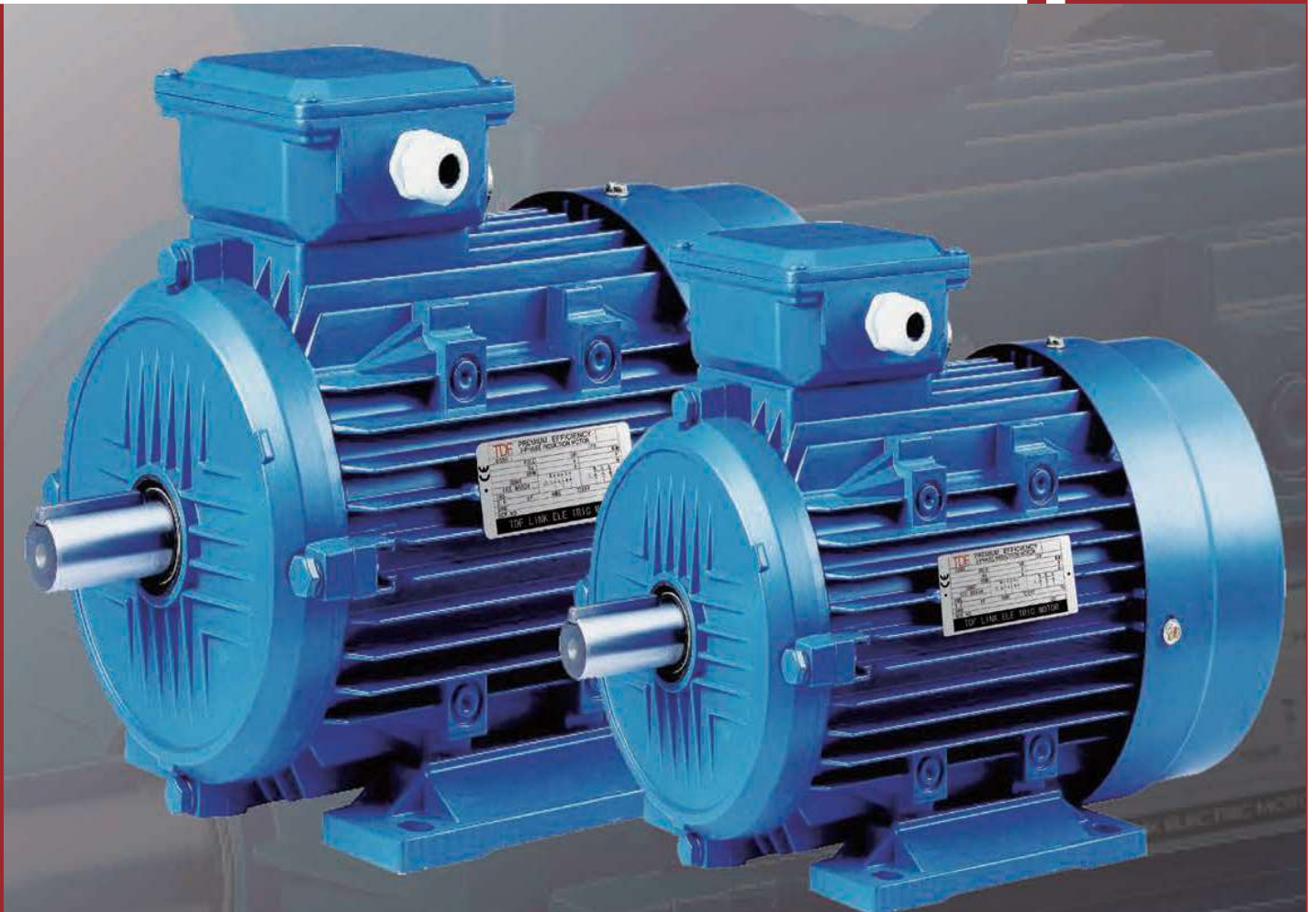




TDF LINK INDUSTRIAL SDN BHD



WHY CHOOSE TDF LINK INDUCTION MOTOR?



1. PRICING

Offers the competitive price on the market Is the most technically advanced Offers more useful features Saves them time and money Offers our users better value per ringgit spent Provides an alternative way to achieve a similar task. Lower our unit costs, achieving higher profits.



2. EXPAND THE MARKETS

Strengthened by a team with combined experience, back up support. Saves them time and money provides an alternative, cost effective way for them to realize a similar goal.



3. STOCK

TDF Link Motor will be stored in your company's warehouse to facilitate your company to pick up the motor anytime. Every end of the month will stock checking and consign a consignment note. Whenever the quantity of TDF Link motor less than 40%, new order immediately to ensure that the company's stock sufficient.



4. PAYMENT TERM

TDF Link can provide a payment term within 30days or 60days upon receive the Purchase order from your company. TDF Links is receive whatever payment type, such as bank online transfer, Touch n go, cash and etc.



5. SERVICE

We have the belief of 'quality first, customer first'. Customer satisfaction is driving force for TDF Link business development. We rely on sincere service, patiently answer and warmly welcome TDF Link "VIP".

COMPANY PROFILE

TDF Link Industrial Sdn Bhd was formed as a partnership in 2021 in Malaysia, by Mr. Sun Yong Chin in response to the following market conditions.

TDF Links Industrial has provided a wide range of technologically advanced, highly reliable and low maintenance induction motor. We have deep knowledge of the needs of industry and the demands placed on productivity, making us leaders in the field. We use that experience and knowledge to provide you with the good ideal induction motor solutions for your business.

Startup opportunities exist in Squirrel Cage Induction motor, the need for use of efficient distribution and financial methods in these overlooked markets.

We have several customers who are willing to place large orders within the next three months. Several other prospective clients have expressed serious interest in doing business within six months.

We previously owned a company that was active in the widget markets. Over the past few years spent much time studying ways to improve overall performance lower your cost and increase profits.



TDF LINK INDUSTRIAL MAIN PRODUCT

TDF2 SERIES MOTOR IS DEVELOPED WITH HIGH EFFICIENCY IN ORDER TO MEET THE REQUIREMENTS OF THE NATIONAL ENERGY EMISSION REDUCTION & CONSERVATION AND MARKET DEMAND. IT HAS MANY ADVANTAGES SUCH AS HIGH EFFICIENCY, LOW NOISE, HIGH TORQUE, GOOD STARTING PERFORMANCE, COMPACT STRUCTURE AND EASY MAINTENANCE.

OUR PRODUCT

- ◆ **TYPE:** SQUIRREL CAGE INDUCTION MOTOR
- ◆ **RATED POWER OUTPUT:** 0.18KW ~ 315KW
- ◆ **STANDARD COLOR:** BLUE
- ◆ **EFFICIENCY CLASSES FROM IE2 UNTIL IE4.**
- ◆ **POLES:** AVAILABLE IN 2,4,6,8 POLE MOTOR
- ◆ **RATED VOLTAGE AND FREQUENCY:** 415V/50HZ
- ◆ **PROTECTION CLASS:** IP55
- ◆ **TYPE OF COOLING:** IC411
- ◆ **STANDARD MOUNTING:** B3,B5,B14 ,B3&B5,V1 AND ETC.
- ◆ **DEGREE OF TEMPERATURE:** -20°C UP TO +60°C
- ◆ **ACCORDING STANDARD EFFICIENCY, PREMIUM EFFICIENCY AND SUPER PREMIUM EFFICIENCY.**
- ◆ **FRAME MATERIAL:**
BELOW 160M(FRAME SIZE) IS ALUMINUM BODY, ABOVE 180M(FRAME SIZE) IS CAST IRON BODY.

INTRODUCING

TDF Link Motor Job Photos



Manufacturer in Factory



INTRODUCING

Store in Malaysia (Butterworth, Penang)



EXCELLENT PRECISION PLASTIC (S) PTE. LTD.

Excellent Precision Plastic was incorporated on 9 February 2009. Their main business is manufacture of plastic precisionengineering parts. Besides that, one of their registered industry code also shows that they involved in general wholesaletrade as general importers and exporters.



SEGMENT: BUILDING SERVICES – FACTORY
APPLICATION/USED IN: CHILLER WATER SYSTEM
LOCATION: SINGAPORE
YEAR OF INSTALLED: 2020

PRODUCT INSTALLED

IE2 High Efficiency 7.5KW Squirrel Cage Induction Motor
 1. TDF2-132S2-2 pole B3&B5 (2 Units)

MAHSING HEALTHCARE

In 2020, Mah Sing once again saw a promising opportunity to diversify into the healthcare industry by venturing intoglove manufacturing. Establishing its first glove manufacturing factory in Kapar, Mah Sing aspires to be one of the top fiveglove producers in Malaysia in the future. MSH (Mah Sing Healthcare) also plans to venture into other healthcare andmedical device related ventures.



SEGMENT: BUILDING SERVICES – FACTORY
APPLICATION/USED IN: CHILLER/PRODUCTION /COOLING TOWER/CHLORINATION SYSTEM
LOCATION: SELANGOR, MALAYSIA
YEAR OF INSTALLED: 2021

PRODUCT INSTALLED

IE2 High Efficiency Squirrel Cage Induction Motor
 1. TDF2-160M2-2 pole 15KW Motor B3&B5 (10 Units)
 2. TDF2-225M-4 pole 45KW Motor B3 (3 Units)

JINKO SOLAR TECHNOLOGY (M) SDN. BHD. (M1)

Jinko Solar is a global leader in the solar industry. Jinko Solar distributes its solar products and sells its solutions and services to a diversified international utility, commercial and residential customer base in China, the United States, Japan, Germany, the United Kingdom, Chile, South Africa, India, Mexico, Brazil, the United Arab Emirates, Italy, Spain, France, Belgium, and other countries and regions. Jinko Solar Technology (M) Sdn. Bhd. is a manufacture base which is located in Penang Malaysia.



SEGMENT: BUILDING SERVICES – FACTORY
APPLICATION/USED IN: HVAC SYSTEM
LOCATION: PENANG, MALAYSIA
YEAR OF INSTALLED: 2021

PRODUCT INSTALLED

IE2 High Efficiency Squirrel Cage Induction Motor

- | | |
|--|---|
| 1. TDF2-355L-4 pole 315kW Motor B3 (3 Units) | 7. TDF2-280M-4 pole 90kW Motor B3 (3 Units) |
| 2. TDF2-315L1-4 pole 160kW Motor B3 (8 Units) | 8. TDF2-280S-4 pole 75kW Motor B3 (3 Units) |
| 3. TDF2-355M-4 pole c/w 250kW Motor B3 (3Units) | 9. TDF2-200L-4 pole 30kW Motor B3 (2 Units) |
| 4. TDF2-250M-4 pole c/w 55kW Motor B3 (10 Units) | 10. TDF2-160L-4 pole 15kW Motor B3 (3 Units) |
| 5. TDF2-225M-4 pole c/w 45kW Motor B3 (3 Units) | 11. TDF2-160M1-2 pole 11kW Motor B3&B5 (3Units) |
| 6. TDF2-180M-4 pole 18.5kW Motor B3 (6 Units) | |

JINKO SOLAR TECHNOLOGY (M) SDN. BHD. (SUZUKI)

Jinko Solar is a global leader in the solar industry. Jinko Solar distributes its solar products and sells its solutions and services to a diversified international utility, commercial and residential customer base in China, the United States, Japan, Germany, the United Kingdom, Chile, South Africa, India, Mexico, Brazil, the United Arab Emirates, Italy, Spain, France, Belgium, and other countries and regions. Jinko Solar Technology (M) Sdn. Bhd. is a manufacture base which is located in Penang Malaysia.



SEGMENT: BUILDING SERVICES – FACTORY
APPLICATION/USED IN: HVAC SYSTEM
LOCATION: PENANG, MALAYSIA
YEAR OF INSTALLED: 2021

PRODUCT INSTALLED

IE2 High Efficiency Squirrel Cage Induction Motor

1. TDF2-315S-4 pole 110kW Motor B3 (3 Units)
2. TDF2-280M-4 pole 90kW Motor B3 (3 Units)
3. TDF2-200L-4 pole 30kW Motor B3 (3 Units)
4. TDF2-180L-4 pole 22kW Motor B3 (5 Units)
5. TDF2-225S-4 pole c/w 37kW Motor B3 (4 Units)

GLOBALFOUNDRIES SINGAPORE PTE. LTD.

GlobalFoundries is one of the world's leading semiconductor manufacturers. GlobalFoundries works collaboratively alongside their customers to bring a broad range of innovative products to market. They redefining innovation and semi - conductor manufacturing by developing feature-rich process technology solutions that provide leadership performance in pervasive high growth markets. GlobalFoundries is delivering a new era of more with their global customer base, talented & diverse workforce and an at-scale manufacturing footprint spanning three continents.



SEGMENT: BUILDING SERVICES – FACTORY
APPLICATION/USED IN: WATER TREATMENT SYSTEM
LOCATION: SINGAPORE
YEAR OF INSTALLED: 2021

PRODUCT INSTALLED

IE3 PREMIUM EFFICIENCY
Squirrel Cage Induction Motor
1. TDF2-180M-2 pole 22kW
Motor V1 (10 Units)

**SPECIAL
DESIGN**

ONETEX SDN. BHD.

Onetexx Sdn. Bhd. is an established manufacturing company in the latex industry. The company main business is gloves manufacturing. Onetexx Sdn. Bhd. is located in Perak, Malaysia.



SEGMENT: BUILDING SERVICES – FACTORY
APPLICATION/USED IN: WASTE WATER TREATMENT
LOCATION: PERAK, MALAYSIA
YEAR OF INSTALLED: 2021

PRODUCT INSTALLED

IE2 High Efficiency Squirrel Cage Induction Motor
1. TDF2-200L-4 pole 30kW MotorB3 (3 Units)

LOCAL MANUFACTURING FACTORY

This factory is an established manufacturing company in the latex industry. Due to the Non-Disclosure Agreement (NDA) which was signed by this manufacturing company, the info of this manufacturing company is established as confidential and protected under legal act. It is only permissible to disclose general info of this manufacturing company.



SEGMENT: BUILDING SERVICES – FACTORY
APPLICATION/USED IN: LATEX TRANSFER
LOCATION: MALAYSIA
YEAR OF INSTALLED: 2021

PRODUCT INSTALLED

IE2 High Efficiency Squirrel Cage Induction Motor
 1. TDF2-160M-4 pole 30kW Motor B3 (1 Units)

COMFORT RUBBER GLOVE BERHAD

Comfort Rubber Gloves Industries Sdn. Bhd. (CRG) was established in 1993 as the glove manufacturing subsidiary of Comfort Gloves Berhad (Formerly known as Integrated Rubber Corporation Berhad) which is listed on the main board of Malaysia's Stock Exchange – Bursa Malaysia Securities Berhad. Located in Taiping, Perak, CRG's factory is equipped with advanced machineries and operations that are capable of producing wide range of quality gloves. Currently CRG's gloves are exported to the North and South America, Oceanic, Middle East, Europe, Africa and Asia-Pacific region.

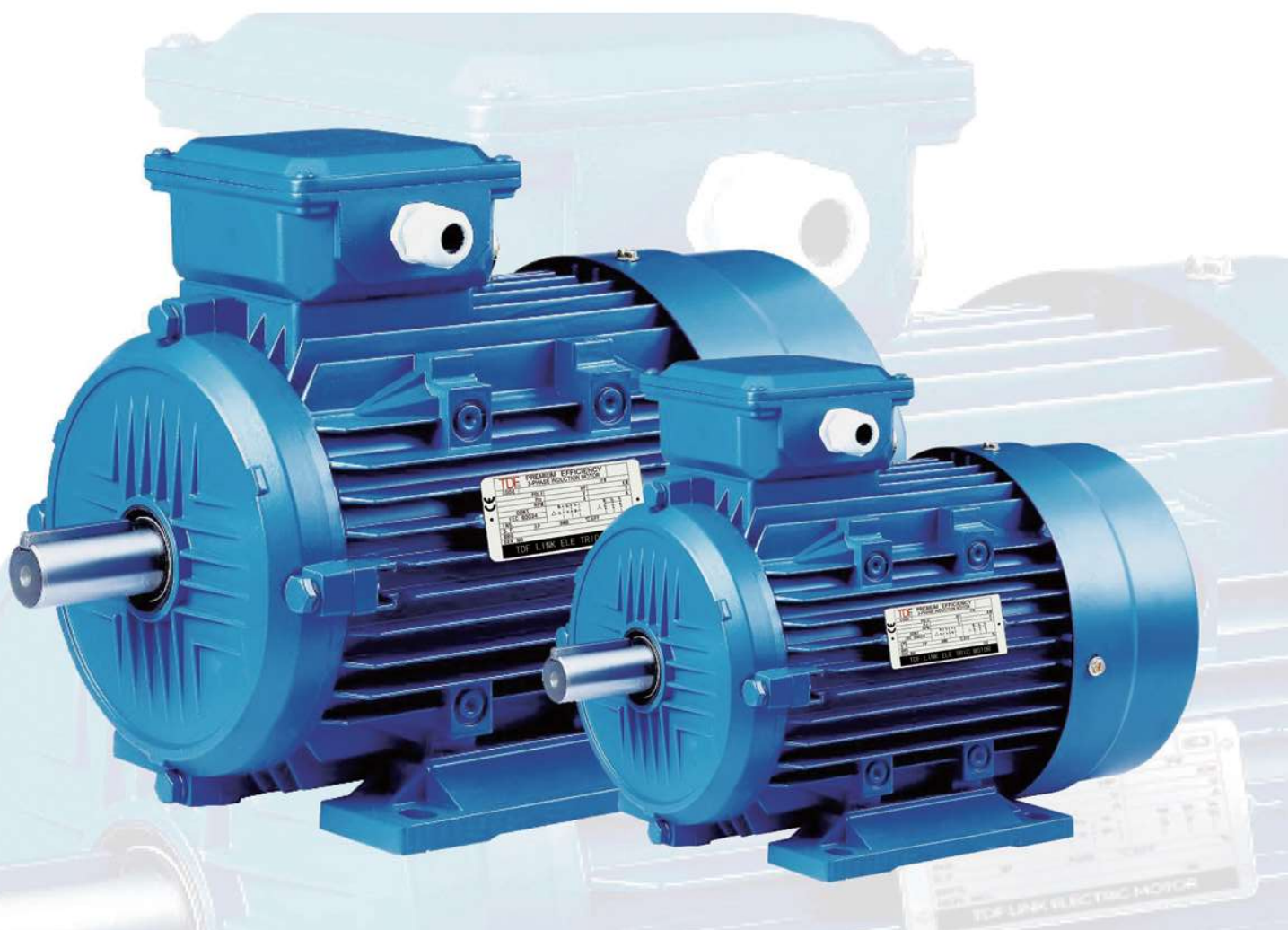


SEGMENT: BUILDING SERVICES – FACTORY
APPLICATION/USED IN: CHILLED WATER PUMP
LOCATION: PERAK, MALAYSIA
YEAR OF INSTALLED: 2021



PRODUCT INSTALLED

IE2 High Efficiency Squirrel Cage Induction Motor
 1. TDF2-132S-2 pole 7.5kW Motor B3&B5 (6 Units)



TDF SERIES

THREE-PHASE ASYNCHRONOUS MOTOR

TOTALLY ENCLOSED FAN-COOLED (TEFC)

Motor Brochure

**TDF2
(IE2)
HIGH
EFFICIENCY**

**TDF3
(IE3)
PREMIUM
EFFICIENCY**

IEC 60034-30-1 standard on efficiency classes for low voltage AC motors.

Machines which are driven by electrical motors consume two third from the overall industrial energy consumption worldwide. This data shows that electrical motors play a significant role if it comes to energy consumption and conservation. Finally, with the concerned of the global harmonization of electrical motors energy efficiency, a standard named IEC/EN 60034-30-1 on efficiency classes of line operated AC motors was published by the International Electrotechnical Commission (IEC) in the year of 2008. This is a uniform standards indicating the efficiency classes for electric motors.

On March 6th 2014, the new version of the standard IEC 60034-30-1:2014 was published, replacing its predecessor IEC 60034-30 from 2008. Compared to previous IEC 60034-30: 2008; it significantly expands the range of products covered with the inclusion of 8-pole motors and introduces IE4 efficiency class for electric motors. The IEC/EN 60034-30-1: 2014 standard defines four IE (International Efficiency) efficiency classes for single speed electric motors that are rated according to IEC 60034-1 or IEC 60079-0 (explosive atmospheres) and designed for operation on sinusoidal voltage.



Efficiency Classes for Induction Motors

IE1	Standard Efficiency
IE2	High Efficiency
IE3	Premium Efficiency
IE4	Super Premium Efficiency

The coverage of IEC 60034-30-1:2014 standard includes:

- ✓ Power range: 0.12 – 1,000 kW
- ✓ Voltage range: low-voltage up to 1,000 V
- ✓ Frequency: 50 and 60 Hz
- ✓ Number of poles: 2, 4, 6, 8 poles
- ✓ Degree of protection: all type of protection
- ✓ Duty: S1 (permanent operation with constant load), motors, that are designed for different operating modes but can still be operated permanently.
- ✓ Motors with two switchable voltage ratings (as long as the magnetic flux at both voltage ratings is equal).
- ✓ Degree of temperature: -10°C up to +40°C
- ✓ Altitude: Up to <1,000 m above sea level

The exceptions :

- ✗ Motors for a speed of 10 or more poles, and motors that are designed for variable speed.
- ✗ Motors with mechanical commutators (e.g. DC-motors).
- ✗ Motors, that are completely integrated into a machine (e.g. pumps, fans etc.) and simply cannot be tested on their own.
- ✗ Motors with integrated frequency converters (compact-drives), if the motor cannot be tested separately from the converter (defined in a separate norm).
- ✗ Submersible motor, which are especially designed to be operated completely immersed in liquid.
- ✗ Explosion-proof motors and break motors.

Minimum 50 Hz Efficiency [according to IEC/EN 60034-30-1:2014, IEC 60034-2-1:2014]																
Power kW	IE1 (Standard Efficiency)				IE2 (High Efficiency)				IE3 (Premium Efficiency)				IE4 (Super Premium Efficiency)			
DIN (polig)	2	4	6	8	2	4	6	8	2	4	6	8	2	4	6	8
0,12	45	50	38,3	31	53,6	591	50,6	39,8	60,8	64,8	57,7	50,7	66,5	69,8	64,9	62,3
0,18	52,8	57	45,5	38	60,4	647	56,6	45,9	65,9	69,9	63,9	58,7	70,8	74,7	70,1	67,2
0,2	54,6	58,5	47,6	39,7	61,9	659	58,2	47,4	67,2	71,1	65,4	60,6	71,9	75,8	71,4	68,4
0,25	58,2	61,5	52,1	43,4	64,8	685	61,6	50,6	69,7	73,5	68,6	64,1	74,3	77,9	74,1	70,8
0,37	63,9	66	59,7	49,7	69,5	727	67,6	56,1	73,8	77,3	73,5	69,3	78,1	81,1	78	74,3
0,4	64,9	66,8	61,1	50,9	70,4	735	68,8	57,2	74,6	78	74,4	70,1	78,9	81,7	78,7	74,9
0,55	69	70	65,8	56,1	74,1	771	73,1	61,7	77,8	80,8	77,2	73	81,5	83,9	80,9	77
0,75	72,1	72,1	70	61,2	77,4	796	75,9	66,2	80,7	82,5	78,9	75	83,5	85,7	82,7	78,4
1,1	75	75	72,9	66,5	79,6	814	78,1	70,8	82,7	84,1	81	77,7	85,2	87,2	84,5	80,8
1,5	77,2	77,2	75,2	70,2	81,3	828	79,8	74,1	84,2	85,3	82,5	79,7	86,5	88,2	85,9	82,6
2,2	79,7	79,7	77,7	74,2	83,2	843	81,8	77,6	85,9	86,7	84,3	81,9	88	89,5	87,4	84,5
3	81,5	81,5	79,7	77	84,6	855	83,3	80	87,1	87,7	85,6	83,5	89,1	90,4	88,6	85,9
4	83,1	83,1	81,4	79,2	85,8	866	84,6	81,9	88,1	88,6	86,8	84,8	90	91,1	89,5	87,1
5,5	84,7	84,7	83,1	81,4	87	877	86	83,8	89,2	89,6	88	86,2	90,9	91,9	90,5	88,3
7,5	86	86	84,7	83,1	88,1	887	87,2	85,3	90,1	90,4	89,1	87,3	91,7	92,6	91,3	89,3
11	87,6	87,6	86,4	85	89,4	898	88,7	86,9	91,2	91,4	90,3	88,6	92,6	93,3	92,3	90,4
15	88,7	88,7	87,7	86,2	90,3	906	89,7	88	91,9	92,1	91,2	89,6	93,3	93,9	92,9	91,2
18,5	89,3	89,3	88,6	86,9	90,9	912	90,4	88,6	92,4	92,6	91,7	90,1	93,7	94,2	93,4	91,7
22	89,9	89,9	89,2	87,4	91,3	916	90,9	89,1	92,7	93	92,2	90,6	94	94,5	93,7	92,1
30	90,7	90,7	90,2	88,3	92	923	91,7	89,8	93,3	93,6	92,9	91,3	94,5	94,9	94,2	92,7
37	91,2	91,2	90,8	88,8	92,5	927	92,2	90,3	93,7	93,9	93,3	91,8	94,8	95,2	94,5	93,1
45	91,7	91,7	91,4	89,2	92,9	931	92,7	90,7	94	94,2	93,7	92,2	95	95,4	94,8	93,4
55	92,1	92,1	91,9	89,7	93,2	935	93,1	91	94,3	94,6	94,1	92,5	95,3	95,7	95,1	93,7
75	92,7	92,7	92,6	90,3	93,8	940	93,7	91,6	94,7	95	94,6	93,1	95,6	96	95,4	94,2
90	93	93	92,9	90,7	94,1	942	94	91,9	95	95,2	94,9	93,4	95,8	96,1	95,6	94,4
110	93,3	93,3	93,3	91,1	94,3	945	94,3	92,3	95,2	95,4	95,1	93,7	96	96,3	95,8	94,7
132	93,5	93,5	93,5	91,5	94,6	947	94,6	92,6	95,4	95,6	95,4	94	96,2	96,4	96	94,9
160	93,8	93,8	93,8	91,9	94,8	949	94,8	93	95,6	95,8	95,6	94,3	96,3	96,6	96,2	95,1
200	94	94	94	92,5	95	95,1	95	93,5	95,8	96	95,8	94,6	96,5	96,7	96,3	95,4
250	94	94	94	92,5	95	95,1	95	93,5	95,8	96	95,8	94,6	96,5	96,7	96,5	95,4
315	94	94	94	92,5	95	95,1	95	93,5	95,8	96	95,8	94,6	96,5	96,7	96,6	95,4
355	94	94	94	92,5	95	95,1	95	93,5	95,8	96	95,8	94,6	96,5	96,7	96,6	95,4
400	94	94	94	92,5	95	95,1	95	93,5	95,8	96	95,8	94,6	96,5	96,7	96,6	95,4
450	94	94	94	92,5	95	95,1	95	93,5	95,8	96	95,8	94,6	96,5	96,7	96,6	95,4
500-1000	94	94	94	92,5	95	95,1	95	93,5	95,8	96	95,8	94,6	96,5	96,7	96,6	95,4

Specification

Electrical Design

Type: Squirrel Cage Induction Motor

Ratings: 0.18kW – 375kW

Duty Ratings:

All motors have a maximum continuous duty rating of S1 under rated load.

Supply Voltage:

2.2kW and below: 220~240V/380~415V 3 Phase /50Hz

3kW and above: 380~415V 3 Phase /50Hz

Insulation System:

All motors are design with class F insulation and class B temperature rise at ambient temperature of 40°C.

Inverter Duty:

All motors are design to be suitable for inverter use.

Mechanical Design

Type: Squirrel Cage Induction Motor

Frame Size: 80M to 355C

Enclosure: Totally Enclosed Fan Cooled (TEFC), Totally Enclosed Non Ventilated (TENV)

Ingress Protection:

Stock motors are design to meet Ingress Protection of IP55.

Drive Method:

Stock motors are design for both Direct Coupling and Belt Drive use from frame size 80M to 250M. However, for 2 Pole motor design for both direct coupling and belt drive is from frame size 80M to 200L only.

Bearings:

High Quality Deep Groove Ball Sealed Bearings are use for our stock motor from frame size 80 to 225M and Vacuum De-Gassed High Quality Deep Groove Ball Open Bearings are use for stock motor from frame Size 250M to 355C.

Lubrication:

Both our sealed and open type bearing are grease lubricated.

Construction:

Frame: High Grade Cast Iron

End Bracket: High Grade Cast Iron

External Fan: Polypropylene

Fan Cover: Pressed Steel

Shaft: Carbon Steel

Lead: 6 Leads

Iron Core: High Grade, Insulated, Cold Rolled

TDF		PREMIUM EFFICIENCY		IE3
3-PHASE INDUCTION MOTOR				
CODE		F#		
POLE		HP		KW
Hz		V		V
RPM		A		A
CONT.				
IEC 60034				
INS.				
S.F.	IP	AMB	°C	EFF %
BRG.				
SER. NO.				20
TDF LINK ELECTRIC MOTOR				

Motor Identification Plate

Terminal Box:

Stock motor are fitted with pressed steel T-Box for Frame 80M to 180M and cast iron T-Box for Frame 200L to 355M. T-Box are designed for provision of rotation by 90° to every direction that enable cable entry from 4 directions.

Lifting Device:

All motor from Frame Size 90 and above comes with dual eye bolt for lifting purposes.

Connection Diagram

Direct-On-Line:

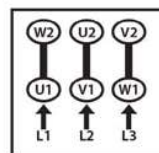
For motor rating 2.2kW and below:

Low Voltage: 220~240V

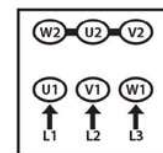
High Voltage: 380~415V

For motor rating 3kW and above:

Low Voltage: 380~415V



Δ Connection

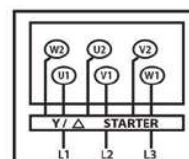


Y Connection

Star-Delta:

Connect U1,V1,W1,U2,V2 & W2 to Star-Delta starter panel.

Power Supply Voltage (L1,L2,L3) to be connected to voltage indicated in Delta configuration column on the motor nameplate.



Star-Delta Connection



TDF2

Series High Efficiency Three Phase Asynchronous Motor

TDF2 series motor is developed with high efficiency in order to meet the requirements of the national energy emission reduction & conservation and market demand. It has many advantages such as high efficiency, low noise, high torque, good starting performance, compact structure and easy maintenance. It has been widely used in various fields of national economy such as machine tool, compressor, pump, fan industries, mixing, printing, agricultural machinery, food industry and many other industries where the application is not involving any flammable or corrosive gases.

Technical Parameters

1. Basic Feature

- Center Height of Frame Size: 63 – 355mm
- Power Range: 0.12kW – 315kW
- Rated Voltage and Frequency: 415V/50Hz
- Protection Class: IP55
- Insulation Class: 155(F)
- Duty Type: S1 (Continuous), Allow Starting at Full Voltage
- Type of Cooling: IC411
- Terminal Connection: Star Connection - Motor Power ≤3kW | Delta Connection - Motor Power >3kW

2. Condition of Usage

- Working Ambient Temperature: -15 – 40°C
- Altitude: <1000m

Model Code



IE2 Performance Data

Speed 3000RPM (2 Pole)

50HZ

TDF2 Series

Type	Rated Output		Rated Speed rpm	Efficiency η (%) Load	Power factor $\cos \varphi$	In (A)	Is/In	Ts/Tn	Tmax/Tn
	kW	HP							
TDF2-63M1-2	0.18	0.25	2730	60.4	0.80	0.6	8.8	2.3	2.2
TDF2-63M2-2	0.25	0.35	2730	64.8	0.81	0.7	9.6	2.3	2.2
TDF2-71M1-2	0.37	0.5	2750	69.5	0.81	1.0	9.6	2.3	2.2
TDF2-71M2-2	0.55	0.75	2750	74.1	0.82	1.4	9.6	2.3	2.2
TDF2-80M1-2	0.75	1.0	2850	77.4	0.82	1.8	8.9	2.3	2.2
TDF2-80M2-2	1.1	1.5	2850	79.6	0.83	2.5	8.2	2.3	2.2
TDF2-90S-2	1.5	2.0	2860	81.3	0.84	3.3	8.5	2.2	2.2
TDF2-90L-2	2.2	3.0	2860	83.2	0.85	4.7	8.2	2.2	2.2
TDF2-100L-2	3.0	4.0	2880	84.6	0.87	6.2	8.5	2.2	2.2
TDF2-112M-2	4.0	5.5	2890	85.8	0.88	8.0	8.8	2.2	2.2
TDF2-132S1-2	5.5	7.5	2900	87	0.88	10.9	8.2	2.2	2.2
TDF2-132S2-2	7.5	10	2900	88.1	0.89	14.5	7.8	2.2	2.2
TDF2-160M1-2	11	15	2930	89.4	0.89	21.0	7.9	2.2	2.2
TDF2-160M2-2	15	20	2930	90.3	0.89	28.4	8.0	2.2	2.2
TDF2-160L-2	18.5	25	2930	90.9	0.89	34.7	8.0	2.2	2.2
TDF2-180M-2	22	30	2950	91.3	0.89	41.1	8.0	2.2	2.2
TDF2-200L1-2	30	40	2950	92	0.89	55.7	7.5	2.0	2.2
TDF2-200L2-2	37	50	2950	92.5	0.89	68.3	7.5	2.0	2.2
TDF2-225M-2	45	60	2960	92.9	0.89	82.7	7.5	2.2	2.2
TDF2-250M-2	55	75	2960	93.2	0.89	100.7	7.5	2.2	2.2
TDF2-280S-2	75	100	2970	93.8	0.89	136	6.9	1.8	2.2
TDF2-280M-2	90	125	2970	94.1	0.89	163	6.9	1.8	2.2
TDF2-315S-2	110	150	2980	94.3	0.90	197	7.0	1.8	2.2
TDF2-315M-2	132	175	2980	94.6	0.90	236	7.1	1.8	2.2
TDF2-315L1-2	160	215	2980	94.8	0.91	282	7.2	1.8	2.2
TDF2-315L2-2	200	270	2980	95	0.91	351	7.2	1.8	2.2
TDF2-355M-2	250	335	2985	95	0.91	439	7.2	1.8	2.2
TDF2-355L-2	315	420	2985	95	0.91	554	7.2	1.6	2.2

IE2 Performance Data

Speed 1500RPM (4 Pole)

50HZ

TDF2 Series

Type	Rated Output		Rated Speed rpm	Efficiency η (%) Load	Power factor $\cos \phi$	In (A)	Is/In	Ts/Tn	Tmax/Tn
	kW	HP							
TDF2-63M1-4	0.12	0.16	1320	59.1	0.72	0.43	7.8	2.1	2.2
TDF2-63M2-4	0.18	0.25	1320	64.7	0.73	0.58	8.6	2.1	2.2
TDF2-71M1-4	0.25	0.35	1340	68.5	0.74	0.75	9.0	2.1	2.2
TDF2-71M2-4	0.37	0.5	1340	72.7	0.75	1.03	9.5	2.1	2.2
TDF2-80M1-4	0.55	0.75	1390	77.1	/	1.45	9.0	2.4	2.3
TDF2-80M2-4	0.75	1.0	1390	79.6	0.76	1.9	8.5	2.3	2.3
TDF2-90S-4	1.1	1.5	1400	81.4	0.77	2.7	7.8	2.3	2.3
TDF2-90L-4	1.5	2.0	1400	82.8	0.78	3.5	8.0	2.3	2.3
TDF2-100L1-4	2.2	3.0	1420	84.3	0.80	5	7.8	2.3	2.3
TDF2-100L2-4	3.0	4.0	1420	85.5	0.81	6.6	8.0	2.3	2.3
TDF2-112M-4	4.0	5.5	1430	86.6	0.81	8.7	8.0	/	2.3
TDF2-132S-4	5.5	7.5	1450	87.7	0.82	11.6	7.7	2.0	2.3
TDF2-132M-4	7.5	10	1450	88.7	0.83	15.5	7.3	2.0	2.3
TDF2-160M-4	11	15	1460	89.8	0.83	22.4	7.4	2.0	2.3
TDF2-160L-4	15	20	1460	90.6	0.84	29.9	7.6	2.0	2.3
TDF2-180M-4	18.5	25	1470	91.2	0.85	36.3	7.7	2.0	2.3
TDF2-180L-4	22	30	1470	91.6	0.85	42.9	7.7	2.1	2.3
TDF2-200L-4	30	40	1470	92.3	0.85	58.1	7.1	2.1	2.3
TDF2-225S-4	37	50	1480	92.7	0.86	70.5	7.3	2.1	2.3
TDF2-225M-4	45	60	1480	93.1	0.86	85.4	7.3	2.2	2.3
TDF2-250M-4	55	75	1480	93.5	0.86	104	7.3	2.2	2.3
TDF2-280S-4	75	100	1480	94	0.87	139	6.8	2.2	2.3
TDF2-280M-4	90	125	1480	94.2	0.88	165	6.9	2.2	2.3
TDF2-315S-4	110	150	1490	94.5	0.89	199	7.0	2.1	2.2
TDF2-315M-4	132	175	1490	94.7	0.89	238	7.0	2.1	2.2
TDF2-315L1-4	160	215	1490	94.9	0.90	285	7.1	2.1	2.2
TDF2-315L2-4	200	270	1490	95.1	0.90	355	7.1	2.1	2.2
TDF2-355M-4	250	335	1490	95.1	0.90	444	7.1	2.0	2.2
TDF2-355L-4	315	420	1490	95.1	0.90	559	7.1	2.0	2.2

IE2 Performance Data

Speed 1000RPM (6 Pole)

50HZ

TDF2 Series

Type	Rated Output		Rated Speed rpm	Efficiency η (%) Load	Power factor $\cos \varphi$	In (A)	Is/In	Ts/Tn	Tmax/Tn
	kW	HP							
TDF2-71M1-6	0.18	0.25	860	56.6	0.66	0.73	6.8	1.9	2.0
TDF2-71M2-6	0.25	0.35	860	61.6	0.68	0.91	7.6	1.9	2.0
TDF2-80M1-6	0.37	0.5	890	67.6	0.70	1.19	7.9	1.9	2.0
TDF2-80M2-6	0.55	0.75	890	73.1	0.72	1.59	7.9	1.9	2.1
TDF2-90S-6	0.75	1.0	910	75.9	0.72	2.1	7.0	2.0	2.1
TDF2-90L-6	1.1	1.5	910	78.1	0.72	3	7.0	2.0	2.1
TDF2-100L-6	1.5	2.0	930	79.8	0.72	4	7.0	2.0	2.1
TDF2-112M-6	2.2	3.0	940	81.8	0.72	5.7	6.8	2.0	2.1
TDF2-132S-6	3.0	4.0	960	83.3	0.72	7.6	7.0	2.0	2.1
TDF2-132M1-6	4.0	5.5	960	84.6	0.74	9.7	7.2	2.0	2.1
TDF2-132M2-6	5.5	7.5	960	86	0.75	13	6.9	2.0	2.1
TDF2-160M-6	7.5	10	970	87.2	0.78	16.8	6.7	2.0	2.1
TDF2-160L-6	11	15	970	88.7	0.79	23.9	7.0	2.0	2.1
TDF2-180L-6	15	20	980	89.7	0.82	31	7.3	2.0	2.1
TDF2-200L1-6	18.5	25	980	90.4	0.80	38.9	7.2	2.0	2.1
TDF2-200L2-6	22	30	980	90.9	0.81	45.4	7.3	2.0	2.1
TDF2-225M-6	30	40	980	91.7	0.82	60.6	6.8	2.0	2.1
TDF2-250M-6	37	50	985	92.2	0.83	73.5	7.0	2.0	2.1
TDF2-280S-6	45	60	985	92.7	0.85	86.8	7.1	2.0	2.0
TDF2-280M-6	55	75	985	93.1	0.86	104	7.3	2.0	2.0
TDF2-315S-6	75	100	990	93.7	0.84	145	6.5	2.0	2.0
TDF2-315M-6	90	125	990	94	0.85	171	6.6	2.0	2.0
TDF2-315L1-6	110	150	990	94.3	0.85	209	6.6	2.0	2.0
TDF2-315L2-6	132	175	990	94.6	0.86	247	6.7	2.0	2.0
TDF2-355M1-6	160	215	990	94.8	0.86	298	6.8	2.0	2.0
TDF2-355M2-6	200	270	990	95	0.86	372	6.8	2.0	2.0
TDF2-355L-6	250	335	990	95	0.86	465	6.8	2.0	2.0

IE2 Performance Data

Speed 750RPM (8 Pole)

50HZ

TDF2 Series

Type	Rated Output		Rated Speed rpm	Efficiency η (%) Load	Power factor $\cos \phi$	In (A)	Is/In	Ts/Tn	Tmax/Tn
	kW	HP							
TDF2-80M1-8	0.18	0.25	640	45.9	0.61	1.0	5.1	1.8	1.9
TDF2-80M2-8	0.25	0.35	640	50.6	0.61	1.2	5.5	1.8	1.9
TDF2-90S-8	0.37	0.5	660	56.1	0.61	1.6	6	1.8	1.9
TDF2-90L-8	0.55	0.75	660	61.7	0.61	2.2	5.8	1.8	2.0
TDF2-100L1-8	0.75	1.0	690	66.2	0.67	2.6	6.1	1.8	2.0
TDF2-100L2-8	1.1	1.5	690	70.8	0.69	3.4	6.1	1.8	2.0
TDF2-112M-8	1.5	2.0	690	74.1	0.7	4.4	6.4	1.8	2.0
TDF2-132S-8	2.2	3.0	710	77.6	0.71	6.1	6.4	1.8	2.0
TDF2-132M-8	3.0	4.0	710	80	0.73	7.8	6.8	1.8	2.0
TDF2-160M1-8	4.0	5.5	720	81.9	0.73	10.2	6.8	1.9	2.0
TDF2-160M2-8	5.5	7.5	720	83.8	0.74	13.5	6.7	1.9	2.0
TDF2-160L-8	7.5	10	720	85.3	0.75	17.8	6.4	1.9	2.0
TDF2-180L-8	11	15	730	86.9	0.75	25.6	6.5	2.0	2.0
TDF2-200L-8	15	20	730	88	0.76	34.1	6.6	2.0	2.0
TDF2-225S-8	18.5	25	735	88.6	0.76	41.7	6.6	1.9	2.0
TDF2-225M-8	22	30	735	89.1	0.78	48.1	6.9	1.9	2.0
TDF2-250M-8	30	40	735	89.8	0.79	64.3	6.5	1.9	2.0
TDF2-280S-8	37	50	740	90.3	0.79	78.8	6.5	1.9	2.0
TDF2-280M-8	45	60	740	90.7	0.79	95.4	6.5	1.9	2.0
TDF2-315S-8	55	75	740	91	0.81	113.4	6.7	1.8	2.0
TDF2-315M-8	75	100	740	91.6	0.81	154	6.1	1.8	2.0
TDF2-315L1-8	90	125	740	91.9	0.82	181	6.2	1.8	2.0
TDF2-315L2-8	110	150	740	92.3	0.82	221	6.3	1.8	2.0
TDF2-355M1-8	132	175	740	92.6	0.82	264	6.3	1.8	2.0
TDF2-355M2-8	160	215	740	93	0.82	319	6.3	1.8	2.0
TDF2-355L-8	200	270	740	93.5	0.83	392	6.3	1.8	2.0



TDF3

Series Premium Efficiency Three Phase Asynchronous Motor

TDF3 series motor is developed with premium efficiency in order to meet the requirements of the national energy emission reduction & conservation and market demand. It has many advantages such as premium efficiency, low noise, high torque and good starting performance. It has been widely used in various fields of national economy of no special requirement such as machine tool, compressor, pump, fan industries, mixing, printing, agricultural machinery, food industry and many other industries where the application is not involving any flammable or corrosive gases.

Technical Parameters

1. Basic Feature

- Center Height of Frame Size: 80 – 355mm
- Power Range: 0.55kW – 375kW
- Rated Voltage and Frequency: 415V/50Hz
- Protection Class: IP55
- Insulation Class: 155(F)
- Duty Type: S1 (Continuous), Allow Starting at Full Voltage
- Type of Cooling: IC411
- Terminal Connection: Star Connection - Motor Power $\leq 3\text{kW}$ | Delta Connection - Motor Power $> 3\text{kW}$

2. Condition of Usage

- Working Ambient Temperature: $-15 - 40^{\circ}\text{C}$
- Altitude: $< 1000\text{m}$

Model Code



IE3 Performance Data

Speed 3000RPM (2 Pole)

50HZ

TDF3 Series

Type	Rated Output		Rated Speed rpm	Efficiency η (%) Load	Power factor $\cos \phi$	In (A)	Is/In	Ts/Tn	Tmax/Tn
	kW	HP							
TDF3-80M1-2	0.75	1.0	2830	80.7	0.82	1.72	7	2.3	2.3
TDF3-80M2-2	1.1	1.5	2830	82.7	0.83	2.43	7.3	2.2	2.3
TDF3-90S-2	1.5	2.0	2840	84.2	0.84	3.22	7.6	2.2	2.3
TDF3-90L-2	2.2	3.0	2840	85.9	0.85	4.58	7.6	2.2	2.3
TDF3-100L-2	3.0	4.0	2870	87.1	0.87	6.02	7.8	2.2	2.3
TDF3-112M-2	4.0	5.5	2890	88.1	0.88	7.84	8.3	2.3	2.3
TDF3-132S1-2	5.5	7.5	2900	89.2	0.88	10.6	8.3	2	2.3
TDF3-132S2-2	7.5	10	2900	90.1	0.88	14.4	7.9	2	2.3
TDF3-160M1-2	11	15	2930	91.2	0.89	20.6	8.1	2	2.3
TDF3-160M2-2	15	20	2930	91.9	0.89	27.9	8.1	2	2.3
TDF3-160L-2	18.5	25	2930	92.4	0.89	34.2	8.2	2	2.3
TDF3-180M-2	22	30	2940	92.7	0.89	40.5	8.2	2	2.3
TDF3-200L1-2	30	40	2950	93.3	0.89	54.9	7.6	2	2.3
TDF3-200L2-2	37	50	2950	93.7	0.89	67.4	7.6	2	2.3
TDF3-225M-2	45	60	2970	94	0.90	80.8	7.7	2	2.3
TDF3-250M-2	55	75	2970	94.3	0.90	98.5	7.7	2	2.3
TDF3-280S-2	75	100	2970	94.7	0.90	133.7	7.1	1.8	2.3
TDF3-280M-2	90	125	2970	95	0.90	159.9	7.1	1.8	2.3
TDF3-315S-2	110	150	2970	95.2	0.90	195.1	7.1	1.8	2.3
TDF3-315M-2	132	175	2980	95.4	0.90	233.6	7.1	1.8	2.3
TDF3-315L1-2	160	215	2980	95.6	0.91	279.4	7.1	1.8	2.3
TDF3-315L2-2	200	270	2980	95.8	0.91	348.6	7.1	1.8	2.3
TDF3-355M-2	250	335	2980	95.8	0.91	435.7	7.2	1.6	2.2
TDF3-355L-2	315	420	2980	95.8	0.91	549	7.2	1.6	2.2
TDF3-355L1-2	355	420	2980	95.8	0.91	618.7	7.2	1.6	2.2
TDF3-355L2-2	375	420	2980	95.8	0.91	653.6	7.2	1.6	2.2

IE3 Performance Data

Speed 1500RPM (4 Pole)

50HZ

TDF3 Series

Type	Rated Output		Rated Speed rpm	Efficiency η (%) Load	Power factor $\cos \varphi$	In (A)	Is/In	Ts/Tn	Tmax/Tn
	kW	HP							
TDF3-80M2-4	0.75	1.0	1390	82.5	0.75	1.84	6.6	2.3	2.3
TDF3-90S-4	1.1	1.5	1400	84.1	0.76	2.61	6.8	2.3	2.3
TDF3-90L-4	1.5	2.0	1400	85.3	0.77	3.47	7.0	2.3	2.3
TDF3-100L1-4	2.2	3.0	1430	86.7	0.81	4.76	7.6	2.3	2.3
TDF3-100L2-4	3.0	4.0	1430	87.7	0.82	6.34	7.6	2.3	2.3
TDF3-112M-4	4.0	5.5	1440	88.6	0.82	8.37	7.8	2.2	2.3
TDF3-132S-4	5.5	7.5	1440	89.6	0.83	11.2	7.9	2.0	2.3
TDF3-132M-4	7.5	10	1440	90.4	0.84	15	7.5	2.0	2.3
TDF3-160M-4	11	15	1460	91.4	0.85	21.5	7.7	2.2	2.3
TDF3-160L-4	15	20	1460	92.1	0.86	28.8	7.8	2.2	2.3
TDF3-180M-4	18.5	25	1470	92.6	0.86	35.3	7.8	2.2	2.3
TDF3-180L-4	22	30	1470	93	0.86	41.8	7.8	2.2	2.3
TDF3-200L-4	30	40	1470	93.6	0.86	56.6	7.3	2.0	2.3
TDF3-225S-4	37	50	1480	93.9	0.86	69.6	7.4	2.0	2.3
TDF3-225M-4	45	60	1480	94.2	0.86	84.4	7.4	2.0	2.3
TDF3-250M-4	55	75	1480	94.6	0.86	102.7	7.4	2.0	2.3
TDF3-280S-4	75	100	1480	95	0.88	136.3	6.7	2.0	2.3
TDF3-280M-4	90	125	1490	95.2	0.88	163.2	6.9	2.0	2.3
TDF3-315S-4	110	150	1490	95.4	0.89	196.8	7.0	2.0	2.2
TDF3-315M-4	132	175	1490	95.6	0.89	235.7	7.0	2.0	2.2
TDF3-315L1-4	160	215	1490	95.8	0.89	285.1	7.1	2.0	2.2
TDF3-315L2-4	200	270	1490	96	0.9	351.7	7.1	2.0	2.2
TDF3-355M-4	250	335	1485	96	0.9	439.6	7.1	2.0	2.2
TDF3-355L-4	315	420	1485	96	0.9	553.9	7.1	2.0	2.2
TDF3-3551-4	355	420	1485	96	0.88	638.5	7.0	1.7	2.2
TDF3-3552-4	375	420	1485	96	0.88	674.4	7.0	1.7	2.2

IE3 Performance Data

Speed 1000RPM (6 Pole)

50HZ

TDF3 Series

Type	Rated Output		Rated Speed rpm	Efficiency η (%) Load	Power factor $\cos \phi$	In (A)	Is/In	Ts/Tn	Tmax/Tn
	kW	HP							
TDF3-90S-6	0.75	1.0	910	78.9	0.71	2.03	6.0	2.0	2.1
TDF3-90L-6	1.1	1.5	910	81	0.73	2.83	6.0	2.0	2.1
TDF3-100L-6	1.5	2.0	940	82.5	0.73	3.78	6.5	2.0	2.1
TDF3-112M-6	2.2	3.0	940	84.3	0.74	5.36	6.6	2.0	2.1
TDF3-132S-6	3.0	4.0	960	85.6	0.74	7.2	6.8	2.0	2.1
TDF3-132M1-6	4.0	5.5	960	86.8	0.74	9.46	6.8	2.0	2.1
TDF3-132M2-6	5.5	7.5	960	88	0.75	12.7	7.0	2.0	2.1
TDF3-160M-6	7.5	10	970	89.1	0.79	16.2	7.0	2.0	2.1
TDF3-160L-6	11	15	970	90.3	0.80	23.1	7.2	2.0	2.1
TDF3-180L-6	15	20	970	91.2	0.81	30.9	7.3	2.0	2.1
TDF3-200L1-6	18.5	25	970	91.7	0.81	37.8	7.3	2.0	2.1
TDF3-200L2-6	22	30	970	92.2	0.81	44.8	7.4	2.0	2.1
TDF3-225M-6	30	40	980	92.9	0.83	59.1	6.9	2.0	2.1
TDF3-250M-6	37	50	980	93.3	0.84	71.7	7.1	2.0	2.1
TDF3-280S-6	45	60	980	93.7	0.85	85.8	7.3	2.0	2.0
TDF3-280M-6	55	75	980	94.1	0.86	103.3	7.3	2.0	2.0
TDF3-315S-6	75	100	990	94.6	0.84	143.1	6.6	2.0	2.0
TDF3-315M-6	90	125	990	94.9	0.85	169.5	6.7	2.0	2.0
TDF3-315L1-6	110	150	990	95.1	0.85	206.8	6.7	2.0	2.0
TDF3-315L2-6	132	175	990	95.4	0.86	244.5	6.8	2.0	2.0
TDF3-355M1-6	160	215	990	95.6	0.86	295.7	6.8	1.8	2.0
TDF3-355M2-6	200	270	990	95.8	0.87	365	6.8	1.8	2.0
TDF3-355L-6	250	335	990	95.8	0.87	455.7	6.8	1.8	2.0
TDF3-3552-6	315	420	990	95.8	0.86	580.9	6.8	1.8	2.0

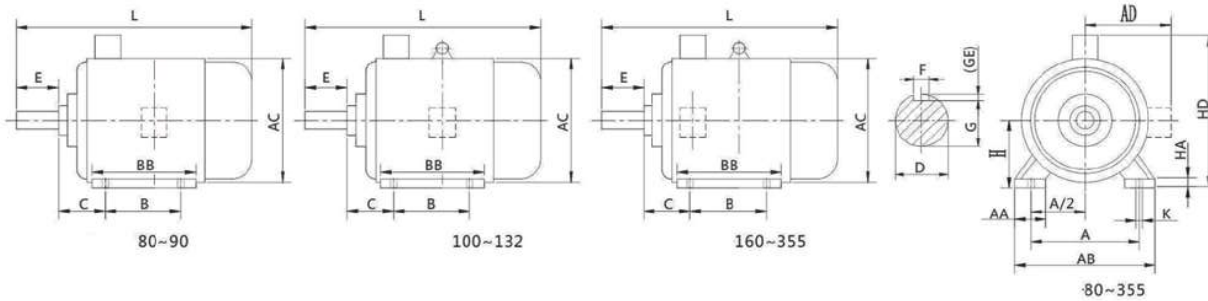
Dimension Data

Foot Mounted (B3)

Motor Type: TDF2

Frame Size: 63M to 355L

B3



: mm

		Mounting Dimension									Figure size								
		A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L	
63M	2.4	100	80	40	11	23	4	8.5	63	7	30	110	8	135	130	-	180	230	
71M	2.4.6	112	90	45	14	30	5	11	71		32	120		150	145	-	195	255	
80M	2.4.6.8	125	100	50	19	40	6	15.5	80	10	32	150	10	165	175	145	230	305	
90S		140		125	56	24	50	8	20		90	34	185	12	180	195	155	260	360
90L			210		210	12	180		195		155	260	390						
100L		160	140	63	28	60	24	100	12	39	223	14	205	215	180	280	435		
112M		190		70	45	230		230		240	190	300	470						
132S		216	178	89	38	80	10	33	132	14.5	55	186	18	270	275	210	345	510	
132M				89	224	224	270	275	210		345	560							
160M		254	210	108	42	110	12	37	160	18.5	65	304	20	320	330	255	420	670	
160L			254	108							334	334						320	330
180M		279	241	121	48	140	14	42.5	180	24	70	311	22	355	380	280	455	740	
180L			279	121							349	349						355	380
200L	4.8	318	305	133	55	140	16	49	200	18.5	74	379	26	395	420	305	505	790	
225S		356	286	149	60		140	18	53		225		368	368	28	435	470	355	560
225M	2		311	149	55	110	16	49	78				393	435					
250M	4.6.8	406	349	168	60	140	18	53	250	24	80	445	30	490	510	370	615	915	
	2				65														58
280S	4.6.8	457	368	190	75	140	20	67.5	280	28	90	485	35	550	580	410	680	985	
280M	2				65		18	58											536
	4.6.8	419	190	75	20	67.5	315		28	120	610	45	635	645	530	845	1180		
315S	2	65	18	58	1290														
315M	4.6.8.10	508	457	216	80	170	22	71	315	28	120	610	45	635	645	530	845	1320	
	2				65	140	18	58										1210	
315L	4.6.8.10	508	216	65	80	170	22	71	315	28	120	610	45	635	645	530	845	1320	
355M	2				75	140	20	67.5										1500	
	4.6.8.10	610	560	254	95	170	25	86	355	130	690	52	730	710	655	1010	1530		
355L	2				75	140	20	67.5									1500		
	4.6.8.10	610	630	254	95	170	25	86	355	130	750	52	730	710	655	1010	1530		
					95	170	25	86									1530		

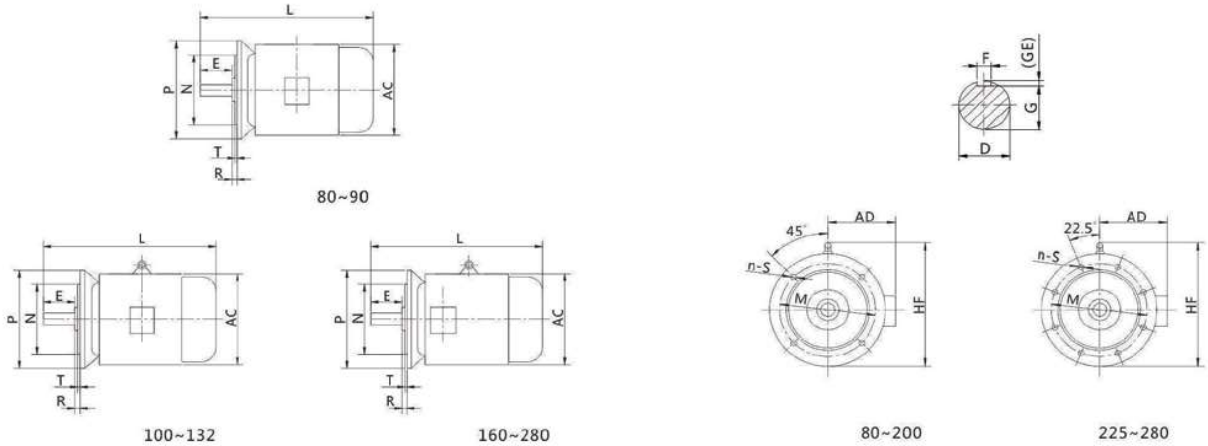
Dimension Data

Flange Mounted (B5)

Motor Type: TDF2

Frame Size: 63M to 280M

B5



: mm

		Mounting Dimension										Figure size						
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L			
63M	2.4	11	23	4	8.5	115	95	140	0	4-Φ10	3	130	120	-	230			
71M	2.4.6	14	30	5	11	130	110	160				145	125	-	255			
80M	2.4.6.8	19	40	6	15.5	165	130	200		4-Φ12	3.5	175	145	-	305			
90S		24	50	8	20							195	155	-	360			
90L												-	390					
100L		28	60		24	215	180	250		4-Φ4.5	4	215	180	245	435			
112M												240	190	265	470			
132S		38	80	10	33	265	230	300				275	210	315	510			
132M												560						
160M		42	110	12	37	300	250	350		4-Φ8.5		330	255	385	670			
160L																		
180M		48		14	42.5	350	300	400				380	280	430	740			
180L														790				
200L		55	16	49	350	300	400	420				305	480	790				
225S	60	140						18		53	400				350	450	470	335
225M	2	55	110	16	49			830										
250M	4.6.8	60	140			500	450	550		8-Φ18.5	5	510	370	595	915			
	2			53														
280S	4.6.8	65		18				580				410	650	985				
	2			58														
280M	4.6.8	75	20		67.5		580	410				650	1035					
	2		58															
	4.6.8	75	20		67.5													

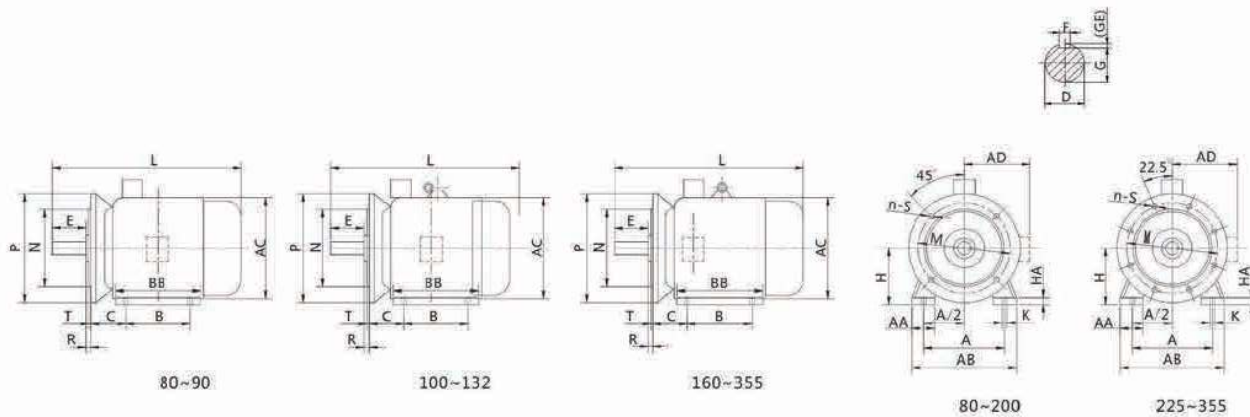
Dimension Data

Foot + Flange Mounted (B35)

Motor Type: TDF2

Frame Size: 63M to 355L

B35



mm

		Mounting Dimension													Figure size																										
		A	B	C	D	E	F	G	H	K	M	N	P	R	n-S	T	AA	BB	HA	AB	AC	AD	HD	L																	
63M	2.4	100	80	40	11	23	4	8.5	63	7	115	95	140	4-Φ10	3	30	110	8	135	130	-	180	230																		
71M	2.4.6	112	90	45	14	30	5	11	71		130	110	160		32	120	150		145	-	195	255																			
80M		125	100	50	19	40	6	15.5	80		165	130	200		32	150	165		175	145	230	305																			
90S		140		56	24	50	8	20	90	10	165	130	200	4-Φ12	3.5	34	185	12	180	195	155	260	360																		
90L			125	56				24	100		39	223	14		205	215	180	280	435																						
100L		160		63	28	60			112	12	215	180	250	45	230	230	240	190	300	470																					
112M		190	140	70					14.5					4	55	186	18	270	275	210	345	510																			
132S	2.4.6.8	216		89	38	80	10	33		132		265	230		300			224							560																
132M			178	89										65	304	20	320	330	255	420	670																				
160M		254		210	108	42		12	37	160						334						700																			
160L				254	108							300	250	350	70	311	22	355	380	280	455	740																			
180M		279		241	121	48	110	14	42.5	180						349						790																			
180L				279	121										74	379	26	395	420	305	505	790																			
200L			318	305	133	55		16	49	200		350	300	400																											
225S		4.8		286	149	60	140	18	53	225	18.5	400	350	450	0	5		368						830																	
225M	2	356			55	110	16	49										78	393	28	435	470	355	560	825																
	4.6.8		311	149				53															855																		
250M	2	406	349	168			18		250					8-Φ18.5		80	445	30	490	510	370	615	915																		
	4.6.8					65				58																															
280S	2	457	368	190	75	140		20	67.5	280	24	500	450	550			485	35	550	580	410	680	985																		
	4.6.8																								18	58	90														
280M	2															419	190									20	67.5								536					680	1035
	4.6.8				75																																				
315S	2	508	406	216	65		18	58	315								570	45	635	645	530	845	1180																		
	4.6.8.10					80	170	22								71														120	610					1290					
315M	2				457	216		65								140	18						58		600	550	660										1320				
	4.6.8.10				80	170	22	71															1320																		
315L	2	508	216	65	140	170	22	71	28						8-Φ24	6		680						1210																	
	4.6.8.10																	80						170	22	71															1320
355M	2																	560						254	75	140	20	67.5									690	52	730	710	655
	4.6.8.10	610			95	170	25	86	355	740	680	800											1530																		
355L	2			630	254	75	140	20					67.5									750						1500													
	4.6.8.10				95	170	25	86																1530																	

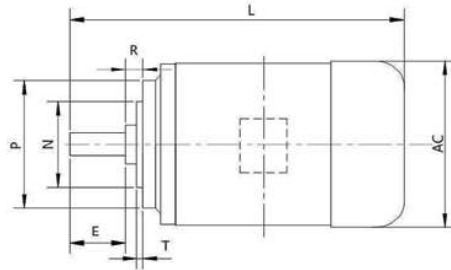
Dimension Data

Flange Mounted (B14)

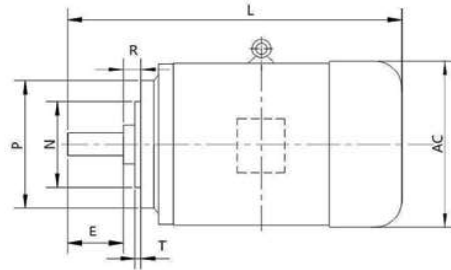
Motor Type: TDF2

Frame Size: 63M to 112M

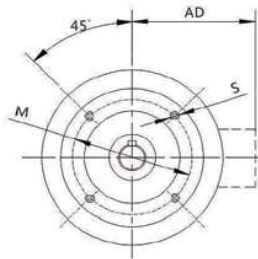
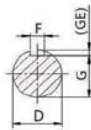
B14



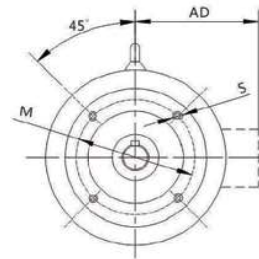
80~90



100~112



80~90



100~112

: mm

		Mounting Dimension										Flgure size			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
63M	2.4	11	23	4	8.5	75	60	90	0	4-M5	2.5	130	120	-	230
71M	2.4.6	14	30	5	11	85	70	105		4-M6	2.5	145	125		255
80M	2.4.6.8	19	40	6	16	100	80	120		4-M6	3	175	145		305
90S		24	50	8	20	115	95	140		4-M8	3	195	165		360
90L		24	50		20	115	95	140		4-M8	3	195	165		390
100L		28	60		24	130	110	160		4-M8	3.5	215	180	245	435
112M		28	60		24	130	110	160		4-M8	3.5	240	190	265	470

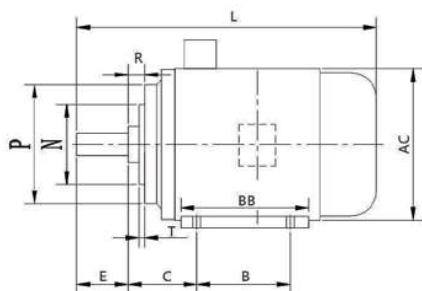
Dimension Data

Foot + Flange Mounted (B34)

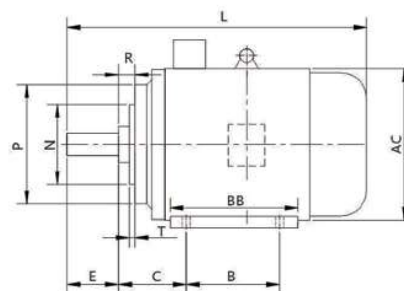
Motor Type: TDF2

Frame Size: 63M to 112M

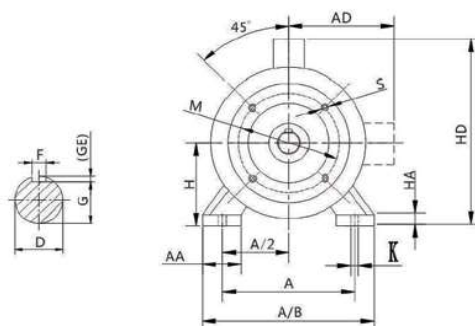
B34



80~90



100~112



80~112

: mm

		Mounting Dimension															Figure size				
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
63M	2.4	100	80	40	11	23	4	8.5	63	7	75	60	90	0	4-M5	2.5	135	130	-	180	230
71M	2.4.6	112	90	45	14	30	5	11	71		85	70	105		4-M6		150	145	-	195	255
80M	2.4.6.8	125	100	50	19	40	6	16	80	10	100	80	120		4-M8	3	165	175	145	185	305
90S		140		125	56	24	50	8	20		90	115	95				140	180	195	165	220
90L		190	140		63	28	60		24	100	12	130	110			160	3.5	205	215	180	270
100L				230														240	190	300	470
112M																					

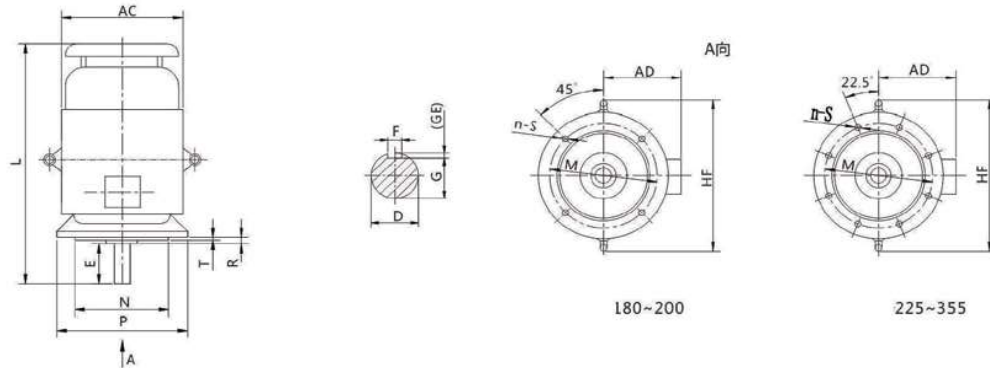
Dimension Data

Flange Mounted (V1)

Motor Type: TDF2

Frame Size: 180M to 355L

V1



: mm

		Mounting Dimension										Figure size			
		D	E	F	G	M	N	P	R	n-S	T	AC	AD	HF	L
180M	2.4.6.8	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	380	280	430	800
180L														850	
200L		55			16	49	350	300				400		420	305
225S	4.8	60	140	18	53	400	350	450		8-Φ18.5	5	470	335	610	920
225M	2	55	110	16	49										915
	4.6.8	60	140	18	53							500	450	550	
250M	2				58	510	370	650							1020
	4.6.8	65													
280S	2			20	58	580	410	720							1110
	4.6.8	75			67.5										
280M	2	65			18										58
	4.6.8	75			20							67.5			
315S	2	65		18	58	600	550	660		8-Φ24	6	645	530	900	1300
	4.6.8.10	80	170	22	71										1420
315M	2	65	140	18	58										1330
	4.6.8.10	80	170	22	71										1450
315L	2	65	140	18	58										1330
	4.6.8.10	80	170	22	71										1450
355M	2	75	140	20	67.5	740	680	800				710	655	1010	1640
	4.6.8.10	95	170	25	86										1670
355L	2	75	140	20	67.5										1640
	4.6.8.10	95	170	25	86										1670

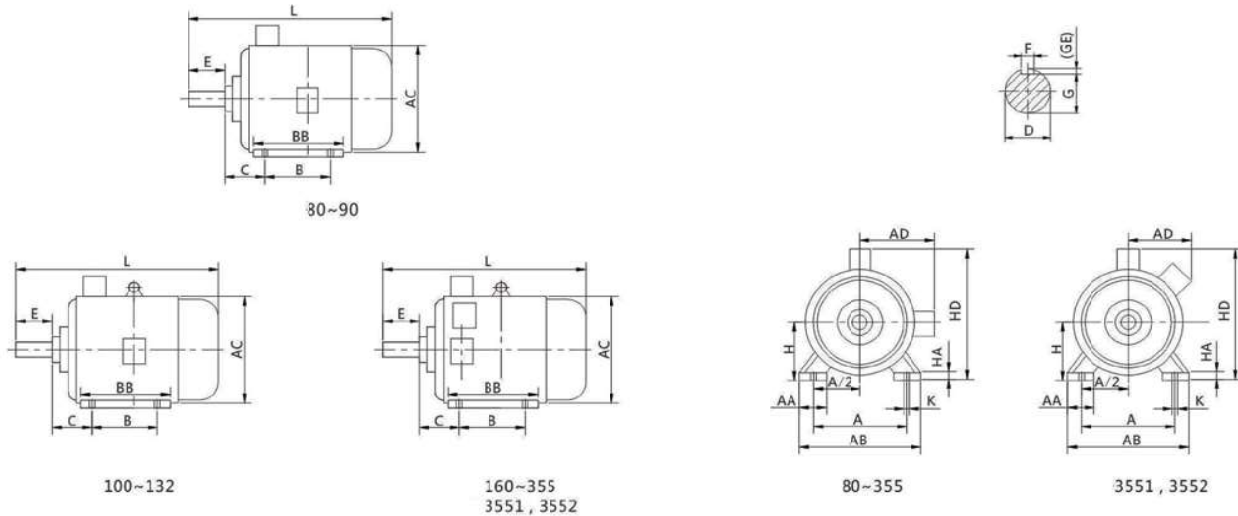
Dimension Data

Foot Mounted (B3)

Motor Type: TDF3

Frame Size: 80M to 3552

B3



: mm

		Mounting Dimension									Figure size							
		A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L
80M	2.4.6	125	100	50	19	40	6	15.5	80	10	32	150	10	165	175	145	230	305
90S	2.4.6	140	100	56	24	50	8	20	90	10	34	185	12	180	195	155	260	360
90L	2.4.6	140	125	56	24	50	8	20	90	10	34	210	12	180	195	155	260	390
100L	2.4.6	160	140	63	28	60	8	24	100	12	39	223	14	205	215	180	280	435
112M	2.4.6	190	140	70	28	60	8	24	112	12	45	230	14	230	240	190	300	470
132S	2.4.6	216	140	89	38	80	10	33	132	12	55	186	18	270	275	210	345	510
132M	2.4.6	216	178	89	38	80	10	33	132	12	55	224	18	270	275	210	345	560
160M	2.4.6	254	210	108	42	110	12	37	160	14.5	65	304	20	320	330	255	420	670
160L	2.4.6	254	254	108	42	110	12	37	160	14.5	65	334	20	320	330	255	420	700
180M	2.4.6	279	241	121	48	110	14	42.5	180	14.5	70	311	22	355	380	280	455	740
180L	2.4.6	279	279	121	48	110	14	42.5	180	14.5	70	349	22	355	380	280	455	790
200L	2.4.6	318	305	133	55	110	16	49	200	18.5	74	379	26	395	420	305	505	790
225S	4	356	286	149	60	140	18	53	225	18.5	78	368	28	435	470	355	560	830
225M	2	356	311	149	55	110	16	49	225	18.5		393	28	435	470	355	560	825
	4.6				60	140	18	53				393	28					855
250M	2	406	349	168	60	140	18	53	250	24	80	445	30	490	510	370	615	915
	4.6				65	140	18	58				445	30					
280S	2	457	368	190	65	140	18	58	280	24	90	485	35	550	580	410	680	985
	4.6				75	140	20	67.5				485	35					
280M	2	457	419	190	65	140	18	58	280	24		536	35	550	580	410	680	1035
	4.6				75	140	20	67.5				536	35					
315S	2	508	406	216	65	140	18	58	315	28	120	570	45	635	645	530	845	1180
	4.6				80	170	22	71				570	45					1290
315M	2	508	457	216	65	140	18	58	315	28		610	45	635	645	530	845	1320
	4.6				80	170	22	71				610	45					1320
315L	2	508	508	216	65	140	18	58	315	28		680	45	635	645	530	845	1210
	4.6				80	170	22	71				680	45					1320
355M	2	610	560	254	75	140	20	67.5	355	28	130	690	52	730	710	655	1010	1500
	4.6				95	170	25	86				690	52					1530
355L	2	610	630	254	75	140	20	67.5	355	28		750	52	730	710	655	1010	1500
	4.6				95	170	25	86				750	52					1530
3551	2	630	800	224	80	170	22	71	355	35	—	—	—	760	770	760	1130	1870
3552	4.6				110	210	28	100			—	—	—					1920

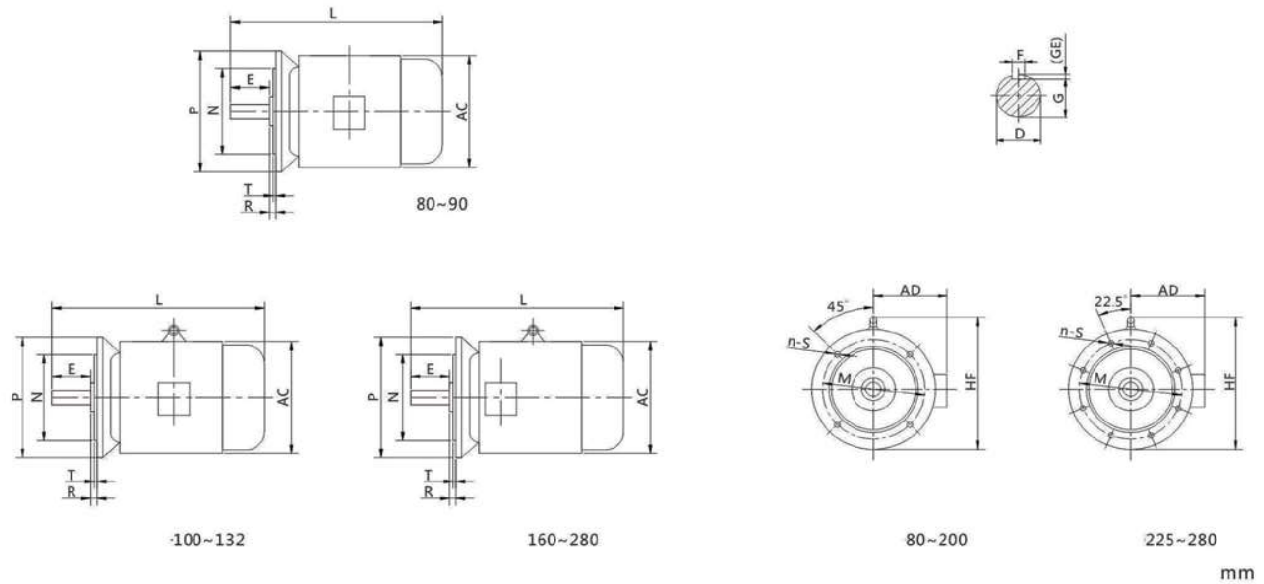
Dimension Data

Flange Mounted (B5)

Motor Type: TDF3

Frame Size: 80M to 280M

B5



		Mounting Dimension											Figure size			
		D	E	F	G	M	N	P	R	S	T		AC	AD	HF	L
80M	2.4.6	19	40	6	15.5	165	130	200	0	4- ϕ 12	3.5	4	175	145	185	305
90S	2.4.6	24	50	8	20	165	130	200	0	4- ϕ 12	3.5	4	195	155	195	360
90L	2.4.6	24	50	8	20	165	130	200	0	4- ϕ 12	3.5	4	195	155	195	390
100L	2.4.6	28	60	8	24	215	180	250	0	4- ϕ 14.5	4	4	215	180	245	435
112M	2.4.6	28	60	8	24	215	180	250	0	4- ϕ 14.5	4	4	240	190	265	470
132S	2.4.6	38	80	10	33	265	230	300	0	4- ϕ 14.5	4	4	275	210	315	510
132M	2.4.6	38	80	10	33	265	230	300	0	4- ϕ 14.5	4	4	275	210	315	550
160M	2.4.6	42	110	12	37	300	250	350	0	4- ϕ 18.5	5	4	330	255	385	730
160L	2.4.6	42	110	12	37	300	250	350	0	4- ϕ 18.5	5	4	330	255	385	760
180M	2.4.6	48	110	14	42.5	300	250	350	0	4- ϕ 18.5	5	4	380	280	430	770
180L	2.4.6	48	110	14	42.5	300	250	350	0	4- ϕ 18.5	5	4	380	280		800
200L	2.4.6	55	110	16	49	350	300	400	0	4- ϕ 18.5	5	4	420	305	480	860
225S	4	60	140	18	53	400	350	450	0	8- ϕ 18.5	5	8	470	335	535	830
225M	2	55	110	16	49	400	350	450	0	8- ϕ 18.5	5	8	470	335	535	830
	4.6	60	140	18	53											860
250M	2	60	140	18	53	500	450	550	0	8- ϕ 18.5	5	8	510	370	595	990
	4.6	65	140	18	58											
280S	2	65	140	18	58	500	450	550	0	8- ϕ 18.5	5	8	580	410	650	990
	4.6	75	140	20	67.5											
280M	2	65	140	18	58	500	450	550	0	8- ϕ 18.5	5	8	580	410	650	1040
	4.6	75	140	20	67.5											

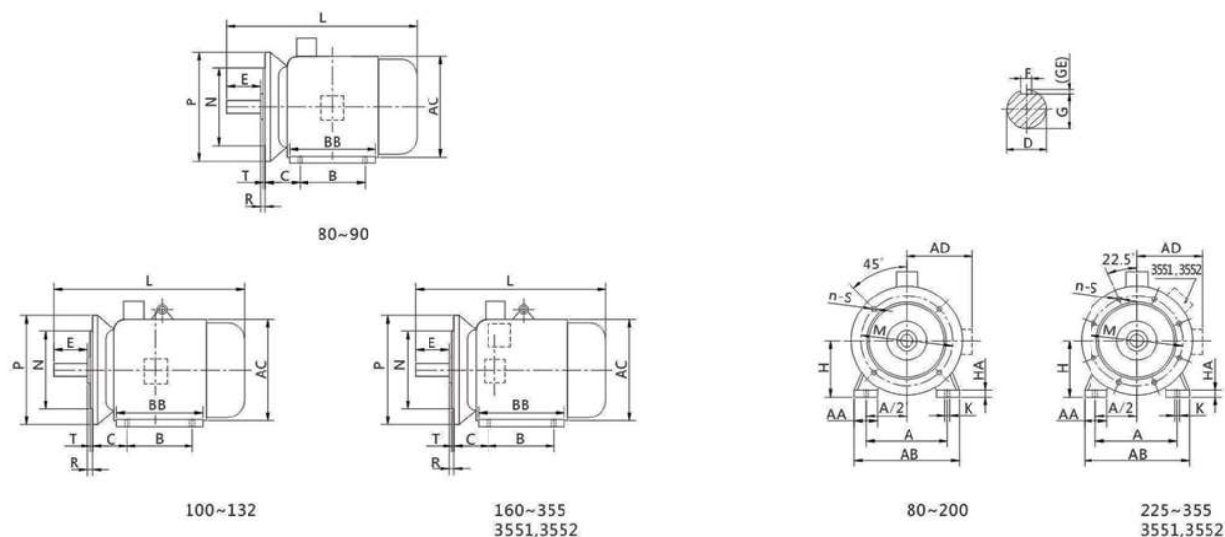
Dimension Data

Foot + Flange Mounted (B35)

Motor Type: TDF3

Frame Size: 80M to 3552

B35



: mm

		Mounting Dimension																Figure size							
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L	
80M	2.4.6	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Φ12	3.5	32	150	10	165	175	145	230	305	
90S	2.4.6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Φ12	3.5	34	185	12	180	195	155	260	360	
90L	2.4.6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Φ12	3.5	34	210	12	180	195	155	260	390	
100L	2.4.6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Φ14.5	4	39	223	14	205	215	180	280	435	
112M	2.4.6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Φ14.5	4	45	230	14	230	240	190	300	470	
132S	2.4.6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Φ14.5	4	55	186	18	270	275	210	345	510	
132M	2.4.6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Φ14.5	4	55	224	18	270	275	210	345	560	
160M	2.4.6	254	210	108	42	110	12	37	160	14.5	300	250	350	0	4-Φ18.5	5	65	304	20	320	330	255	420	670	
160L	2.4.6	254	254	108	42	110	12	37	160	14.5	300	250	350	0	4-Φ18.5	5	65	334	20	320	330	255	420	700	
180M	2.4.6	279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Φ18.5	5	70	311	22	355	380	280	455	740	
180L	2.4.6	279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Φ18.5	5	70	349	22	355	380	280	455	790	
200L	2.4.6	318	305	133	55	110	16	49	200	18.5	350	300	400	0	4-Φ18.5	5	74	379	26	395	420	305	505	790	
225S	4	356	286	149	60	140	18	53	225	18.5	400	350	450	0	8-Φ18.5	5	78	368	28	435	470	355	560	830	
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	0	8-Φ18.5	5		393	28	435	470	355	560	825	
	4.6				60	140	18	53										393	28					855	
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Φ18.5	5	80	445	30	490	510	370	615	915	
	4.6				65	140	18	58										445	30						
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Φ18.5	5		90	485	35	550	580	410	680	985
	4.6				75	140	20	67.5									485		35						
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Φ18.5	5	536		35	550	580	410	680	1035	
	4.6				75	140	20	67.5									536	35							
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6	120	570	45	635	645	530	845	1180	
	4.6				80	170	22	71										570	45					1290	
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6		610	45	635	645	530	845	1320	
	4.6				80	170	22	71									610	45	1320						
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6	130	680	45	635	645	530	845	1210	
	4.6				80	170	22	71										680	45					1320	
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Φ24	6		690	52	730	710	655	1010	1500	
	4.6				95	170	25	86									690	52	1530						
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Φ24	6	750	52	730	710	655	1010	1500		
	4.6				95	170	25	86									750	52					1530		
3551	2	630	800	224	80	170	22	71	355	35	840	780	900	0	8-Φ24	6	-	-	760	900	760	1130	1870		
3552	4.6				110	210	28	100								-	-	1920							

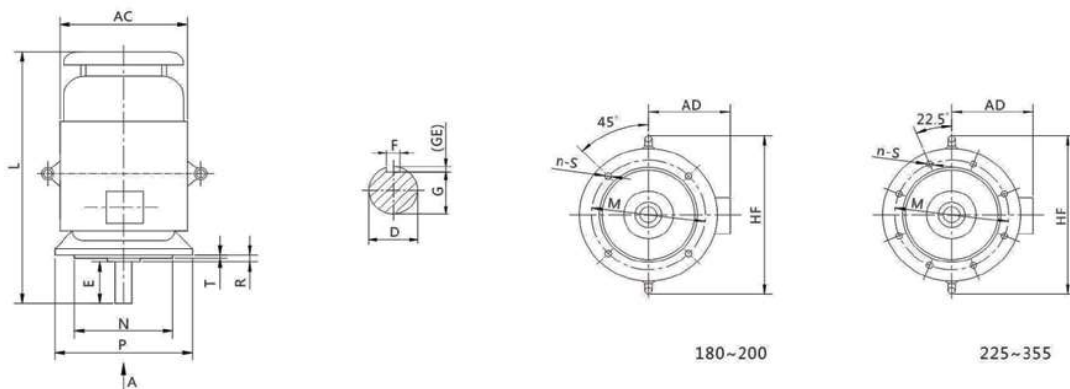
Dimension Data

Flange Mounted (V1)

Motor Type: TDF3

Frame Size: 180M to 3552

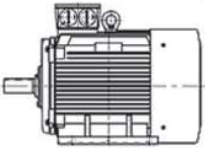
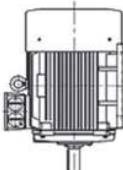
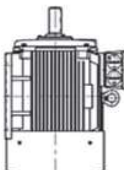
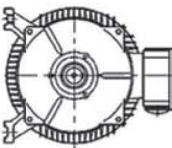
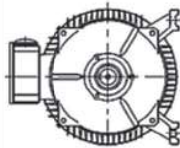
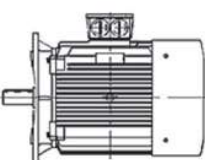
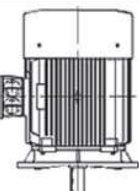
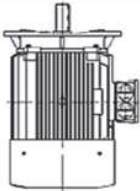
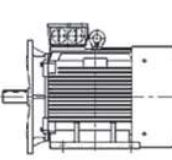
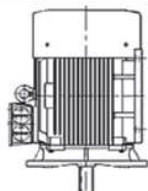
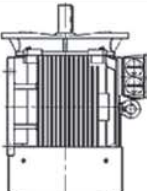
V1



: mm

		Mounting Dimension										Figure size			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
180M	2.4.6	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	380	280	430	825
180L	2.4.6	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	380	280	430	845
200L	2.4.6	55	110	16	49	350	300	400	0	4-Φ18.5	5	420	305	480	940
225S	4	60	140	18	53	400	350	450	0	8-Φ18.5	5	470	335	610	945
225M	2	55	110	16	49	400	350	450	0	8-Φ18.5	5	470	335	610	945
	4.6	60	140	18	53									610	975
250M	2	60	140	18	53	500	450	550	0	8-Φ18.5	5	510	370	650	1095
	4.6	65	140	18	58									650	
280S	2	65	140	18	58	500	450	550	0	8-Φ18.5	5	580	410	720	1155
	4.6	75	140	20	67.5									720	
280M	2	65	140	18	58	500	450	550	0	8-Φ18.5	5	580	410	720	1195
	4.6	75	140	20	67.5									720	
315S	2	65	140	18	58	600	550	660	0	8-Φ24	6	645	530	900	1280
	4.6	80	170	22	71									900	1400
315M	2	65	140	18	58	600	550	660	0	8-Φ24	6	645	530	900	1310
	4.6	80	170	22	71									900	1430
315L	2	65	140	18	58	600	550	660	0	8-Φ24	6	645	530	900	1310
	4.6	80	170	22	71									900	1430
355M	2	75	140	20	67.5	740	680	800	0	8-Φ24	6	710	655	1010	1640
	4.6	95	170	25	86									1010	1670
355L	2	75	140	20	67.5	740	680	800	0	8-Φ24	6	710	655	1010	1640
	4.6	95	170	25	86									1010	1670
3551	2	80	170	22	71	840	780	900		8-Φ24	6	900	760	1220	1920
3552	4.6	110	210	28	100						6				1970

International Mounting Code (IM)

Foot-Mounted					
					
IM B3 (IM 1001)	IM V5 (IM 1011)	IM V6 (IM 1031)	IM B6 (IM 1051)	IM B7 (IM 1061)	IM B8 (IM 1071)
Flange-Mounted			Foot & Flange Mounted		
					
IM B5 (IM 3001)	IM V1 (IM 3011)	IM V3 (IM 3031)	IM B35 (IM 2001)	IM V15 (IM 2011)	IM V36 (IM 2031)

TDF Link Industrial Sdn Bhd 2021014407(1414707-V)

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