2/200-24
148	72	9.5	4600	2.7	NFK142/9.50/200-24 NRK142/9.50/200-24
174	59	8.1	4500	2.8	NFK142/8.10/200-24 NRK142/8.10/200-24
201	52	7.0	4450	3.0	NFK142/7.00/200-24 NRK142/7.00/200-24
243	42	5.8	4300	3.9	NFK142/5.80/200-24 NRK142/5.80/200-24
294	38	4.8	4200	4.5	NFK142/4.80/200-24 NRK142/4.80/200-24
336	32	4.2	4150	4.8	NFK142/4.20/200-24 NRK142/4.20/200-24
389	26	3.6	4100	5.5	NFK142/3.60/200-24 NRK142/3.60/200-24

INPUT POWER 1.50 KW / 2.0 HP/90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
42	360	33.8	4200	1.2	NFK142/33.8/200-24 NRK142/33.8/200-24
54	259	26.3	3900	1.2	NFK142/26.3/200-24 NRK142/26.3/200-24
65	215	21.8	4300	1.2	NFK142/21.8/200-24 NRK142/21.8/200-24
77	182	18.4	4400	1.3	NFK142/18.4/200-24 NRK142/18.4/200-24
94	148	15.0	4500	1.5	NFK142/15.0/200-24 NRK142/15.0/200-24
103	135	13.7	4600	1.6	NFK142/13.7/200-24 NRK142/13.7/200-24
126	116	11.2	4550	1.7	NFK142/11.2/200-24 NRK142/11.2/200-24
148	98	9.5	4450	2.0	NFK142/9.50/200-24 NRK142/9.50/200-24
174	80	8.1	4400	2.1	NFK142/8.10/200-24 NRK142/8.10/200-24
201	71	7.0	4340	2.2	NFK142/7.00/200-24 NRK142/7.00/200-24
243	55	5.8	4200	2.9	NFK142/5.80/200-24 NRK142/5.80/200-24
294	48	4.8	4100	3.2	NFK142/4.80/200-24 NRK142/4.80/200-24
336	40	4.2	4000	3.6	NFK142/4.20/200-24 NRK142/4.20/200-24
389	35	3.6	3950	4.0	NFK142/3.60/200-24 NRK142/3.60/200-24

INPUT POWER 2.20 KW / 3.0 HP/100

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
126	170	11.2	4210	1.1	NFK142/11.2/250-28 NRK142/11.2/250-28
148	144	9.5	4150	1.4	NFK142/9.50/250-28 NRK142/9.50/250-28
174	117	8.1	4100	1.5	NFK142/8.10/250-28 NRK142/8.10/250-28
201	104	7.0	4060	1.6	NFK142/7.00/250-28 NRK142/7.00/250-28
243	81	5.8	4000	2.0	NFK142/5.80/250-28 NRK142/5.80/250-28
294	70	4.8	3900	2.3	NFK142/4.80/250-28 NRK142/4.80/250-28
392	52	3.6	3750	2.7	NFK142/3.60/250-28 NRK142/3.60/250-28

HELICAL GEAR BOX

Power Rating Table

N-162

INPUT POWER 1.10 KW / 1.5 HP/90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
20	502	71.3	10800	1.1	NFK162/71.3/200-24 NRK162/71.3/200-24
25	430	55.8	10500	1.3	NFK162/55.8/200-24 NRK162/55.8/200-24
31	331	45.5	10000	1.6	NFK162/45.5/200-24 NRK162/45.5/200-24
36	285	39.6	9700	1.8	NFK162/39.6/200-24 NRK162/39.6/200-24
42	244	33.8	9400	2.1	NFK162/33.8/200-24 NRK162/33.8/200-24
50	202	28.0	9000	2.3	NFK162/28.0/200-24 NRK162/28.0/200-24
60	171	23.6	8800	2.4	NFK162/23.6/200-24 NRK162/23.6/200-24
75	137	18.9	8600	2.4	NFK162/18.9/200-24 NRK162/18.9/200-24
86	118	16.4	8200	2.5	NFK162/16.4/200-24 NRK162/16.4/200-24
105	100	13.4	7900	2.6	NFK162/13.4/200-24 NRK162/13.4/200-24
125	80	11.3	7750	2.7	NFK162/11.3/200-24 NRK162/11.3/200-24

INPUT POWER 1.50 KW / 2.0 HP/90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
25	520	55.8	10000	1.0	NFK162/55.8/200-24 NRK162/55.8/200-24
31	448	45.5	9500	1.2	NFK162/45.5/200-24 NRK162/45.5/200-24
36	388	39.6	9200	1.3	NFK162/39.6/200-24 NRK162/39.6/200-24
42	332	33.8	9000	1.4	NFK162/33.8/200-24 NRK162/33.8/200-24
50	275	28.0	8600	1.5	NFK162/28.0/200-24 NRK162/28.0/200-24
60	232	23.6	8500	1.6	NFK162/23.6/200-24 NRK162/23.6/200-24
75	187	18.9	8400	1.7	NFK162/18.9/200-24 NRK162/18.9/200-24
86	160	16.4	6300	1.7	NFK162/16.4/200-24 NRK162/16.4/200-24
105	133	13.4	4600	1.8	NFK162/13.4/200-24 NRK162/13.4/200-24
125	112	11.3	4200	1.9	NFK162/11.3/200-24 NRK162/11.3/200-24
157	95	9.0	4400	2.1	NFK162/9.00/200-24 NRK162/9.00/200-24

INPUT POWER 2.20 KW / 3.0 HP/100

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
31	657	45.5	8000	1.0	NFK162/45.5/250-28 NRK162/45.5/250-28
36	569	39.6	8070	1.0	NFK162/39.6/250-28 NRK162/39.6/250-28
43	487	33.8	8270	1.1	NFK162/33.8/250-28 NRK162/33.8/250-28
50	403	28.0	8030	1.3	NFK162/28.0/250-28 NRK162/28.0/250-28
60	341	23.6	7900	1.4	NFK162/23.6/250-28 NRK162/23.6/250-28
86	236	16.4	7740	1.6	NFK162/16.4/250-28 NRK162/16.4/250-28
105	195	13.4	7680	1.7	NFK162/13.4/250-28 NRK162/13.4/250-28
125	160	11.3	7500	1.8	NFK162/11.3/250-28 NRK162/11.3/250-28
157	130	9.0	7300	1.9	NFK162/9.00/250-28 NRK162/9.00/250-28
193	105	7.3	7100	2.0	NFK162/7.30/250-28 NRK162/7.30/250-28
282	75	5.0	6900	2.8	NFK162/5.00/250-28 NRK162/5.00/250-28
371	55	3.8	6500	3.5	NFK162/3.80/250-28 NRK162/3.80/250-28

INPUT POWER 3.70 KW / 5.0 HP/112

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
75	460	18.9	5900	1.0	NFK162/18.9/250-28 NRK162/18.9/250-28
86	395	16.4	6300	1.1	NFK162/16.4/250-28 NRK162/16.4/250-28
105	330	13.4	6900	1.2	NFK162/13.4/250-28 NRK162/13.4/250-28
125	272	11.3	6700	1.4	NFK162/11.3/250-28 NRK162/11.3/250-28
157	219	9.0	6700	1.6	NFK162/9.00/250-28 NRK162/9.00/250-28
193	177	7.3	6600	1.9	NFK162/7.30/250-28 NRK162/7.30/250-28
282	122	5.0	6500	2.1	NFK162/5.00/250-28 NRK162/5.00/250-28
371	92	3.8	6400	3.1	NFK162/3.80/250-28 NRK162/3.80/250-28

INPUT POWER 5.50 KW / 7.5 HP

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
193	179	7.3	6000	1.00	NFK162/7.30/300-38 NRK162/7.30/300-38
282	122	5.0	6400	1.50	NFK162/5.00/300-38 NRK162/5.00/300-38
371	93	3.8	6900	1.90	NFK162/3.80/300-38 NRK162/3.80/300-38

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

N-185

INPUT POWER 3.70 KW / 5.0 HP/112

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
32	1083	44.6	3400	1.0	NFK185/44.6/250-28
44	850	32.3	4050	1.1	NFK185/32.3/250-28
51	710	27.5	6800	1.2	NFK185/27.5/250-28
59	612	23.7	9200	1.4	NFK185/23.7/250-28
73	505	19.4	10100	1.6	NFK185/19.4/250-28
98	375	14.4	10700	2.1	NFK185/14.4/250-28
134	270	10.5	11200	2.6	NFK185/10.5/250-28

INPUT POWER 5.50 KW / 7.5 HP/132

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
51	993	27.5	6000	1.0	NFK185/27.5/300-38
59	850	23.7	6500	1.1	NFK185/23.7/300-38
73	675	19.4	6800	1.3	NFK185/19.4/300-38
98	513	14.4	8000	1.6	NFK185/14.4/300-38
134	370	10.5	9800	1.8	NFK185/10.5/300-38
155	305	9.1	10700	2.0	NFK185/9.10/300-38
207	230	6.8	10900	2.5	NFK185/6.80/300-38
288	170	4.9	11000	2.9	NFK185/4.90/300-38
371	137	3.8	10100	3.8	NFK185/3.80/300-38

INPUT POWER 7.5 KW / 10.0 HP/132

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
73	951	19.4	6300	1.0	NFK185/19.4/300-38
98	706	14.4	7800	1.2	NFK185/14.4/300-38
134	515	10.5	8500	1.5	NFK185/10.5/300-38
155	446	9.10	9300	1.7	NFK185/9.10/300-38
207	333	6.80	9800	2.0	NFK185/6.80/300-38
288	240	4.90	9900	2.3	NFK185/4.90/300-38
371	186	3.80	10000	3.0	NFK185/3.80/300-38

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

N-160

INPUT POWER 1.1 KW / 1.5HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 7	1467	204.8	14800	0.6	NFKA160/204.8/200-24 NRKA160/204.8/200-24
★ 8	1204	168.0	15100	0.7	NFKA160/168.0/200-24 NRKA160/168.0/200-24
★ 10	1005	140.3	14800	1.0	NFKA160/140.3/200-24 NRKA160/140.3/200-24
★ 14	716	100.0	15100	1.2	NFKA160/100.0/200-24 NRKA160/100.0/200-24
★ 17	611	85.3	16800	1.4	NFKA160/85.30/200-24 NRKA160/85.30/200-24
★ 20	517	72.2	16500	1.6	NFKA160/72.20/200-24 NRKA160/72.20/200-24
★ 25	410	57.2	16300	1.9	NFKA160/57.20/200-24 NRKA160/57.20/200-24
★ 30	342	47.8	16100	2.2	NFKA160/47.80/200-24 NRKA160/47.80/200-24
★ 35	290	40.5	15900	2.5	NFKA160/40.50/200-24 NRKA160/40.50/200-24
★ 41	247	34.5	15700	2.9	NFKA160/34.50/200-24 NRKA160/34.50/200-24
55	186	25.9	15600	3.7	NFK160/25.9/200-24 NRK160/25.9/200-24
67	152	21.2	15400	4.4	NFK160/21.2/200-24 NRK160/21.2/200-24
80	127	17.7	15100	5.0	NFK160/17.7/200-24 NRK160/17.7/200-24
94	107	15.0	14800	5.8	NFK160/15.0/200-24 NRK160/15.0/200-24
111	92	12.8	14500	6.5	NFK160/12.8/200-24 NRK160/12.8/200-24
127	80	11.1	14300	6.8	NFK160/11.1/200-24 NRK160/11.1/200-24

INPUT POWER 1.5 KW / 2.0HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 14	977	100.0	14900	1.0	NFKA160/100.0/200-24 NRKA160/100.0/200-24
★ 17	833	85.3	16500	1.1	NFKA160/85.30/200-24 NRKA160/85.30/200-24
★ 20	705	72.2	16200	1.2	NFKA160/72.20/200-24 NRKA160/72.20/200-24
★ 25	559	57.2	15900	1.4	NFKA160/57.20/200-24 NRKA160/57.20/200-24
★ 30	467	47.8	15600	1.7	NFKA160/47.80/200-24 NRKA160/47.80/200-24
★ 35	396	40.5	15200	1.9	NFKA160/40.50/200-24 NRKA160/40.50/200-24
★ 41	337	34.5	14900	2.5	NFKA160/34.50/200-24 NRKA160/34.50/200-24
55	253	25.9	14800	3.1	NFK160/25.9/200-24 NRK160/25.9/200-24
67	207	21.2	14600	3.6	NFK160/21.2/200-24 NRK160/21.2/200-24
80	173	17.7	14300	4.1	NFK160/17.7/200-24 NRK160/17.7/200-24
94	147	15.0	13900	4.7	NFK160/15.0/200-24 NRK160/15.0/200-24
111	125	12.8	13700	5.1	NFK160/12.8/200-24 NRK160/12.8/200-24
127	108	11.1	13400	5.5	NFK160/11.1/200-24 NRK160/11.1/200-24
166	83	8.5	12900	6.6	NFK160/8.50/200-24 NRK160/8.50/200-24

★ Marked Gearboxes are 3 stage.

HELICAL GEAR BOX

Power Rating Table

N-160

INPUT POWER 2.2 KW / 3.0HP / 100

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 25	805	57.2	11900	1.1	NFKA160/57.2/250-28 NRKA160/57.2/250-28
★ 30	673	47.8	12000	1.2	NFKA160/47.8/250-28 NRKA160/47.8/250-28
★ 36	570	40.5	12200	1.4	NFKA160/40.5/250-28 NRKA160/40.5/250-28
★ 42	486	34.5	12500	1.7	NFKA160/34.5/250-28 NRKA160/34.5/250-28
56	365	25.9	12700	2.2	NFK160/25.9/250-28 NRK160/25.9/250-28
68	298	21.2	12900	2.6	NFK160/21.2/250-28 NRK160/21.2/250-28
81	249	17.7	13100	2.9	NFK160/17.7/250-28 NRK160/17.7/250-28
96	211	15.0	13300	3.3	NFK160/15.0/250-28 NRK160/15.0/250-28
113	180	12.8	13200	3.7	NFK160/12.8/250-28 NRK160/12.8/250-28
130	156	11.1	12800	4.1	NFK160/11.1/250-28 NRK160/11.1/250-28
169	120	8.5	12500	4.9	NFK160/8.50/250-28 NRK160/8.50/250-28
200	101	7.2	12000	5.6	NFK160/7.20/250-28 NRK160/7.20/250-28
236	86	6.1	11800	6.1	NFK160/6.10/250-28 NRK160/6.10/250-28
272	75	5.3	11600	6.3	NFK160/5.30/250-28 NRK160/5.30/250-28
313	65	4.6	11300	6.9	NFK160/4.60/250-28 NRK160/4.60/250-28
400	51	3.6	11300	7.9	NFK160/3.60/250-28 NRK160/3.60/250-28

INPUT POWER 3.7 KW / 5.0HP / 112

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 35	966	40.5	5300	1.0	NFKA160/40.5/250-28 NRKA160/40.5/250-28
★ 41	823	34.5	5800	1.1	NFKA160/34.5/250-28 NRKA160/34.5/250-28
55	618	25.9	7300	1.3	NFK160/25.9/250-28 NRK160/25.9/250-28
67	506	21.2	10600	1.5	NFK160/21.2/250-28 NRK160/21.2/250-28
81	422	17.7	11200	1.7	NFK160/17.7/250-28 NRK160/17.7/250-28
95	358	15.0	11400	1.9	NFK160/15.0/250-28 NRK160/15.0/250-28
112	305	12.8	11600	2.2	NFK160/12.8/250-28 NRK160/12.8/250-28
129	265	11.1	11900	2.4	NFK160/11.1/250-28 NRK160/11.1/250-28
168	203	8.5	12300	2.9	NFK160/8.50/250-28 NRK160/8.50/250-28
199	172	7.2	11800	3.3	NFK160/7.20/250-28 NRK160/7.20/250-28
234	145	6.1	11500	3.6	NFK160/6.10/250-28 NRK160/6.10/250-28
270	126	5.3	11200	3.8	NFK160/5.30/250-28 NRK160/5.30/250-28
311	110	4.6	10900	4.1	NFK160/4.60/250-28 NRK160/4.60/250-28
397	86	3.6	10700	4.7	NFK160/3.60/250-28 NRK160/3.60/250-28

★ Marked Gearboxes are 3 stage.

INPUT POWER 5.5 KW / 7.5HP / 132

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
56	905	25.9	8300	1.0	NFK160/25.9/300-38 NRK160/25.9/300-38
68	741	21.2	8400	1.2	NFK160/21.2/300-38 NRK160/21.2/300-38
82	619	17.7	8500	1.4	NFK160/17.7/300-38 NRK160/17.7/300-38
97	524	15.0	8700	1.6	NFK160/15.0/300-38 NRK160/15.0/300-38
113	447	12.8	8900	1.8	NFK160/12.8/300-38 NRK160/12.8/300-38
131	388	11.1	9200	2.0	NFK160/11.1/300-38 NRK160/11.1/300-38
171	297	8.5	9900	2.5	NFK160/8.50/300-38 NRK160/8.50/300-38
201	252	7.2	10500	2.8	NFK160/7.20/300-38 NRK160/7.20/300-38
238	213	6.1	10400	3.1	NFK160/6.10/300-38 NRK160/6.10/300-38
274	185	5.3	10200	3.5	NFK160/5.30/300-38 NRK160/5.30/300-38
315	161	4.6	9900	3.8	NFK160/4.60/300-38 NRK160/4.60/300-38
403	126	3.6	9700	4.5	NFK160/3.60/300-38 NRK160/3.60/300-38

INPUT POWER 7.5 KW / 10.0HP / 132

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
82	841	17.7	6800	1.0	NFK160/17.7/300-38 NRK160/17.7/300-38
97	713	15.0	7400	1.2	NFK160/15.0/300-38 NRK160/15.0/300-38
114	608	12.8	7700	1.3	NFK160/12.8/300-38 NRK160/12.8/300-38
131	527	11.1	8300	1.5	NFK160/11.1/300-38 NRK160/11.1/300-38
171	404	8.5	9200	1.9	NFK160/8.50/300-38 NRK160/8.50/300-38
202	342	7.2	9900	2.1	NFK160/7.20/300-38 NRK160/7.20/300-38
239	290	6.1	9700	2.3	NFK160/6.10/300-38 NRK160/6.10/300-38
275	252	5.3	9300	2.5	NFK160/5.30/300-38 NRK160/5.30/300-38
316	219	4.6	8900	2.8	NFK160/4.60/300-38 NRK160/4.60/300-38
404	171	3.6	8700	3.3	NFK160/3.60/300-38 NRK160/3.60/300-38

unique mechanical solution

VIJAY GEARS

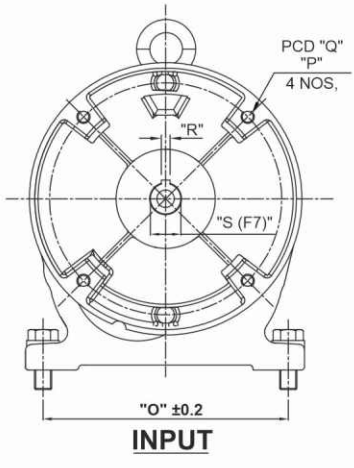
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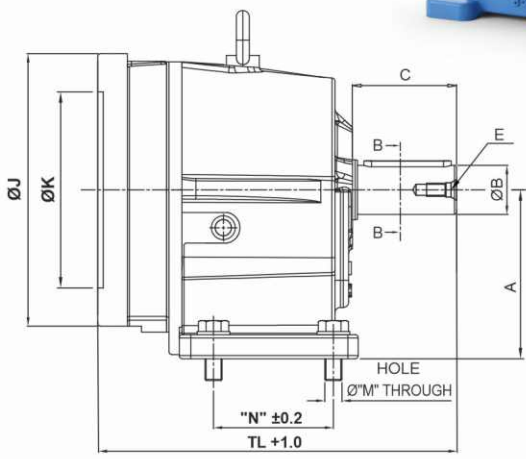

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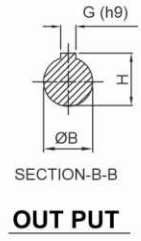
HELICAL GEAR BOX

E Series : Model EFK





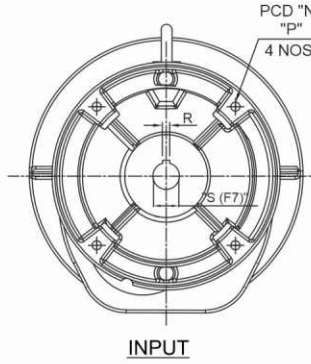


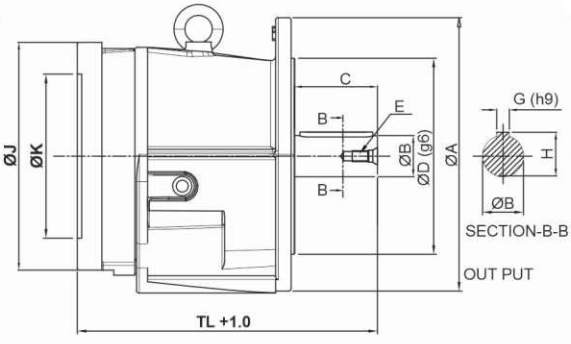


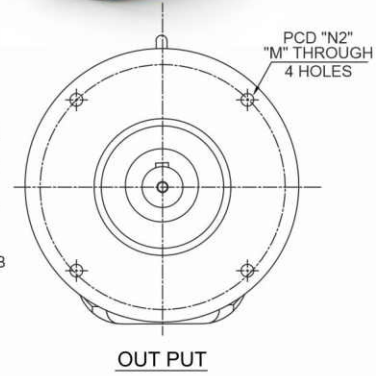
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EFK-20	100	20	40	M6X1P	6	21.5	160	110	11	60	130	M8	130	14	5	179	10.5 kg
EFK-25	110	25	50	M8X1.25P	8	28	(160) 200	110/130	11	70	160	M8/M10	130/165	19/24	5/6	243	17.7 kg
EFK-30	130	30	60	M10X1.5P	8	33	(160) 200	110/130	14	105	180	M8/M10	130/165	19/24	5/6	280	28.2 kg
EFK-35	130	35	80	M10X1.5P	10	38	(160) 200/250	110/130/180	14	105	180	M8/M10/M12	130/165/215	19,24/28	6/8/10	315	31.1 kg
EFK-45	155	45	90	M12X1.75P	14	48.8	(200)/250/300	180/230	18	110	225	M10/M12	215/265	24/28/38	8/10	329	43.4 kg
EFK-55	175	55	110	M16X2P	16	59.3	(250)/300/350	180/230/250	18	145	250	M12/M12/M16	215/265/300	28/38/42,48	8/10/12,14	385	59.1 kg
EFK-60	210	60	120	M16X2P	18	64.4	(250)/300/350	180/230/250	22	165	300	M12/M12/M16	215/265/300	28/38/42,48	8/10/12,14	440	99 kg
EFK-80	250	80	140	M20X2.5P	22	85.5	(300)/350/400	230/250/300	26	210	370	M12/M12/M16	265/300/350	38/42,48/55	10/12,14/16	560	162 kg
EFK-90	300	90	170	M20X2.5P	25	95.4	(350)/400/450	250/300/350	33	250	440	M16/M18	300/350/400	42,48/55/60	12,14/16/18	675.5	258 kg

E Series : Model ERK









MODEL NO	ØA	ØB (h6)	C	ØD	E	G (h9)	H	ØJ	Ø K(F8)	ØM	N1	P	N2	R	S (F7)	TL	NET WT.
ERK-20	160	20	40	110	M6X1P	6	22.5	160	110	9	130	M8X1.25	130	5	14	179	9.2 kg
ERK-25	200	25	50	130	M8X1.25P	8	28	200	130	11	165	M8X1.25	165	6	19/24	243	18.3 kg
ERK-30	250	30	60	180	M10X1.5P	8	33	200	130/180	11	165	M10X1.5	165	8	19/24	280	22.5 kg
ERK-35	250	35	80	180	M10X1.5P	10	38	200/250	180/230	13	165/215	M10X1.5 M12X1.75P	215	8	24/28	315	37 kg
ERK-45	300	45	90	230	M12X1.75P	14	48.8	250/300	180/230	13	215/265	M12X1.75	265	8/10	28/38	329	45.1 kg
ERK-55	300	55	110	230	M16X2P	16	59.3	250/300	180/230	13	215/265	M12X1.75	265	8/10	28/38	385	66.5 kg
ERK-60	350	60	120	300	M16X2P	18	64.4	250/300/350	180/230/250	18	215/265	M12X1.75	300	8/10	28/38	475	75 kg

HELICAL GEAR BOX

Power Rating Table

E-20

INPUT POWER 0.18 KW / 0.25 HP / 63

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
52	32	26.7	2230	2.6	EFK20/26.7/140-11 ERK20/26.7/140-11
58	29	24.1	2180	2.8	EFK20/24.1/140-11 ERK20/24.1/140-11
70	24	20.0	2130	3.3	EFK20/20.0/140-11 ERK20/20.0/140-11
78	21	17.8	2080	3.7	EFK20/17.8/140-11 ERK20/17.8/140-11
89	19	15.7	2050	3.9	EFK20/15.7/140-11 ERK20/15.7/140-11
103	16	13.5	2010	4.5	EFK20/13.5/140-11 ERK20/13.5/140-11
126	13	11.0	1980	5.4	EFK20/11.0/140-11 ERK20/11.0/140-11

INPUT POWER 0.37 KW / 0.5 HP / 71

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
52	65	26.7	1910	1.3	EFK20/26.7/160-14 ERK20/26.7/160-14
61	59	23.1	1840	1.4	EFK20/23.1/160-14 ERK20/23.1/160-14
70	49	20.0	1810	1.7	EFK20/20.0/160-14 ERK20/20.0/160-14
79	43	17.8	1780	1.9	EFK20/17.8/160-14 ERK20/17.8/160-14
89	38	15.7	1740	2.1	EFK20/15.7/160-14 ERK20/15.7/160-14
104	33	13.5	1710	2.3	EFK20/13.5/160-14 ERK20/13.5/160-14
127	27	11.0	1630	2.5	EFK20/11.0/160-14 ERK20/11.0/160-14
147	23	9.5	1570	2.8	EFK20/9.50/160-14 ERK20/9.50/160-14
177	19	7.9	1530	3.3	EFK20/7.90/160-14 ERK20/7.90/160-14
203	17	6.9	1490	3.5	EFK20/6.90/160-14 ERK20/6.90/160-14
250	14	5.6	1430	4.1	EFK20/5.60/160-14 ERK20/5.60/160-14
298	11	4.7	1380	4.8	EFK20/4.70/160-14 ERK20/4.70/160-14
341	10	4.1	1310	5.0	EFK20/4.10/160-14 ERK20/4.10/160-14

INPUT POWER 0.55 KW / 0.75 HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
71	72	20.0	1580	1.1	EFK20/20.0/200-19 ERK20/20.0/200-19
79	64	17.8	1580	1.2	EFK20/17.8/200-19 ERK20/17.8/200-19
90	56	15.7	1560	1.3	EFK20/15.7/200-19 ERK20/15.7/200-19
104	49	13.5	1530	1.4	EFK20/13.5/200-19 ERK20/13.5/200-19
128	40	11.0	1490	1.6	EFK20/11.0/200-19 ERK20/11.0/200-19
148	34	9.5	1460	1.8	EFK20/9.50/200-19 ERK20/9.50/200-19
178	28	7.9	1440	2.1	EFK20/7.90/200-19 ERK20/7.90/200-19
204	25	6.9	1350	2.4	EFK20/6.90/200-19 ERK20/6.90/200-19
252	20	5.6	1280	2.9	EFK20/5.60/200-19 ERK20/5.60/200-19
300	17	4.7	1240	3.1	EFK20/4.70/200-19 ERK20/4.70/200-19
344	15	4.1	1190	3.3	EFK20/4.10/200-19 ERK20/4.10/200-19

INPUT POWER 0.75 KW / 1.0 HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
90	77	15.7	1410	1.0	EFK20/15.7/200-19 ERK20/15.7/200-19
104	66	13.5	1370	1.1	EFK20/13.5/200-19 ERK20/13.5/200-19
128	54	11.0	1350	1.2	EFK20/11.0/200-19 ERK20/11.0/200-19
148	47	9.5	1320	1.3	EFK20/9.50/200-19 ERK20/9.50/200-19
178	39	7.9	1290	1.6	EFK20/7.90/200-19 ERK20/7.90/200-19
204	34	6.9	1240	1.8	EFK20/6.90/200-19 ERK20/6.90/200-19
252	27	5.6	1210	2.1	EFK20/5.60/200-19 ERK20/5.60/200-19
300	23	4.7	1180	2.3	EFK20/4.70/200-19 ERK20/4.70/200-19
344	20	4.1	1120	2.5	EFK20/4.10/200-19 ERK20/4.10/200-19

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-25

INPUT POWER 0.18 KW / 0.25 HP / 63

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 7	253	212.0	3050	0.8	EFKA25/212.0/140-11 ERKA25/212.0/140-11
★ 8	209	174.8	3100	0.9	EFKA25/174.8/140-11 ERKA25/174.8/140-11
★ 9	175	147.0	3200	1.1	EFKA25/147.0/140-11 ERKA25/147.0/140-11
★ 11	150	125.3	3200	1.2	EFKA25/125.3/140-11 ERKA25/125.3/140-11
★ 14	118	98.7	3200	1.5	EFKA25/98.70/140-11 ERKA25/98.70/140-11
★ 17	97	81.4	3200	1.9	EFKA25/81.40/140-11 ERKA25/81.40/140-11
★ 20	82	68.4	3200	2.2	EFKA25/68.40/140-11 ERKA25/68.40/140-11
★ 24	69	58.2	3170	2.5	EFKA25/58.20/140-11 ERKA25/58.20/140-11
★ 29	57	48.0	3140	3.0	EFKA25/48.00/140-11 ERKA25/48.00/140-11
★ 34	48	40.3	3100	3.5	EFKA25/40.30/140-11 ERKA25/40.30/140-11

★ Marked Gearboxes are 3 stage.

INPUT POWER 0.37 KW / 0.5 HP / 71

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 17	198	81.4	2600	1.0	EFKA25/81.4/160-14 ERKA25/81.4/160-14
★ 20	167	68.4	2560	1.1	EFKA25/68.4/160-14 ERKA25/68.4/160-14
★ 24	142	58.2	2610	1.3	EFKA25/58.2/160-14 ERKA25/58.2/160-14
★ 29	117	48.0	2620	1.5	EFKA25/48.0/160-14 ERKA25/48.0/160-14
★ 35	98	40.3	2630	1.7	EFKA25/40.3/160-14 ERKA25/40.3/160-14
★ 41	83	34.2	2450	2.0	EFKA25/34.2/160-14 ERKA25/34.2/160-14

★ Marked Gearboxes are 3 stage.

INPUT POWER 0.55 KW / 0.75 HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
41	123	34.2	2110	1.4	EFK25/34.2/200-19 ERK25/34.2/200-19
51	99	27.5	2070	1.7	EFK25/27.5/200-19 ERK25/27.5/200-19
62	82	22.7	2010	2.1	EFK25/22.7/200-19 ERK25/22.7/200-19
74	68	19.0	1970	2.4	EFK25/19.0/200-19 ERK25/19.0/200-19
87	58	16.2	1910	2.8	EFK25/16.2/200-19 ERK25/16.2/200-19
100	51	14.1	1860	2.7	EFK25/14.1/200-19 ERK25/14.1/200-19
118	43	11.9	1780	3.1	EFK25/11.9/200-19 ERK25/11.9/200-19
170	30	8.3	1760	4.2	EFK25/8.30/200-19 ERK25/8.30/200-19
204	25	6.9	1740	4.8	EFK25/6.90/200-19 ERK25/6.90/200-19
243	21	5.8	1730	5.5	EFK25/5.80/200-19 ERK25/5.80/200-19
336	15	4.2	1710	7.0	EFK25/4.20/200-19 ERK25/4.20/200-19
441	12	3.2	1690	7.5	EFK25/3.20/200-19 ERK25/3.20/200-19

INPUT POWER 0.75 KW / 1.0 HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
41	168	34.2	1770	1.1	EFK25/34.2/200-19 ERK25/34.2/200-19
51	135	27.5	1820	1.3	EFK25/27.5/200-19 ERK25/27.5/200-19
62	111	22.7	1810	1.6	EFK25/22.7/200-19 ERK25/22.7/200-19
74	93	19.0	1800	1.9	EFK25/19.0/200-19 ERK25/19.0/200-19
87	79	16.2	1740	2.2	EFK25/16.2/200-19 ERK25/16.2/200-19
100	69	14.1	1740	2.4	EFK25/14.1/200-19 ERK25/14.1/200-19
118	58	11.9	1670	2.6	EFK25/11.9/200-19 ERK25/11.9/200-19
170	41	8.3	1570	3.4	EFK25/8.30/200-19 ERK25/8.30/200-19
204	34	6.9	1560	4.1	EFK25/6.90/200-19 ERK25/6.90/200-19
243	28	5.8	1550	4.6	EFK25/5.80/200-19 ERK25/5.80/200-19
336	21	4.2	1510	5.2	EFK25/4.20/200-19 ERK25/4.20/200-19
441	16	3.2	1490	5.6	EFK25/3.20/200-19 ERK25/3.20/200-19

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-25

INPUT POWER 1.10 KW / 1.5 HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
62	163	22.7	1450	1.1	EFK25/22.7/200-24 ERK25/22.7/200-24
74	136	19.0	1450	1.3	EFK25/19.0/200-24 ERK25/19.0/200-24
87	116	16.2	1450	1.5	EFK25/16.2/200-24 ERK25/16.2/200-24
100	101	14.1	1510	1.6	EFK25/14.1/200-24 ERK25/14.1/200-24
119	85	11.9	1480	1.8	EFK25/11.8/200-24 ERK25/11.8/200-24
170	59	8.3	1430	2.4	EFK25/8.30/200-24 ERK25/8.30/200-24
205	49	6.9	1350	2.7	EFK25/6.90/200-24 ERK25/6.90/200-24
244	42	5.8	1330	3.1	EFK25/5.80/200-24 ERK25/5.80/200-24
337	30	4.2	1330	4.0	EFK25/4.20/200-24 ERK25/4.20/200-24
442	23	3.2	1320	4.8	EFK25/3.20/200-24 ERK25/3.20/200-24

INPUT POWER 1.50 KW / 2.0 HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
74	186	19.0	1150	1.0	EFK25/19.0/200-24 ERK25/19.0/200-24
87	159	16.2	1160	1.1	EFK25/16.2/200-24 ERK25/16.2/200-24
100	138	14.1	1250	1.2	EFK25/14.1/200-24 ERK25/14.1/200-24
118	117	11.9	1270	1.3	EFK25/11.8/200-24 ERK25/11.8/200-24
170	81	8.3	1260	1.7	EFK25/8.30/200-24 ERK25/8.30/200-24
204	68	6.9	1260	1.9	EFK25/6.90/200-24 ERK25/6.90/200-24
243	57	5.8	1240	2.1	EFK25/5.80/200-24 ERK25/5.80/200-24
336	41	4.2	1210	2.6	EFK25/4.20/200-24 ERK25/4.20/200-24
441	31	3.2	1190	3.2	EFK25/3.20/200-24 ERK25/3.20/200-24

HELICAL GEAR BOX

Power Rating Table

E-30

INPUT POWER 0.55 KW / 0.75HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
★ 9	568	158.0	4980	0.8	EFKA30/158.0/200-19 ERKA30/158.0/200-19
★ 11	471	131.0	4980	0.9	EFKA30/131.0/200-19 ERKA30/131.0/200-19
★ 14	366	101.7	4980	1.0	EFKA30/101.7/200-19 ERKA30/101.7/200-19
★ 17	303	84.3	5030	1.1	EFKA30/84.30/200-19 ERKA30/84.30/200-19
★ 20	256	71.2	4950	1.2	EFKA30/71.20/200-19 ERKA30/71.20/200-19
★ 23	219	61.0	4850	1.5	EFKA30/61.00/200-19 ERKA30/61.00/200-19
★ 27	190	52.9	4660	1.7	EFKA30/52.90/200-19 ERKA30/52.90/200-19
★ 32	156	43.4	4520	2.1	EFKA30/43.40200-19 ERKA30/43.40/200-19
35	147	40.8	4500	2.2	EFK30/40.8/200-19 ERK30/40.8/200-19
42	122	33.8	4290	2.6	EFK30/33.8/200-19 ERK30/33.8/200-19
54	95	26.3	4120	3.3	EFK30/26.3/200-19 ERK30/26.3/200-19
65	78	21.8	4080	3.8	EFK30/21.8/200-19 ERK30/21.8/200-19
77	66	18.4	4010	4.2	EFK30/18.4/200-19 ERK30/18.4/200-19
89	57	15.8	3950	4.6	EFK30/15.8/200-19 ERK30/15.8/200-19
103	49	13.7	3920	5.2	EFK30/13.7/200-19 ERK30/13.7/200-19
126	40	11.2	3880	5.9	EFK30/11.2/200-19 ERK30/11.2/200-19
148	34	9.5	3850	6.7	EFK30/9.50/200-19 ERK30/9.50/200-19
174	29	8.1	3810	7.5	EFK30/8.10/200-19 ERK30/8.10/200-19
201	25	7.0	3760	8.4	EFK30/7.00/200-19 ERK30/7.00/200-19
243	21	5.8	3730	8.8	EFK30/5.80/200-19 ERK30/5.80/200-19
294	17	4.8	3650	9.3	EFK30/4.80/200-19 ERK30/4.80/200-19
336	15	4.2	3620	9.9	EFK30/4.20/200-19 ERK30/4.20/200-19
392	13	3.6	3550	10.4	EFK30/3.60/200-19 ERK30/3.60/200-19

★ Marked Gearboxes are 3 stage.

INPUT POWER 0.75 KW / 1.0 HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
★ 20	349	71.2	4380	1.0	EFKA30/71.2/200-19 ERKA30/71.2/200-19
★ 23	299	61.0	4320	1.1	EFKA30/61.0/200-19 ERKA30/61.0/200-19
★ 27	259	52.9	4220	1.2	EFKA30/52.9/200-19 ERKA30/52.9/200-19
★ 32	213	43.4	4190	1.5	EFKA30/43.4/200-19 ERKA30/43.4/200-19
35	200	40.8	4150	1.6	EFK30/40.8/200-19 ERK30/40.8/200-19
42	166	33.8	4040	1.9	EFK30/33.8/200-19 ERK30/33.8/200-19
54	129	26.3	3920	2.4	EFK30/26.3/200-19 ERK30/26.3/200-19
65	107	21.8	3810	2.8	EFK30/21.8/200-19 ERK30/21.8/200-19
77	90	18.4	3700	3.1	EFK30/18.4/200-19 ERK30/18.4/200-19
89	77	15.8	3590	3.4	EFK30/15.8/200-19 ERK30/15.8/200-19
103	67	13.7	3420	3.9	EFK30/13.7/200-19 ERK30/13.7/200-19
126	55	11.2	3380	4.5	EFK30/11.2/200-19 ERK30/11.2/200-19
148	47	9.5	3310	5.2	EFK30/9.50/200-19 ERK30/9.50/200-19
174	40	8.1	3290	5.9	EFK30/8.10/200-19 ERK30/8.10/200-19
201	34	7.0	3260	6.2	EFK30/7.00/200-19 ERK30/7.00/200-19
243	28	5.8	3230	6.9	EFK30/5.80/200-19 ERK30/5.80/200-19
294	24	4.8	3190	7.3	EFK30/4.80/200-19 ERK30/4.80/200-19
336	21	4.2	3160	7.9	EFK30/4.20/200-19 ERK30/4.20/200-19
392	18	3.6	3150	8.3	EFK30/3.60/200-19 ERK30/3.60/200-19

NOTE : All above ratio are also available in Solid Input Shaft

ADVANCED GEARBOX SOLUTIONS FOR A DYNAMIC WORLD

HELICAL GEAR BOX

Power Rating Table

E-30

INPUT POWER 1.10 KW / 1.5HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
35	292	40.8	3620	1.1	EFK30/40.8/200-24 ERK30/40.8/200-24
42	242	33.8	3550	1.3	EFK30/33.8/200-24 ERK30/33.8/200-24
54	188	26.3	3380	1.7	EFK30/26.3/200-24 ERK30/26.3/200-24
65	156	21.8	3350	1.9	EFK30/21.8/200-24 ERK30/21.8/200-24
77	132	18.4	3330	2.1	EFK30/18.4/200-24 ERK30/18.4/200-24
90	113	15.8	3170	2.5	EFK30/15.8/200-24 ERK30/15.8/200-24
103	98	13.7	3030	2.9	EFK30/13.7/200-24 ERK30/13.7/200-24
126	80	11.2	2990	3.3	EFK30/11.2/200-24 ERK30/11.2/200-24
149	68	9.5	2970	3.6	EFK30/9.50/200-24 ERK30/9.50/200-24
175	58	8.1	2930	4.1	EFK30/8.10/200-24 ERK30/8.10/200-24
202	50	7.0	2890	4.6	EFK30/7.00/200-24 ERK30/7.00/200-24
244	42	5.8	2870	5.2	EFK30/5.80/200-24 ERK30/5.80/200-24
295	34	4.8	2840	6.2	EFK30/4.80/200-24 ERK30/4.80/200-24
337	30	4.2	2810	6.7	EFK30/4.20/200-24 ERK30/4.20/200-24
393	26	3.6	2770	7.1	EFK30/3.60/200-24 ERK30/3.60/200-24

INPUT POWER 1.50 KW / 2.0HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
42	330	33.8	3060	1.0	EFK30/33.8/200-24 ERK30/33.8/200-24
54	257	26.3	3050	1.2	EFK30/26.3/200-24 ERK30/26.3/200-24
65	213	21.8	3000	1.4	EFK30/21.8/200-24 ERK30/21.8/200-24
77	180	18.4	3050	1.6	EFK30/18.4/200-24 ERK30/18.4/200-24
90	154	15.8	2940	1.7	EFK30/15.8/200-24 ERK30/15.8/200-24
103	134	13.7	2880	2.0	EFK30/13.7/200-24 ERK30/13.7/200-24
126	109	11.2	2830	2.2	EFK30/11.2/200-24 ERK30/11.2/200-24
149	93	9.5	2710	2.6	EFK30/9.50/200-24 ERK30/9.50/200-24
175	79	8.1	2640	3.1	EFK30/8.10/200-24 ERK30/8.10/200-24
202	68	7.0	2570	3.3	EFK30/7.00/200-24 ERK30/7.00/200-24
244	57	5.8	2540	3.4	EFK30/5.80/200-24 ERK30/5.80/200-24
295	47	4.8	2500	3.7	EFK30/4.80/200-24 ERK30/4.80/200-24
337	41	4.2	2470	4.1	EFK30/4.20/200-24 ERK30/4.20/200-24
393	35	3.6	2440	4.5	EFK30/3.60/200-24 ERK30/3.60/200-24

INPUT POWER 2.20 KW / 3.0HP / 100

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
66	307	21.8	2520	1.0	EFK30/21.8/250-28 ERK30/21.8/250-28
78	259	18.4	2520	1.1	EFK30/18.4/250-28 ERK30/18.4/250-28
91	222	15.8	2490	1.3	EFK30/15.8/250-28 ERK30/15.8/250-28
105	193	13.7	2460	1.5	EFK30/13.7/250-28 ERK30/13.7/250-28
129	158	11.2	2430	1.7	EFK30/11.2/250-28 ERK30/11.2/250-28
152	134	9.5	2420	1.9	EFK30/9.50/250-28 ERK30/9.50/250-28
178	114	8.1	2390	2.1	EFK30/8.10/250-28 ERK30/8.10/250-28
206	99	7.0	2340	2.3	EFK30/7.00/250-28 ERK30/7.00/250-28
248	82	5.8	2290	2.7	EFK30/5.80/250-28 ERK30/5.80/250-28
300	68	4.8	2180	3.2	EFK30/4.80/250-28 ERK30/4.80/250-28
343	59	4.2	2150	3.4	EFK30/4.20/250-28 ERK30/4.20/250-28
400	51	3.6	2110	3.6	EFK30/3.60/250-28 ERK30/3.60/250-28

INPUT POWER 3.70 KW / 5.0HP / 112

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
128	267	11.2	2330	1.0	EFK30/11.2/250-28 ERK30/11.2/250-28
151	227	9.5	2320	1.1	EFK30/9.50/250-28 ERK30/9.50/250-28
177	193	8.1	2290	1.3	EFK30/8.10/250-28 ERK30/8.10/250-28
204	167	7.0	2240	1.4	EFK30/7.00/250-28 ERK30/7.00/250-28
247	138	5.8	2190	1.5	EFK30/5.80/250-28 ERK30/5.80/250-28
298	114	4.8	2080	1.7	EFK30/4.80/250-28 ERK30/4.80/250-28
340	100	4.2	2050	1.8	EFK30/4.20/250-28 ERK30/4.20/250-28
397	86	3.6	2010	1.9	EFK30/3.60/250-28 ERK30/3.60/250-28

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-35

INPUT POWER 0.55 KW / 0.75HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
★ 9	568	158.0	7130	0.8	EFKA35/158.0/200-19 ERKA35/158.0/200-19
★ 11	471	131.0	7170	1.0	EFKA35/131.0/200-19 ERKA35/131.0/200-19
★ 14	366	101.7	7170	1.3	EFKA35/101.7/200-19 ERKA35/101.7/200-19
★ 17	303	84.3	7170	1.6	EFKA35/84.30/200-19 ERKA35/84.30/200-19
★ 20	256	71.2	7170	1.9	EFKA35/71.20/200-19 ERKA35/71.20/200-19
★ 23	219	61.0	7170	2.2	EFKA35/61.00/200-19 ERKA35/61.00/200-19
★ 27	190	52.9	7170	2.5	EFKA35/52.90/200-19 ERKA35/52.90/200-19
★ 32	156	43.4	7170	3.0	EFKA35/43.40/200-19 ERKA35/43.40/200-19
35	147	40.8	7100	3.2	EFK35/40.8/200-19 ERK35/40.8/200-19
42	122	33.8	7090	3.9	EFK35/33.8/200-19 ERK35/33.8/200-19
54	95	26.3	7080	4.9	EFK35/26.3/200-19 ERK35/26.3/200-19
65	78	21.8	7060	5.8	EFK35/21.8/200-19 ERK35/21.8/200-19
77	66	18.4	7050	6.4	EFK35/18.4/200-19 ERK35/18.4/200-19
89	57	15.8	7030	7.0	EFK35/15.8/200-19 ERK35/15.8/200-19
103	49	13.7	7000	7.8	EFK35/13.7/200-19 ERK35/13.7/200-19
126	40	11.2	6980	8.6	EFK35/11.2/200-19 ERK35/11.2/200-19
148	34	9.5	6980	9.0	EFK35/9.50/200-19 ERK35/9.50/200-19

INPUT POWER 0.75 KW / 1.0HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
★ 14	499	101.7	7170	1.0	EFKA35/101.7/200-19 ERKA35/101.7/200-19
★ 17	413	84.3	7170	1.2	EFKA35/84.30/200-19 ERKA35/84.30/200-19
★ 20	349	71.2	7170	1.4	EFKA35/71.20/200-19 ERKA35/71.20/200-19
★ 23	299	61.0	7170	1.6	EFKA35/61.00/200-19 ERKA35/61.00/200-19
★ 27	259	52.9	7170	1.8	EFKA35/52.90/200-19 ERKA35/52.90/200-19
★ 32	213	43.4	7170	2.2	EFKA35/43.40/200-19 ERKA35/43.40/200-19
35	200	40.8	7100	2.4	EFK35/40.8/200-19 ERK35/40.8/200-19
42	166	33.8	7090	2.9	EFK35/33.8/200-19 ERK35/33.8/200-19
54	129	26.3	7070	3.6	EFK35/26.3/200-19 ERK35/26.3/200-19
65	107	21.8	7050	4.2	EFK35/21.8/200-19 ERK35/21.8/200-19
77	90	18.4	7030	4.7	EFK35/18.4/200-19 ERK35/18.4/200-19
89	77	15.8	7000	5.2	EFK35/15.8/200-19 ERK35/15.8/200-19
103	67	13.7	6980	5.9	EFK35/13.7/200-19 ERK35/13.7/200-19
126	55	11.2	6950	6.7	EFK35/11.2/200-19 ERK35/11.2/200-19
148	47	9.5	6930	7.6	EFK35/9.50/200-19 ERK35/9.50/200-19
174	40	8.1	6910	8.3	EFK35/8.10/200-19 ERK35/8.10/200-19

★ Marked Gearboxes are 3 stage.

HELICAL GEAR BOX

Power Rating Table

E-35

INPUT POWER 1.10 KW / 1.5HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 20	510	71.2	7170	1.0	EFKA35/71.2/200-24 ERKA35/71.2/200-24
★ 23	437	61.0	7170	1.1	EFKA35/61.0/200-24 ERKA35/61.0/200-24
★ 27	379	52.9	7170	1.3	EFKA35/52.9/200-24 ERKA35/52.9/200-24
★ 33	311	43.4	7170	1.6	EFKA35/43.4/200-24 ERKA35/43.4/200-24
35	292	40.8	7170	1.7	EFK35/40.8/200-24 ERK35/40.8/200-24
42	242	33.8	7170	2.0	EFK35/33.8/200-24 ERK35/33.8/200-24
54	188	26.3	7050	2.6	EFK35/26.3/200-24 ERK35/26.3/200-24
65	156	21.8	7030	2.9	EFK35/21.8/200-24 ERK35/21.8/200-24
77	132	18.4	7000	3.2	EFK35/18.4/200-24 ERK35/18.4/200-24
90	113	15.8	6980	3.8	EFK35/15.8/200-24 ERK35/15.8/200-24
103	98	13.7	6950	4.3	EFK35/13.7/200-24 ERK35/13.7/200-24
126	80	11.2	6930	5.0	EFK35/11.2/200-24 ERK35/11.2/200-24
149	68	9.5	6910	5.5	EFK35/9.50/200-24 ERK35/9.50/200-24
175	58	8.1	6890	6.2	EFK35/8.10/200-24 ERK35/8.10/200-24
202	50	7.0	6860	6.9	EFK35/7.00/200-24 ERK35/7.00/200-24
244	42	5.8	6830	7.9	EFK35/5.80/200-24 ERK35/5.80/200-24
295	34	4.8	6810	9.0	EFK35/4.80/200-24 ERK35/4.80/200-24

INPUT POWER 1.50 KW / 2.0HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 27	517	52.9	7170	1.0	EFKA35/52.9/200-24 ERKA35/52.9/200-24
★ 33	424	43.4	7170	1.1	EFKA35/43.4/200-24 ERKA35/43.4/200-24
35	399	40.8	7170	1.2	EFK35/40.8/200-24 ERK35/40.8/200-24
42	330	33.8	7170	1.4	EFK35/33.8/200-24 ERK35/33.8/200-24
54	257	26.3	7100	1.9	EFK35/26.3/200-24 ERK35/26.3/200-24
65	213	21.8	7030	2.1	EFK35/21.8/200-24 ERK35/21.8/200-24
77	180	18.4	7000	2.4	EFK35/18.4/200-24 ERK35/18.4/200-24
90	154	15.8	6980	2.7	EFK35/15.8/200-24 ERK35/15.8/200-24
103	134	13.7	6950	3.0	EFK35/13.7/200-24 ERK35/13.7/200-24
126	109	11.2	6930	3.4	EFK35/11.2/200-24 ERK35/11.2/200-24
149	93	9.5	6910	3.8	EFK35/9.50/200-24 ERK35/9.50/200-24
175	79	8.1	6890	4.4	EFK35/8.10/200-24 ERK35/8.10/200-24
202	68	7.0	6860	4.9	EFK35/7.00/200-24 ERK35/7.00/200-24
244	57	5.8	6830	5.1	EFK35/5.80/200-24 ERK35/5.80/200-24
295	47	4.8	6810	5.6	EFK35/4.80/200-24 ERK35/4.80/200-24
337	41	4.2	6790	6.1	EFK35/4.20/200-24 ERK35/4.20/200-24
393	35	3.6	6780	6.4	EFK35/3.60/200-24 ERK35/3.60/200-24

HELICAL GEAR BOX

Power Rating Table

E-35

INPUT POWER 2.20 KW / 3.0HP / 100

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
78	259	18.4	7170	1.4	EFK35/18.4/250-28 ERK35/18.4/250-28
91	222	15.8	7170	1.6	EFK35/15.8/250-28 ERK35/15.8/250-28
105	193	13.7	7160	1.8	EFK35/13.7/250-28 ERK35/13.7/250-28
129	158	11.2	7120	2.1	EFK35/11.2/250-28 ERK35/11.2/250-28
152	134	9.5	6920	2.5	EFK35/9.50/250-28 ERK35/9.50/250-28
178	114	8.1	6680	2.8	EFK35/8.10/250-28 ERK35/8.10/250-28
206	99	7.0	6490	3.1	EFK35/7.00/250-28 ERK35/7.00/250-28
248	82	5.8	6380	3.4	EFK35/5.80/250-28 ERK35/5.80/250-28
300	68	4.8	6280	3.7	EFK35/4.80/250-28 ERK35/4.80/250-28
343	59	4.2	6200	4.0	EFK35/4.20/250-28 ERK35/4.20/250-28
400	51	3.6	6110	4.2	EFK35/3.60/250-28 ERK35/3.60/250-28

INPUT POWER 3.70 KW / 5.0HP / 112

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
78	439	18.4	6740	1.0	EFK35/18.4/250-28 ERK35/18.4/250-28
91	377	15.8	6650	1.1	EFK35/15.8/250-28 ERK35/15.8/250-28
104	327	13.7	6590	1.2	EFK35/13.7/250-28 ERK35/13.7/250-28
128	267	11.2	6540	1.4	EFK35/11.2/250-28 ERK35/11.2/250-28
151	227	9.5	6500	1.5	EFK35/9.50/250-28 ERK35/9.50/250-28
177	193	8.1	6450	1.7	EFK35/8.10/250-28 ERK35/8.10/250-28
204	167	7.0	6420	1.9	EFK35/7.00/250-28 ERK35/7.00/250-28
247	138	5.8	6320	2.2	EFK35/5.80/250-28 ERK35/5.80/250-28
298	114	4.8	6160	2.4	EFK35/4.80/250-28 ERK35/4.80/250-28
340	100	4.2	6080	2.7	EFK35/4.20/250-28 ERK35/4.20/250-28
397	86	3.6	6010	2.9	EFK35/3.60/250-28 ERK35/3.60/250-28

NOTE : All above ratio are also available in Solid Input Shaft

PIONEERING
THE FUTURE OF
GEARBOX
MANUFACTURING

HELICAL GEAR BOX

Power Rating Table

E-45

INPUT POWER 0.55 KW / 0.75HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R4} (N)	f_b (Service Factor)	Model
★ 7	694	193.1	9480	1.0	EFKA45/193.1/200-19 ERKA45/193.1/200-19
★ 11	476	132.3	9480	1.5	EFKA45/132.3/200-19 ERKA45/132.3/200-19
★ 12	406	112.9	9480	1.8	EFKA45/112.9/200-19 ERKA45/112.9/200-19
★ 15	339	94.3	9480	2.1	EFKA45/94.30/200-19 ERKA45/94.30/200-19
★ 18	287	79.8	9480	2.5	EFKA45/79.80/200-19 ERKA45/79.80/200-19
★ 20	258	71.8	9480	2.8	EFKA45/71.80/200-19 ERKA45/71.80/200-19
★ 24	216	60.0	9420	3.2	EFKA45/60.00/200-19 ERKA45/60.00/200-19
★ 28	183	50.8	9420	3.8	EFKA45/50.80/200-19 ERKA45/50.80/200-19
★ 32	156	43.4	9420	4.2	EFKA45/43.40/200-19 ERKA45/43.40/200-19
★ 38	134	37.4	9420	4.8	EFKA45/37.40/200-19 ERKA45/37.40/200-19
★ 44	116	32.4	9420	5.3	EFKA45/32.40/200-19 ERKA45/32.40/200-19

INPUT POWER 0.75 KW / 1.0HP / 80

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R4} (N)	f_b (Service Factor)	Model
★ 11	649	132.3	9480	1.1	EFKA45/132.3/200-19 ERKA45/132.3/200-19
★ 12	553	112.9	9480	1.3	EFKA45/112.9/200-19 ERKA45/112.9/200-19
★ 15	462	94.3	9480	1.6	EFKA45/94.30/200-19 ERKA45/94.30/200-19
★ 18	391	79.8	9480	1.8	EFKA45/79.80/200-19 ERKA45/79.80/200-19
★ 20	352	71.8	9480	2.0	EFKA45/71.80/200-19 ERKA45/71.80/200-19
★ 24	294	60.0	9420	2.4	EFKA45/60.00/200-19 ERKA45/60.00/200-19
★ 28	249	50.8	9420	2.8	EFKA45/50.80/200-19 ERKA45/50.80/200-19
★ 32	213	43.4	9420	3.1	EFKA45/43.40/200-19 ERKA45/43.40/200-19
★ 38	183	37.4	9420	3.5	EFKA45/37.40/200-19 ERKA45/37.40/200-19
★ 44	159	32.4	9420	3.9	EFKA45/32.40/200-19 ERKA45/32.40/200-19

INPUT POWER 1.1 KW / 1.5HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R4} (N)	f_b (Service Factor)	Model
★ 13	809	112.9	9480	1.0	EFKA45/112.9/200-24 ERKA45/112.9/200-24
★ 15	676	94.3	9480	1.1	EFKA45/94.30/200-24 ERKA45/94.30/200-24
★ 18	572	79.8	9480	1.3	EFKA45/79.80/200-24 ERKA45/79.80/200-24
★ 20	514	71.8	9480	1.4	EFKA45/71.80/200-24 ERKA45/71.80/200-24
★ 24	430	60.0	9420	1.6	EFKA45/60.00/200-24 ERKA45/60.00/200-24
★ 28	364	50.8	9420	1.9	EFKA45/50.80/200-24 ERKA45/50.80/200-24
★ 33	311	43.4	9420	2.3	EFKA45/43.40/200-24 ERKA45/43.40/200-24
★ 38	268	37.4	9420	2.6	EFKA45/37.40/200-24 ERKA45/37.40/200-24
★ 44	232	32.4	9420	2.9	EFKA45/32.40/200-24 ERKA45/32.40/200-24
55	186	25.9	9370	3.3	EFK45/25.9/200-24 ERK45/25.9/200-24
67	152	21.2	9370	4.1	EFK45/21.2/200-24 ERK45/21.2/200-24
80	127	17.7	9370	4.7	EFK45/17.7/200-24 ERK45/17.7/200-24
94	107	15.0	9370	5.4	EFK45/15.0/200-24 ERK45/15.0/200-24
111	92	12.8	9370	6.1	EFK45/12.8/200-24 ERK45/12.8/200-24

INPUT POWER 1.5 KW / 2.0HP / 90

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R4} (N)	f_b (Service Factor)	Model
★ 18	780	79.8	9480	1.0	EFKA45/79.8/200-24 ERKA45/79.8/200-24
★ 20	701	71.8	9480	1.1	EFKA45/71.8/200-24 ERKA45/71.8/200-24
★ 24	586	60.0	9480	1.2	EFKA45/60.0/200-24 ERKA45/60.0/200-24
★ 28	496	50.8	9480	1.5	EFKA45/50.8/200-24 ERKA45/50.8/200-24
★ 33	424	43.4	9420	1.7	EFKA45/43.4/200-24 ERKA45/43.4/200-24
★ 38	365	37.4	9420	2.0	EFKA45/37.4/200-24 ERKA45/37.4/200-24
★ 44	317	32.4	9420	2.2	EFKA45/32.4/200-24 ERKA45/32.4/200-24
55	253	25.9	9370	2.8	EFK45/25.9/200-24 ERK45/25.9/200-24
67	207	21.2	9370	3.1	EFK45/21.2/200-24 ERK45/21.2/200-24
80	173	17.7	9370	3.7	EFK45/17.7/200-24 ERK45/17.7/200-24
94	147	15.0	9370	4.2	EFK45/15.0/200-24 ERK45/15.0/200-24
111	125	12.8	9370	4.6	EFK45/12.8/200-24 ERK45/12.8/200-24
127	108	11.1	9370	5.0	EFK45/11.1/200-24 ERK45/11.1/200-24
166	83	8.5	9370	5.9	EFK45/8.50/200-24 ERK45/8.50/200-24

★ Marked Gearboxes are 3 stage.

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-45

INPUT POWER 2.2 KW / 3.0HP / 100

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 28	715	50.8	9440	1.0	EFKA45/50.8/250-28 ERKA45/50.8/250-28
★ 33	611	43.4	9390	1.2	EFKA45/43.4/250-28 ERKA45/43.4/250-28
★ 39	527	37.4	9390	1.4	EFKA45/37.4/250-28 ERKA45/37.4/250-28
★ 44	456	32.4	9390	1.6	EFKA45/32.4/250-28 ERKA45/32.4/250-28
56	365	25.9	9280	2.0	EFK45/25.9/250-28 ERK45/25.9/250-28
68	298	21.2	9280	2.3	EFK45/21.2/250-28 ERK45/21.2/250-28
81	249	17.7	9010	2.6	EFK45/17.7/250-28 ERK45/17.7/250-28
96	211	15.0	8750	2.9	EFK45/15.0/250-28 ERK45/15.0/250-28
113	180	12.8	8540	3.3	EFK45/12.8/250-28 ERK45/12.8/250-28
130	156	11.1	8390	3.6	EFK45/11.1/250-28 ERK45/11.1/250-28
169	120	8.5	8220	4.3	EFK45/8.50/250-28 ERK45/8.50/250-28
200	101	7.2	8180	5.0	EFK45/7.20/250-28 ERK45/7.20/250-28
236	86	6.1	8140	5.6	EFK45/6.10/250-28 ERK45/6.10/250-28
272	75	5.3	8090	5.9	EFK45/5.30/250-28 ERK45/5.30/250-28
313	65	4.6	8060	6.2	EFK45/4.60/250-28 ERK45/4.60/250-28

★ Marked Gearboxes are 3 stage.

INPUT POWER 3.7 KW / 5.0HP / 112

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
55	618	25.9	8180	1.2	EFK45/25.9/250-28 ERK45/25.9/250-28
67	506	21.2	8120	1.4	EFK45/21.2/250-28 ERK45/21.2/250-28
81	422	17.7	8060	1.5	EFK45/17.7/250-28 ERK45/17.7/250-28
95	358	15.0	7850	1.7	EFK45/15.0/250-28 ERK45/15.0/250-28
112	305	12.8	7640	2.0	EFK45/12.8/250-28 ERK45/12.8/250-28
129	265	11.1	7610	2.1	EFK45/11.1/250-28 ERK45/11.1/250-28
168	203	8.5	7540	2.6	EFK45/8.50/250-28 ERK45/8.50/250-28
199	172	7.2	7390	2.9	EFK45/7.20/250-28 ERK45/7.20/250-28
234	145	6.1	7290	3.3	EFK45/6.10/250-28 ERK45/6.10/250-28
270	126	5.3	7220	3.5	EFK45/5.30/250-28 ERK45/5.30/250-28
311	110	4.6	7160	3.7	EFK45/4.60/250-28 ERK45/4.60/250-28
397	86	3.6	7020	4.2	EFK45/3.60/250-28 ERK45/3.60/250-28

INPUT POWER 5.5 KW / 7.5HP / 132

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
68	741	21.2	7180	1.0	EFK45/21.2/300-38 ERK45/21.2/300-38
82	619	17.7	7120	1.2	EFK45/17.7/300-38 ERK45/17.7/300-38
97	524	15.0	7090	1.3	EFK45/15.0/300-38 ERK45/15.0/300-38
113	447	12.8	7030	1.5	EFK45/12.8/300-38 ERK45/12.8/300-38
131	388	11.1	7010	1.8	EFK45/11.1/300-38 ERK45/11.1/300-38
171	297	8.5	6700	2.2	EFK45/8.50/300-38 ERK45/8.50/300-38
201	252	7.2	6540	2.4	EFK45/7.20/300-38 ERK45/7.20/300-38
238	213	6.1	6360	2.6	EFK45/6.10/300-38 ERK45/6.10/300-38
274	185	5.3	6200	2.9	EFK45/5.30/300-38 ERK45/5.30/300-38
315	161	4.6	5950	3.2	EFK45/4.60/300-38 ERK45/4.60/300-38
403	126	3.6	5880	3.7	EFK45/3.60/300-38 ERK45/3.60/300-38

INPUT POWER 7.5 KW / 10.0HP / 132

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
97	713	15.0	6330	1.0	EFK45/15.0/300-38 ERK45/15.0/300-38
114	608	12.8	6240	1.1	EFK45/12.8/300-38 ERK45/12.8/300-38
131	527	11.1	6210	1.3	EFK45/11.1/300-38 ERK45/11.1/300-38
171	404	8.5	6160	1.6	EFK45/8.50/300-38 ERK45/8.50/300-38
202	342	7.2	6060	1.8	EFK45/7.20/300-38 ERK45/7.20/300-38
239	290	6.1	6010	1.9	EFK45/6.10/300-38 ERK45/6.10/300-38
275	252	5.3	5890	2.1	EFK45/5.30/300-38 ERK45/5.30/300-38
316	219	4.6	5720	2.4	EFK45/4.60/300-38 ERK45/4.60/300-38
404	171	3.6	5630	2.7	EFK45/3.60/300-38 ERK45/3.60/300-38

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-55

INPUT POWER 1.1 KW / 1.5 HP — Frame Size 90S

	n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★	9	1169	164.0	14900	1.00	EFKA55/164.0/200-24 ERKA55/164.0/200-24
★	11	947	132.8	14900	1.30	EFKA55/132.8/200-24 ERKA55/132.8/200-24
★	13	753	105.7	14900	1.60	EFKA55/105.7/200-24 ERKA55/105.7/200-24
★	16	615	86.3	14800	2.00	EFKA55/86.30/200-24 ERKA55/86.30/200-24
★	19	532	74.7	14800	2.30	EFKA55/74.70/200-24 ERKA55/74.70/200-24
★	23	434	60.9	14800	2.80	EFKA55/60.90/200-24 ERKA55/60.90/200-24
★	28	361	50.7	14700	3.20	EFKA55/50.70/200-24 ERKA55/50.70/200-24
★	33	304	42.7	14700	3.60	EFKA55/42.70/200-24 ERKA55/42.70/200-24
★	39	258	36.3	14700	4.10	EFKA55/36.30/200-24 ERKA55/36.30/200-24
★	46	221	31.0	14700	4.60	EFKA55/31.00/200-24 ERKA55/31.00/200-24

INPUT POWER 1.5 KW / 2 HP — Frame Size 90L

	n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★	11	1291	132.8	14900	1.00	EFKA55/132.8/200-24 ERKA55/132.8/200-24
★	13	1027	105.7	14900	1.20	EFKA55/105.7/200-24 ERKA55/105.7/200-24
★	16	838	86.3	14900	1.40	EFKA55/86.30/200-24 ERKA55/86.30/200-24
★	19	726	74.7	14800	1.70	EFKA55/74.70/200-24 ERKA55/74.70/200-24
★	23	592	60.9	14800	2.10	EFKA55/60.90/200-24 ERKA55/60.90/200-24
★	28	492	50.7	14800	2.40	EFKA55/50.70/200-24 ERKA55/50.70/200-24
★	33	415	42.7	14700	2.80	EFKA55/42.70/200-24 ERKA55/42.70/200-24
★	39	352	36.3	14700	3.30	EFKA55/36.30/200-24 ERKA55/36.30/200-24
★	46	301	31.0	14700	3.70	EFKA55/31.00/200-24 ERKA55/31.00/200-24

★ Marked Gearboxes are 3 stage.

INPUT POWER 2.2 KW / 3 HP — Frame Size 100L

	n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★	17	1208	86.3	14900	1.00	EFKA55/86.3/250-28 ERKA55/86.3/250-28
★	19	1046	74.7	14900	1.10	EFKA55/74.7/250-28 ERKA55/74.7/250-28
★	24	854	60.9	14900	1.40	EFKA55/60.9/250-28 ERKA55/60.9/250-28
★	28	709	50.7	14900	1.70	EFKA55/50.7/250-28 ERKA55/50.7/250-28
★	34	598	42.7	14800	2.00	EFKA55/42.7/250-28 ERKA55/42.7/250-28
★	40	508	36.3	14800	2.50	EFKA55/36.3/250-28 ERKA55/36.3/250-28
★	46	434	31.0	14800	2.80	EFKA55/31.0/250-28 ERKA55/31.0/250-28
	57	354	25.3	14700	3.30	EFK55/25.3/250-28 ERK55/25.3/250-28
	81	250	17.9	14700	4.50	EFK55/17.9/250-28 ERK55/17.9/250-28
	101	199	14.2	14700	5.40	EFK55/14.2/250-28 ERK55/14.2/250-28

INPUT POWER 3.7 KW / 5 HP — Frame Size 112M

	n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★	28	1201	50.7	14900	1.00	EFKA55/50.7/250-28 ERKA55/50.7/250-28
★	34	1012	42.7	14900	1.20	EFKA55/42.7/250-28 ERKA55/42.7/250-28
★	39	860	36.3	14900	1.30	EFKA55/36.3/250-28 ERKA55/36.3/250-28
★	46	736	31.0	14800	1.60	EFKA55/31.0/250-28 ERKA55/31.0/250-28
	57	600	25.3	14800	2.00	EFK55/25.3/250-28 ERK55/25.3/250-28
	80	424	17.9	14700	2.80	EFK55/17.9/250-28 ERK55/17.9/250-28
	101	337	14.2	14700	3.30	EFK55/14.2/250-28 ERK55/14.2/250-28
	123	275	11.6	14700	3.90	EFK55/11.6/250-28 ERK55/11.6/250-28
	148	229	9.7	14700	4.70	EFK55/9.70/250-28 ERK55/9.70/250-28
	176	193	8.1	14700	5.40	EFK55/8.10/250-28 ERK55/8.10/250-28

★ Marked Gearboxes are 3 stage.

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-55

INPUT POWER 5.5 KW / 7.5 HP — Frame Size 132S

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
57	880	25.3	14900	1.30	EFK55/25.3/300-38 ERK55/25.3/300-38
81	622	17.9	14800	1.90	EFK55/17.9/300-38 ERK55/17.9/300-38
102	495	14.2	14800	2.20	EFK55/14.2/300-38 ERK55/14.2/300-38
125	404	11.6	14700	2.70	EFK55/11.6/300-38 ERK55/11.6/300-38
150	336	9.7	14400	3.10	EFK55/9.70/300-38 ERK55/9.70/300-38
178	283	8.1	14200	3.70	EFK55/8.10/300-38 ERK55/8.10/300-38
210	240	6.9	13900	4.20	EFK55/6.90/300-38 ERK55/6.90/300-38
245	206	5.9	13900	4.60	EFK55/5.90/300-38 ERK55/5.90/300-38

INPUT POWER 7.5 KW / 10 HP — Frame Size 132M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
58	1196	25.3	13800	1.00	EFK55/25.3/300-38 ERK55/25.3/300-38
81	845	17.9	13600	1.40	EFK55/17.9/300-38 ERK55/17.9/300-38
102	672	14.2	13400	1.60	EFK55/14.2/300-38 ERK55/14.2/300-38
125	549	11.6	13100	2.00	EFK55/11.6/300-38 ERK55/11.6/300-38
151	456	9.7	13100	2.40	EFK55/9.70/300-38 ERK55/9.70/300-38
179	384	8.1	12900	2.80	EFK55/8.10/300-38 ERK55/8.10/300-38
211	327	6.9	12500	3.30	EFK55/6.90/300-38 ERK55/6.90/300-38
246	279	5.9	12300	3.80	EFK55/5.90/300-38 ERK55/5.90/300-38
272	253	5.4	12000	4.00	EFK55/5.40/300-38 ERK55/5.40/300-38
319	215	4.6	12000	4.60	EFK55/4.60/300-38 ERK55/4.60/300-38
373	184	3.9	11800	5.10	EFK55/3.90/300-38 ERK55/3.90/300-38

INPUT POWER 11 KW / 15 HP — Frame Size 160M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
82	1235	17.9	11100	1.00	EFK55/17.9/350-42 ERK55/17.9/350-42
103	982	14.2	11500	1.10	EFK55/14.2/350-42 ERK55/14.2/350-42
126	802	11.6	11400	1.30	EFK55/11.6/350-42 ERK55/11.6/350-42
151	667	9.7	11300	1.60	EFK55/9.70/350-42 ERK55/9.70/350-42
180	562	8.1	11100	1.90	EFK55/8.10/350-42 ERK55/8.10/350-42
211	477	6.9	11200	2.30	EFK55/6.90/350-42 ERK55/6.90/350-42
247	408	5.9	11100	2.60	EFK55/5.90/350-42 ERK55/5.90/350-42
272	370	5.4	10700	2.80	EFK55/5.40/350-42 ERK55/5.40/350-42
320	315	4.6	10400	3.20	EFK55/4.60/350-42 ERK55/4.60/350-42
374	269	3.9	10400	3.60	EFK55/3.90/350-42 ERK55/3.90/350-42

INPUT POWER 15 KW / 20 HP — Frame Size 160L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
151	909	9.7	9600	1.20	EFK55/9.70/350-42 ERK55/9.70/350-42
180	766	8.1	10000	1.40	EFK55/8.10/350-42 ERK55/8.10/350-42
211	651	6.9	10000	1.70	EFK55/6.90/350-42 ERK55/6.90/350-42
247	557	5.9	9800	1.90	EFK55/5.90/350-42 ERK55/5.90/350-42
272	505	5.4	9700	2.10	EFK55/5.40/350-42 ERK55/5.40/350-42
320	430	4.6	9700	2.30	EFK55/4.60/350-42 ERK55/4.60/350-42
374	367	3.9	9500	2.60	EFK55/3.90/350-42 ERK55/3.90/350-42

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-60

INPUT POWER 2.2 KW / 3 HP — Frame Size 100L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 8	2449	174.8	21900	0.90	EFKA60/174.8/250-28 ERKA60/174.8/250-28
★ 12	1749	124.9	21900	1.20	EFKA60/124.9/250-28 ERKA60/124.9/250-28
★ 15	1379	98.4	21900	1.50	EFKA60/98.40/250-28 ERKA60/98.40/250-28
★ 18	1114	79.6	21800	1.90	EFKA60/79.60/250-28 ERKA60/79.60/250-28
★ 22	916	65.4	21800	2.30	EFKA60/65.40/250-28 ERKA60/65.40/250-28
★ 27	762	54.4	21800	2.60	EFKA60/54.40/250-28 ERKA60/54.40/250-28
★ 32	638	45.6	21700	3.10	EFKA60/45.60/250-28 ERKA60/45.60/250-28
★ 38	537	38.4	21600	3.40	EFKA60/38.40/250-28 ERKA60/38.40/250-28
★ 47	429	30.7	21500	4.00	EFKA60/30.70/250-28 ERKA60/30.70/250-28

★ Marked Gearboxes are 3 stage.

INPUT POWER 3.7 KW / 5 HP — Frame Size 112M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 18	1887	79.6	19300	1.00	EFKA60/79.6/250-28 ERKA60/79.6/250-28
★ 22	1551	65.4	19500	1.30	EFKA60/65.4/250-28 ERKA60/65.4/250-28
★ 26	1290	54.4	19000	1.50	EFKA60/54.4/250-28 ERKA60/54.4/250-28
★ 31	1081	45.6	18700	1.80	EFKA60/45.6/250-28 ERKA60/45.6/250-28
★ 37	910	38.4	18300	2.10	EFKA60/38.4/250-28 ERKA60/38.4/250-28
★ 47	727	30.7	17500	2.70	EFKA60/30.7/250-28 ERKA60/30.7/250-28

INPUT POWER 5.5 KW / 7.5 HP — Frame Size 132S

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 27	1891	54.4	16800	1.10	EFKA60/54.4/300-38 ERKA60/54.4/300-38
★ 32	1584	45.6	16500	1.30	EFKA60/45.6/300-38 ERKA60/45.6/300-38
★ 38	1334	38.4	16300	1.60	EFKA60/38.4/300-38 ERKA60/38.4/300-38
★ 47	1066	30.7	15900	1.90	EFKA60/30.7/300-38 ERKA60/30.7/300-38
56	901	25.9	15600	2.30	EFK60/25.9/300-38 ERK60/25.9/300-38
78	643	18.5	15300	3.10	EFK60/18.5/300-38 ERK60/18.5/300-38
100	507	14.6	14600	3.90	EFK60/14.6/300-38 ERK60/14.6/300-38
123	410	11.8	14000	4.40	EFK60/11.8/300-38 ERK60/11.8/300-38

★ Marked Gearboxes are 3 stage.

INPUT POWER 7.5 KW / 10 HP — Frame Size 132M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 38	1812	38.4	14500	1.10	EFKA60/38.4/300-38 ERKA60/38.4/300-38
★ 48	1449	30.7	14300	1.40	EFKA60/30.7/300-38 ERKA60/30.7/300-38
56	1224	25.9	14100	1.70	EFK60/25.9/300-38 ERK60/25.9/300-38
79	874	18.5	13100	2.40	EFK60/18.5/300-38 ERK60/18.5/300-38
100	689	14.6	12900	2.80	EFK60/14.6/300-38 ERK60/14.6/300-38
123	557	11.8	12700	3.30	EFK60/11.8/300-38 ERK60/11.8/300-38
150	458	9.7	11900	3.90	EFK60/9.70/300-38 ERK60/9.70/300-38
181	381	8.1	11700	4.50	EFK60/8.10/300-38 ERK60/8.10/300-38
216	319	6.8	11100	4.90	EFK60/6.80/300-38 ERK60/6.80/300-38

★ Marked Gearboxes are 3 stage.

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-60

INPUT POWER 11 KW / 15 HP — Frame Size 160M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R4} (N)	f_b (Service Factor)	Model
56	1789	25.9	11400	1.20	EFK60/25.9/350-42 ERK60/25.9/350-42
79	1278	18.5	11400	1.60	EFK60/18.5/350-42 ERK60/18.5/350-42
100	1007	14.6	11300	1.90	EFK60/14.6/350-42 ERK60/14.6/350-42
124	814	11.8	11300	2.30	EFK60/11.8/350-42 ERK60/11.8/350-42
151	669	9.7	11300	2.80	EFK60/9.70/350-42 ERK60/9.70/350-42
181	557	8.1	10800	3.30	EFK60/8.10/350-42 ERK60/8.10/350-42
216	466	6.8	10500	3.80	EFK60/6.80/350-42 ERK60/6.80/350-42
257	392	5.7	10300	4.40	EFK60/5.70/350-42 ERK60/5.70/350-42
322	314	4.5	10200	5.10	EFK60/4.50/350-42 ERK60/4.50/350-42

INPUT POWER 15 KW / 20 HP — Frame Size 160L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R4} (N)	f_b (Service Factor)	Model
79	1743	18.5	9200	1.20	EFK60/18.5/350-42 ERK60/18.5/350-42
100	1373	14.6	9200	1.50	EFK60/14.6/350-42 ERK60/14.6/350-42
124	1111	11.8	9200	1.80	EFK60/11.8/350-42 ERK60/11.8/350-42
151	913	9.7	9100	2.10	EFK60/9.70/350-42 ERK60/9.70/350-42
181	759	8.1	8700	2.50	EFK60/8.10/350-42 ERK60/8.10/350-42
216	636	6.8	8400	2.90	EFK60/6.80/350-42 ERK60/6.80/350-42
257	535	5.7	8200	3.30	EFK60/5.70/350-42 ERK60/5.70/350-42
322	428	4.5	8000	4.00	EFK60/4.50/350-42 ERK60/4.50/350-42
382	360	3.8	7800	4.50	EFK60/3.80/350-42 ERK60/3.80/350-42

INPUT POWER 18.5 KW / 25 HP — Frame Size 180M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R4} (N)	f_b (Service Factor)	Model
80	2127	18.5	7800	1.00	EFK60/18.5/350-48 ERK60/18.5/350-48
101	1677	14.6	8500	1.20	EFK60/14.6/350-48 ERK60/14.6/350-48
125	1356	11.8	8500	1.40	EFK60/11.8/350-48 ERK60/11.8/350-48
152	1114	9.7	8500	1.70	EFK60/9.70/350-48 ERK60/9.70/350-48
183	927	8.1	8500	2.00	EFK60/8.10/350-48 ERK60/8.10/350-48
219	776	6.8	8500	2.40	EFK60/6.80/350-48 ERK60/6.80/350-48
260	653	5.7	8300	2.70	EFK60/5.70/350-48 ERK60/5.70/350-48
325	522	4.5	8300	3.30	EFK60/4.50/350-48 ERK60/4.50/350-48
386	439	3.8	8300	3.70	EFK60/3.80/350-48 ERK60/3.80/350-48

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-80

INPUT POWER 5.5 KW / 7.5 HP — Frame Size 132S

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 14	3700	107.5	30800	1.10	EFKA80/107.5/300-38 ERKA80/107.5/300-38
★ 17	2985	86.7	30800	1.30	EFKA80/86.70/300-38 ERKA80/86.70/300-38
★ 20	2449	71.2	30800	1.50	EFKA80/71.20/300-38 ERKA80/71.20/300-38
★ 25	2032	59.0	30700	1.90	EFKA80/59.00/300-38 ERKA80/59.00/300-38
★ 30	1642	47.7	30700	2.30	EFKA80/47.70/300-38 ERKA80/47.70/300-38
★ 36	1372	39.9	30700	2.80	EFKA80/39.90/300-38 ERKA80/39.90/300-38
★ 43	1151	33.5	30600	3.10	EFKA80/33.50/300-38 ERKA80/33.50/300-38

INPUT POWER 7.5 KW / 10 HP — Frame Size 132M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 17	4057	86.7	30300	1.00	EFKA80/86.7/300-38 ERKA80/86.7/300-38
★ 20	3328	71.2	30300	1.10	EFKA80/71.2/300-38 ERKA80/71.2/300-38
★ 25	2761	59.0	30300	1.40	EFKA80/59.0/300-38 ERKA80/59.0/300-38
★ 31	2231	47.7	30300	1.70	EFKA80/47.7/300-38 ERKA80/47.7/300-38
★ 37	1864	39.9	30300	2.00	EFKA80/39.9/300-38 ERKA80/39.9/300-38
★ 44	1565	33.5	30300	2.40	EFKA80/33.5/300-38 ERKA80/33.5/300-38

★ Marked Gearboxes are 3 stage.

INPUT POWER 11 KW / 15 HP — Frame Size 160M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 25	4035	59.0	30500	1.00	EFKA80/59.0/350-42 ERKA80/59.0/350-42
★ 31	3261	47.7	30500	1.20	EFKA80/47.7/350-42 ERKA80/47.7/350-42
★ 37	2725	39.9	30500	1.40	EFKA80/39.9/350-42 ERKA80/39.9/350-42
★ 44	2287	33.5	30500	1.70	EFKA80/33.5/350-42 ERKA80/33.5/350-42
61	1624	23.8	30500	2.30	EFK80/23.8/350-42 ERK80/23.8/350-42
78	1278	18.7	30400	2.90	EFK80/18.7/350-42 ERK80/18.7/350-42
97	1031	15.1	30300	3.40	EFK80/15.1/350-42 ERK80/15.1/350-42
118	846	12.4	30300	4.00	EFK80/12.4/350-42 ERK80/12.4/350-42
142	702	10.3	30200	4.60	EFK80/10.3/350-42 ERK80/10.3/350-42
176	567	8.3	30200	5.40	EFK80/8.30/350-42 ERK80/8.30/350-42
211	474	6.9	30200	6.00	EFK80/6.90/350-42 ERK80/6.90/350-42

INPUT POWER 15 KW / 20 HP — Frame Size 160L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
★ 37	3716	39.9	30500	1.00	EFKA80/39.9/350-42 ERKA80/39.9/350-42
★ 44	3118	33.5	30500	1.20	EFKA80/33.5/350-42 ERKA80/33.5/350-42
61	2215	23.8	30400	1.70	EFK80/23.8/350-42 ERK80/23.8/350-42
78	1743	18.7	30100	2.20	EFK80/18.7/350-42 ERK80/18.7/350-42
97	1407	15.1	29200	2.40	EFK80/15.1/350-42 ERK80/15.1/350-42
118	1154	12.4	27900	2.70	EFK80/12.4/350-42 ERK80/12.4/350-42
142	957	10.3	27400	3.10	EFK80/10.3/350-42 ERK80/10.3/350-42
176	774	8.3	27100	3.70	EFK80/8.30/350-42 ERK80/8.30/350-42
211	646	6.9	26500	4.20	EFK80/6.90/350-42 ERK80/6.90/350-42
251	542	5.8	26100	4.60	EFK80/5.80/350-42 ERK80/5.80/350-42
357	381	4.1	25600	6.10	EFK80/4.10/350-42 ERK80/4.10/350-42

★ Marked Gearboxes are 3 stage.

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-80

INPUT POWER 18.5 KW / 25 HP — Frame Size 180M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
62	2704	23.8	28700	1.40	EFK80/23.8/350-48 ERK80/23.8/350-48
79	2128	18.7	27500	1.80	EFK80/18.7/350-48 ERK80/18.7/350-48
98	1717	15.1	27200	2.10	EFK80/15.1/350-48 ERK80/15.1/350-48
119	1409	12.4	26800	2.20	EFK80/12.4/350-48 ERK80/12.4/350-48
144	1169	10.3	26800	2.60	EFK80/10.3/350-48 ERK80/10.3/350-48
178	944	8.3	26700	3.10	EFK80/8.30/350-48 ERK80/8.30/350-48
213	789	6.9	26500	3.60	EFK80/6.90/350-48 ERK80/6.90/350-48
253	662	5.8	25700	4.10	EFK80/5.80/350-48 ERK80/5.80/350-48
361	465	4.1	25500	5.20	EFK80/4.10/350-48 ERK80/4.10/350-48
429	391	3.4	24500	5.60	EFK80/3.40/350-48 ERK80/3.40/350-48

INPUT POWER 22 KW / 30 HP — Frame Size 180L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
62	3215	23.8	27200	1.20	EFK80/23.8/350-48 ERK80/23.8/350-48
79	2530	18.7	27000	1.50	EFK80/18.7/350-48 ERK80/18.7/350-48
98	2042	15.1	26800	1.70	EFK80/15.1/350-48 ERK80/15.1/350-48
119	1675	12.4	26300	1.90	EFK80/12.4/350-48 ERK80/12.4/350-48
144	1390	10.3	26100	2.30	EFK80/10.3/350-48 ERK80/10.3/350-48
178	1123	8.3	24500	2.80	EFK80/8.30/350-48 ERK80/8.30/350-48
213	938	6.9	23400	3.20	EFK80/6.90/350-48 ERK80/6.90/350-48
253	788	5.8	23400	3.40	EFK80/5.80/350-48 ERK80/5.80/350-48
361	553	4.1	22900	4.60	EFK80/4.10/350-48 ERK80/4.10/350-48
429	465	3.4	22300	5.00	EFK80/3.40/350-48 ERK80/3.40/350-48

INPUT POWER 30 KW / 40 HP — Frame Size 200L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
79	3451	18.7	22600	1.10	EFK80/18.7/400-55 ERK80/18.7/400-55
98	2784	15.1	22600	1.30	EFK80/15.1/400-55 ERK80/15.1/400-55
119	2284	12.4	21600	1.50	EFK80/12.4/400-55 ERK80/12.4/400-55
144	1895	10.3	21400	1.70	EFK80/10.3/400-55 ERK80/10.3/400-55
178	1532	8.3	21300	2.10	EFK80/8.30/400-55 ERK80/8.30/400-55
213	1279	6.9	20400	2.40	EFK80/6.90/400-55 ERK80/6.90/400-55
253	1074	5.8	20400	2.70	EFK80/5.80/400-55 ERK80/5.80/400-55
361	755	4.1	20400	3.30	EFK80/4.10/400-55 ERK80/4.10/400-55
429	635	3.4	20100	3.80	EFK80/3.40/400-55 ERK80/3.40/400-55

NOTE : All above ratio are also available in Solid Input Shaft

HELICAL GEAR BOX

Power Rating Table

E-90

INPUT POWER 7.5 KW / 10 HP — Frame Size 132M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
★ 8	8792	188.0	40200	0.70	EFKA90/188.0/300-38 ERKA90/188.0/300-38
★ 10	6898	147.5	40600	0.90	EFKA90/147.5/300-38 ERKA90/147.5/300-38
★ 12	5542	118.5	41300	1.10	EFKA90/118.5/300-38 ERKA90/118.5/300-38
★ 15	4526	96.8	41300	1.40	EFKA90/96.80/300-38 ERKA90/96.80/300-38
★ 18	3736	79.9	41300	1.60	EFKA90/79.90/300-38 ERKA90/79.90/300-38
★ 22	3034	64.9	41300	2.00	EFKA90/64.90/300-38 ERKA90/64.90/300-38
★ 27	2521	53.9	41300	2.40	EFKA90/53.90/300-38 ERKA90/53.90/300-38
★ 32	2101	44.9	41300	2.80	EFKA90/44.90/300-38 ERKA90/44.90/300-38
★ 38	1793	38.3	41300	3.20	EFKA90/38.30/300-38 ERKA90/38.30/300-38
★ 46	1494	31.9	41300	3.80	EFKA90/31.90/300-38 ERKA90/31.90/300-38

INPUT POWER 11 KW / 15 HP — Frame Size 160M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
★ 18	5460	79.9	41500	1.10	EFKA90/79.9/350-42 ERKA90/79.9/350-42
★ 23	4435	64.9	41500	1.40	EFKA90/64.9/350-42 ERKA90/64.9/350-42
★ 27	3684	53.9	41500	1.70	EFKA90/53.9/350-42 ERKA90/53.9/350-42
★ 33	3070	44.9	41500	2.00	EFKA90/44.9/350-42 ERKA90/44.9/350-42
★ 38	2620	38.3	41500	2.30	EFKA90/38.3/350-42 ERKA90/38.3/350-42
★ 46	2183	31.9	41500	2.80	EFKA90/31.9/350-42 ERKA90/31.9/350-42

★ Marked Gearboxes are 3 stage.

INPUT POWER 15 KW / 20 HP — Frame Size 160L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
★ 27	5024	53.9	41500	1.20	EFKA90/53.9/350-42 ERKA90/53.9/350-42
★ 33	4187	44.9	41500	1.50	EFKA90/44.9/350-42 ERKA90/44.9/350-42
★ 38	3573	38.3	41500	1.70	EFKA90/38.3/350-42 ERKA90/38.3/350-42
★ 46	2977	31.9	41400	2.10	EFKA90/31.9/350-42 ERKA90/31.9/350-42
54	2504	26.9	41400	2.40	EFK90/26.9/350-42 ERK90/26.9/350-42
69	1964	21.1	41400	2.90	EFK90/21.1/350-42 ERK90/21.1/350-42
86	1578	16.9	41300	3.60	EFK90/16.9/350-42 ERK90/16.9/350-42
106	1289	13.8	40800	4.20	EFK90/13.8/350-42 ERK90/13.8/350-42
128	1064	11.4	40100	5.00	EFK90/11.4/350-42 ERK90/11.4/350-42
158	864	9.3	39500	5.70	EFK90/9.30/350-42 ERK90/9.30/350-42
190	718	7.7	39500	6.20	EFK90/7.70/350-42 ERK90/7.70/350-42

INPUT POWER 18.5 KW / 25 HP — Frame Size 180M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{R2} (N)	f_b (Service Factor)	Model
55	3056	26.9	39200	2.00	EFK90/26.9/350-48 ERK90/26.9/350-48
70	2398	21.1	38800	2.60	EFK90/21.1/350-48 ERK90/21.1/350-48
87	1926	16.9	38800	3.00	EFK90/16.9/350-48 ERK90/16.9/350-48
107	1574	13.8	38300	3.50	EFK90/13.8/350-48 ERK90/13.8/350-48
129	1298	11.4	37900	4.10	EFK90/11.4/350-48 ERK90/11.4/350-48
159	1055	9.3	37700	4.80	EFK90/9.30/350-48 ERK90/9.30/350-48
192	876	7.7	37500	5.40	EFK90/7.70/350-48 ERK90/7.70/350-48
230	731	6.4	37500	6.00	EFK90/6.40/350-48 ERK90/6.40/350-48
269	624	5.5	37500	6.50	EFK90/5.50/350-48 ERK90/5.50/350-48

★ Marked Gearboxes are 3 stage.

HELICAL GEAR BOX

Power Rating Table

E-90

INPUT POWER 22 KW / 30 HP — Frame Size 180L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
55	3635	26.9	40200	1.70	EFK90/26.9/350-48 ERK90/26.9/350-48
70	2851	21.1	40200	2.10	EFK90/21.1/350-48 ERK90/21.1/350-48
87	2291	16.9	40200	2.50	EFK90/16.9/350-48 ERK90/16.9/350-48
107	1871	13.8	39900	2.90	EFK90/13.8/350-48 ERK90/13.8/350-48
129	1544	11.4	39900	3.40	EFK90/11.4/350-48 ERK90/11.4/350-48
159	1254	9.3	38900	4.10	EFK90/9.30/350-48 ERK90/9.30/350-48
192	1042	7.7	38000	4.70	EFK90/7.70/350-48 ERK90/7.70/350-48
230	869	6.4	37400	5.50	EFK90/6.40/350-48 ERK90/6.40/350-48
269	742	5.5	36800	6.00	EFK90/5.50/350-48 ERK90/5.50/350-48
324	617	4.6	36300	6.40	EFK90/4.60/350-48 ERK90/4.60/350-48

INPUT POWER 30 KW / 40 HP — Frame Size 200L

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
87	3124	16.9	35900	1.90	EFK90/16.9/400-55 ERK90/16.9/400-55
107	2552	13.8	35600	2.10	EFK90/13.8/400-55 ERK90/13.8/400-55
129	2105	11.4	34800	2.50	EFK90/11.4/400-55 ERK90/11.4/400-55
159	1711	9.3	34000	3.10	EFK90/9.30/400-55 ERK90/9.30/400-55
192	1421	7.7	33300	3.70	EFK90/7.70/400-55 ERK90/7.70/400-55
230	1185	6.4	32900	4.20	EFK90/6.40/400-55 ERK90/6.40/400-55
269	1011	5.5	32000	4.70	EFK90/5.50/400-55 ERK90/5.50/400-55
324	841	4.6	32000	5.30	EFK90/4.60/400-55 ERK90/4.60/400-55

INPUT POWER 37 KW / 50 HP — Frame Size 225S

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
87	3853	16.9	33800	1.60	EFK90/16.9/450-60 ERK90/16.9/450-60
107	3147	13.8	33400	1.70	EFK90/13.8/450-60 ERK90/13.8/450-60
129	2597	11.4	33400	2.00	EFK90/11.4/450-60 ERK90/11.4/450-60
159	2110	9.3	32800	2.40	EFK90/9.30/450-60 ERK90/9.30/450-60
192	1752	7.7	32200	2.90	EFK90/7.70/450-60 ERK90/7.70/450-60
230	1461	6.4	31600	3.30	EFK90/6.40/450-60 ERK90/6.40/450-60
269	1247	5.5	31100	3.50	EFK90/5.50/450-60 ERK90/5.50/450-60
324	1038	4.6	30800	3.90	EFK90/4.60/450-60 ERK90/4.60/450-60

INPUT POWER 45 KW / 60 HP — Frame Size 225M

n_2 (O/P RPM)	M_2 (Nm)	i_R (Ratio)	F_{Ra} (N)	f_b (Service Factor)	Model
107	3828	13.8	30200	1.40	EFK90/13.8/450-60 ERK90/13.8/450-60
129	3158	11.4	30200	1.70	EFK90/11.4/450-60 ERK90/11.4/450-60
159	2566	9.3	30200	2.10	EFK90/9.30/450-60 ERK90/9.30/450-60
192	2131	7.7	30200	2.50	EFK90/7.70/450-60 ERK90/7.70/450-60
230	1777	6.4	30200	2.80	EFK90/6.40/450-60 ERK90/6.40/450-60
269	1517	5.5	29900	3.10	EFK90/5.50/450-60 ERK90/5.50/450-60
324	1262	4.6	29600	3.40	EFK90/4.60/450-60 ERK90/4.60/450-60

NOTE : All above ratio are also available in Solid Input Shaft

THREE PHASE INDUCTION MOTOR



Three Phase Induction Motor

Power(KW)	Frame Size	Pole	RPM	Efficiency	Mounting
0.75	80	4	1410	IE 2	Flange
1.1	90	4	1410	IE 2	Flange

PLAN

unique mechanical solution

VIJAY GEARS

MINI PLANETARY GEARBOX

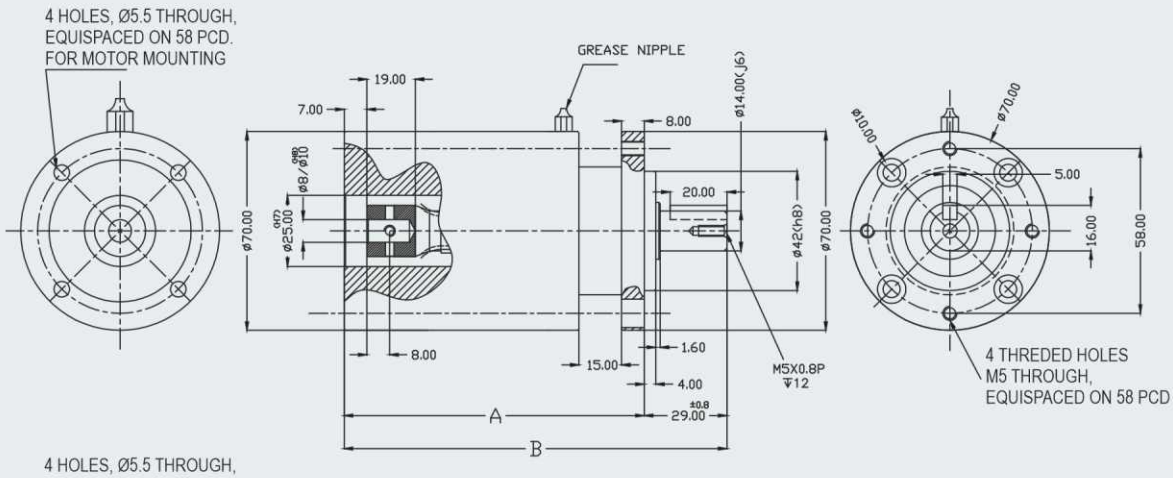
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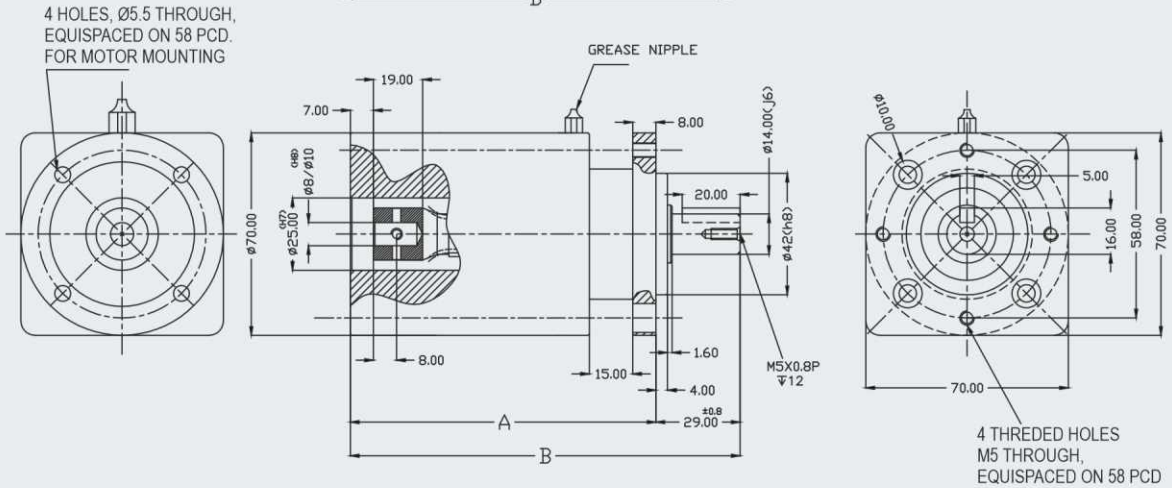

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Serial Number :


VIJAY
GEARS
PMDC MOTOR WITH PLANETARY GEAR BOX
MODEL VP70R61.3BE3112
VOLT : 12V
CURRENT : 14.5A
POWER I/P : 174W
SPEED : 51RPM
POWER O/P : 103W
TORQUE : 17Nm
SR NO:


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Ø70.00
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4 HOLES, Ø5.5 THROUGH,
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FOR MOTOR MOUNTING
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Ø14.00(j6)
Ø8/Ø10
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20.00
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8.00
15.00
1.60
4.00
±0.8
29.00
M5X0.8P
↧12
A
B
Ø10.00
5.00
16.00
58.00
70.00
70.00
4 THREDED HOLES
M5 THROUGH,
EQUISPACED ON 58 PCD



Stages of Gear box			
Parameters	**Single Stage**	**Two Stage**	**Three Stage**
Ratio	3.69:1, 4.5:1	13.6:1, 16.6:1, 20:1	50:1, 61:1, 75:1, 91:1
Torque Capacity	3.2 Nm	14.3 Nm	30 Nm
Noise Level	≤ 62dB	≤ 62dB	≤ 62dB
Backlash	49 Arc minutes	49 Arc minutes	49 Arc minutes
Flange size	Ø70 / 70 x 70	Ø70 / 70 x 70	Ø70 / 70 x 70
Body Length (A)	78.8 $^{+/-1.0}$	92.0 $^{+/-1.0}$	107.0 $^{+/-1.0}$
Total Length (B)	107.0 $^{+/-1.0}$	121.0 $^{+/-1.0}$	136.0 $^{+/-1.0}$

Stages of Gear box	
Parameters	**Four Stage**
Ratio	185:1, 226:1, 336:1, 410:1
Torque Capacity	135 Nm
Noise Level	≤ 62dB
Backlash	49 Arc minutes
Flange size	Ø70 / 70 x 70
Body Length (A)	119.0 $^{+/-1.0}$
Total Length (B)	148.0 $^{+/-1.0}$

Note :
1. Maximum Gear Box Input Speed allowed is 3000 RPM
2. Torque Capacity for the stages above 3 with the dimensions specified, is 30Nm only
3. Torque Capacities specified above for the Stages above 3, are with different dimensions

Introducing Our Upcoming PLANETARY GEARBOXES

VP Series

1 HP to 20 HP

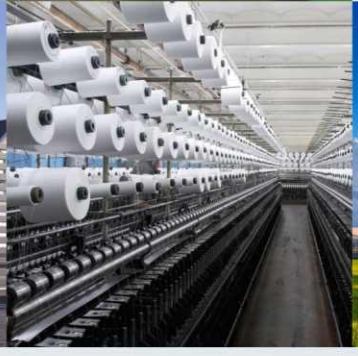


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