# JM Aerofoil
# H.T. Series Fan 50Hz
# Smoke Venting Equipment

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FläktWoods

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# Introduction

Woods Air Movement Limited, has made Aerofoil axial flow fans suitable for continuous operation in high temperature air streams for over 30 years. These fans are currently fitted into Drying Machines, Stenters, and Smoke Venting systems, all over the world.

This long experience coupled with the introduction of the new improved performance JM Aerofoil fan range forms the basis for the new H.T. SERIES fans and roof extract units designed specifically for Fire Smoke Ventilation.

Woods manufactures fan motors, and is therefore able to look critically at the requirements of motor insulation, bearings and lubricants which are vital elements in achieving high temperature performance. Extensive stress tests on the new JM Aerofoil fan impellers operating at high temperatures has enabled Woods to make the best use of both designs and materials.

A full high temperature test programme has been successfully completed. Some of this programme was carried out at independent laboratories, eg T.Ü. in Germany and C.T.I.C.M. in France

These tests combined with Woods' renowned high standard of engineering and quality assurance serve to support the H.T. SERIES specification.

Extensive market research has resulted in the H.T. SERIES being offered in six temperature/time categories to meet all of the internationally recognised requirements.

The equipment detailed in this publication is not the full range of items available. If your requirement is not included please enquire to your nearest sales office.

| TEMPERATURE (°C) | TIME (Hours) | CATEGORY CODE | FAN TYPES* AVAILABLE | ROOF EXTRACT** UNITS AVAILABLE |
|---|---|---|---|---|
| 200 | 2.0 | H.T.200/2 | AEROFOIL | DVA & UDA |
| 250 | 2.0 | H.T.300/0.5 | AEROFOIL | DVA & UDA |
| 300 | 0.5 | | | |
| 300 | 1.0 | H.T.300/1.0 | AEROFOIL | DVA & UDA |
| 400 | 2.0 | H.T.400/2 | AEROFOIL | UDA |
| 600** | 1.5 | H.T.600/1.5B** | BIFURCATED | UDA |

* Other fan types are available, e.g. Bifurcated and Varofoil - Please refer to separate publication C10.

** Refer to separate publication C10 for details of this specialist range of fans/units.

# Applications & Perofrmance Testing

In any building, fire smoke can be the major killer. In the event of fire in densely populated buildings, such as DEPARTMENT STORES, SHOPPING MALLS, SPORTS CENTRES and HOTELS, efficient clearance of smoke is vital to:

- Keep escape routes clear at all times.
- Assist fire brigades in fighting fire.
- Minimise damage to buildings and contents.

Woods H.T. SERIES smoke venting fans and roof extract units achieve this using simple designs and tested and certified components.

All H.T. SERIES fans and roof extract units, are suitable for continuous operation at temperatures up to 50°C max, and therefore can be used to provide the normal ventilation requirements of the building.

*High temperature Aerofoil Test Rig.*

Quality is assured at Woods. The H.T. SERIES is no exception, with compliance of Woods to BS EN ISO9001:1994, the international standard for Quality Assurance.

H.T. SERIES JM Aerofoil fans (and roof extract units) have successfully completed an extensive programme of high temperature tests from 200°C to 400°C for periods varying from half an hour to two hours, and would operate when tested in accordance with BS7346: Part 2: 1990.

Some of these tests have been witnessed by independent authorities such as the Loss Prevention Council (F.I.R.T.O.) in the U.K., or undertaken in independent laboratories at C.T.I.C.M. in France and Technische Universität (T.Ü.) Munchen in Germany.

The H.T. SERIES fans are certified and approved for use in fire smoke venting systems. All performances shown are based on tests to ISO5801.

# Specifications - Fans

## JM Aerofoil Fans

Full technical data of the highly efficient Woods JM Aerofoil Fan range can be found in publications C22a and C23a.

Aerofoil fan motors are rated to handle the peak powers of the fans at both ambient and high temperature. JM Aerofoil fans have a safe non-overloading characteristic.

## Casings

The cylindrical casing, housing the fan, is made of steel, hot dipped galvanised after manufacture. It is flanged and drilled at each end for ease of installation.

S-TYPE - The casing surrounds the impeller only and supports the motor mounting. The electrical terminal box is mounted on the motor. Suitable for temperatures up to 400°C.

L-TYPE - The casing completely surrounds both the impeller and motor. The terminal box is mounted on the casing and pre-wired to the motor. Suitable for temperatures up to 400°C.

## Impellers

Fan categories H.T.250/2: H.T.300/0.5: H.T.300/1 and H.T.400/2 use a Woods JM Aerofoil impeller, die cast in aluminium alloy and X-ray inspected against exacting standards to ensure stable castings. Impellers have a range of blade angles and impeller solidity (number of blades) for flexibility of air duty. Impeller blade angles are set and fixed at works, but are adjustable on site within motor power limits.

## Motors

Woods H.T. SERIES fans utilise a totally enclosed induction motor. The motor carcase is constructed of either aluminium alloy or cast iron dependent on the temperature of operation.

The grades of motor insulation have been selected to meet the specific requirements of each H.T. Category, as the essential property of withstanding thermal shock is not common to all high temperature materials. At temperatures above 400°C, bifurcated fans with motor out of the air stream are the only reliable solution. (See our publication C10).
Two speed motors available.
Pole Change (PC)
or Dahlander
Two speeds can be obtained by reconnecting a single winding via six winding terminals to give two separate polarities. The term "Pole change" or "Dahlander" refers to polarity/speed ratios of 2 : 1.

Pole Amplitude Modulation (PAM)
This allows speed ratios other than 2 : 1 to be achieved. The motor winding is reconnected in the same way as for a pole change winding.

## Dual Wound

This type of motor has two separate individual windings of the requisite polarity to give the speeds required.
Details of dual wound motors are available on request.

## Lubrication

Woods H.T. SERIES fan motor bearings for time/temperature categories above H.T.200/2 must be lubricated strictly in accordance with the instructions on the motor nameplate.

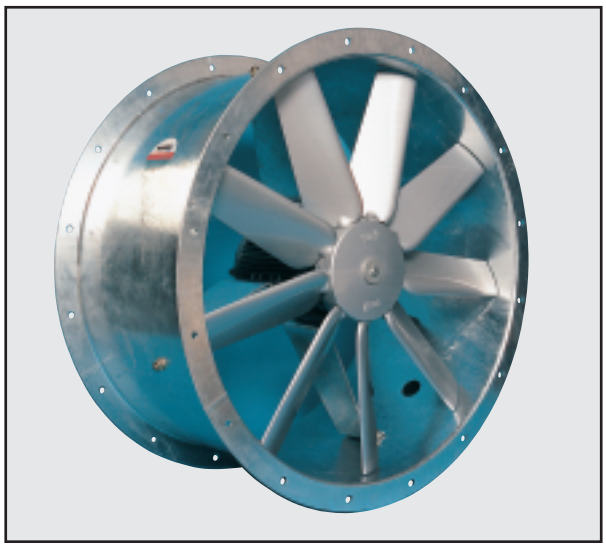
The motor bearings and greases used in the H.T. SERIES have been selected to provide long life at normal ambient temperature and still survive the emergency condition during this life-time.

The special greases required for fan motors operating above 300°C are unsuitable for conventional relubricating methods - extended lubricators, grease guns etc. Here the motor will need to be dismantled and regreased at specified intervals.

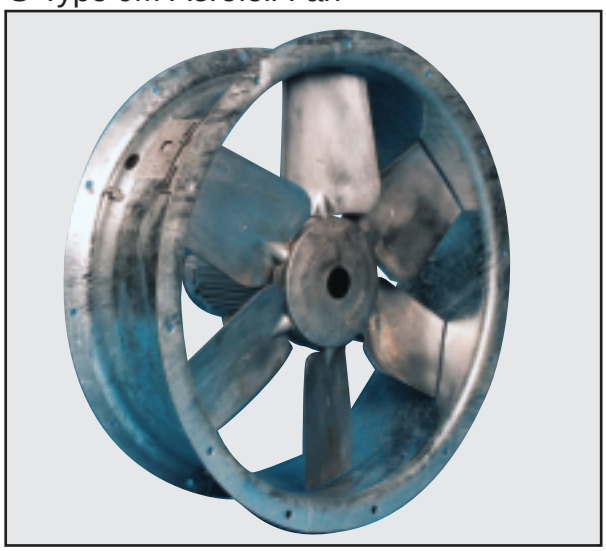
## Electrical Supplies

H.T. SERIES fans are available for connections to 380 - 420 V / 50 Hz / 3f electrical supplies. For other voltages and frequencies - please enquire.

L-Type JM Aerofoil Fan



S-Type JM Aerofoil Fan



# Guide to Fan Selection

Publication C10 details a selection of popular fans to be used for fire smoke venting. This is not the complete range. For details outside this range please enquire.

The detailed performance data is contained within publications JM/SS and C23a. These publications can be used to obtain fan selections with the associated impeller blade pitch angle data. For motor and electrical data, dedicated motor frame size schedules have been included for categories H.T.250/2 and 300/0.5 H.T.300/1 and H.T. 400/2 (see pages 9 to 30).

Once a fan has been selected from publication JM/SS or C23a, use the relevant motor frame size schedule to select the required motor.

NOTES:

1) No performance corrections are necessary for an H.T. categories up to and including H.T.200/2 or when any H.T. fan is to be used for emergency ventilation only. If fans are to be used for H.T. Category 250/2; 300/0.5 or 300/0 for both normal and emergency duty applications, increase the required static pressure by 10% prior to selection. If the fans are to be used for both normal and emergency duty applications at H.T. Category 400/2, this correction should be 20%.

2) For exhaust volumes greater than those provided by 100 JM use Woods H.T. Series - J Range publication.

Examples:
For a required duty of 8m$^3$/sec @ 200 Pa fan static pressure:

**H.T. Category H.T. 200/2**

Aerodynamic Selection - use publications JM/SS or C23a: 80JM/25/4/6/28°

Motor Data - Use publications JM/SS or C23a (i.e. standard motor data applies - single phase motors are not suitable)

F2249
Motor Rating (kW) = 4.4
Full load current (A) = 9.3
Starting Current (A) = 52

**H.T. Category H.T. 250/2 & H.T. 300/0.5**

Aerodynamic selection - Use publications JM/SS or C23a: 80JM/25/4/6/28°

Motor data - Use dedicated motor frame size schedule (Pages 9 to 12 enclosed).

D132/MS
Motor Rating (kW) = 6.3
Full load current (A) = 13.1
Starting Current (A) = 85

**H.T. Category H.T. 300/1**

Aerodynamic selection - Use publications JM/SS or C23a: 80JM/25/4/6/28°

Motor data - Use dedicated motor frame size schedule (Pages 13 to 23 enclosed).

D112M
Motor Rating (kW) = 4.6
Full load current (A) = 9.8
Starting Current (A) = 58.8

**H.T. Category H.T. 400/2**

Only if the fan is to be used for both normal and emergency duty applications, increase required static pressure by 20% = 200 x 1.2 = 240 Pa
New duty for selection purposes = 8m$^3$/sec @ 240 Pa fan static pressure.

Aerodynamic Selection - Use publications JM/SS or C23a: 80JM/25/4/6/30°

Motor data - Use dedicated motor frame size schedule (Pages 24 to 30 enclosed)

DF132MS
Motor Rating (kW) = 5.5
Full load current (A) = 11.1
Starting current (A) = 76

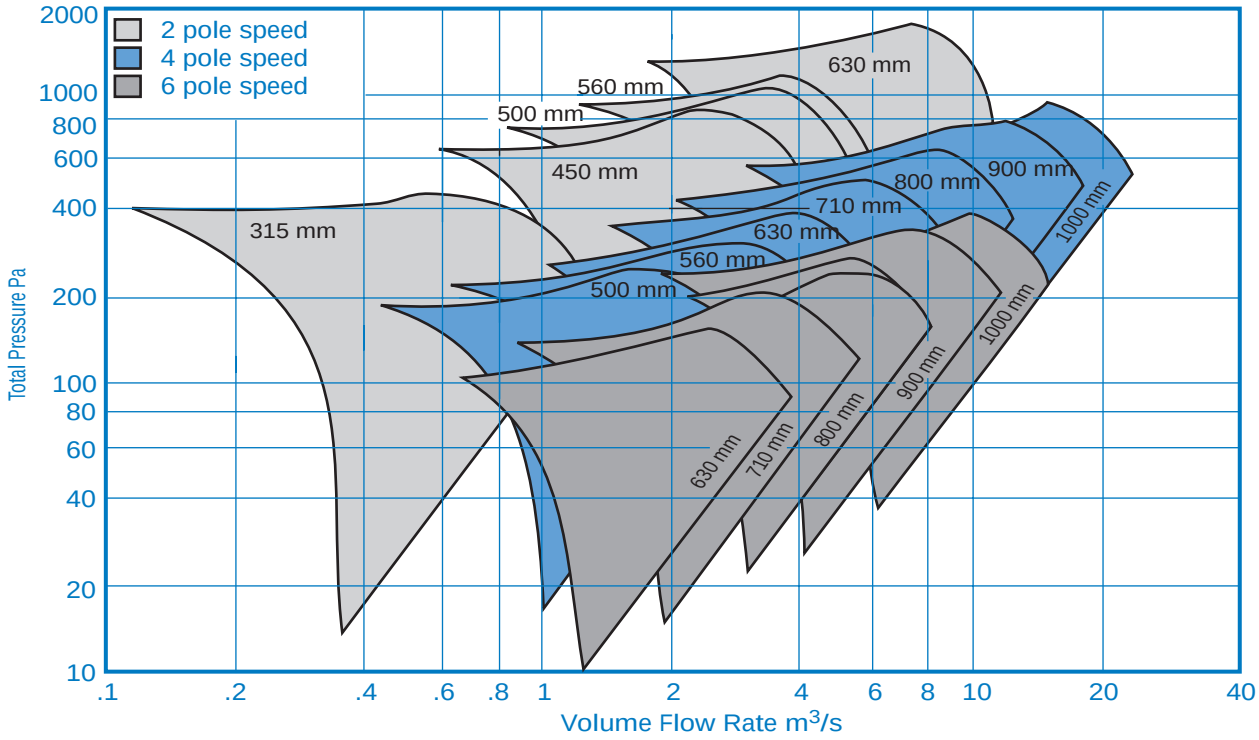
Please enquire if alternative temperature time categories are required.

**H.T. Category H.T. 600/1.5**

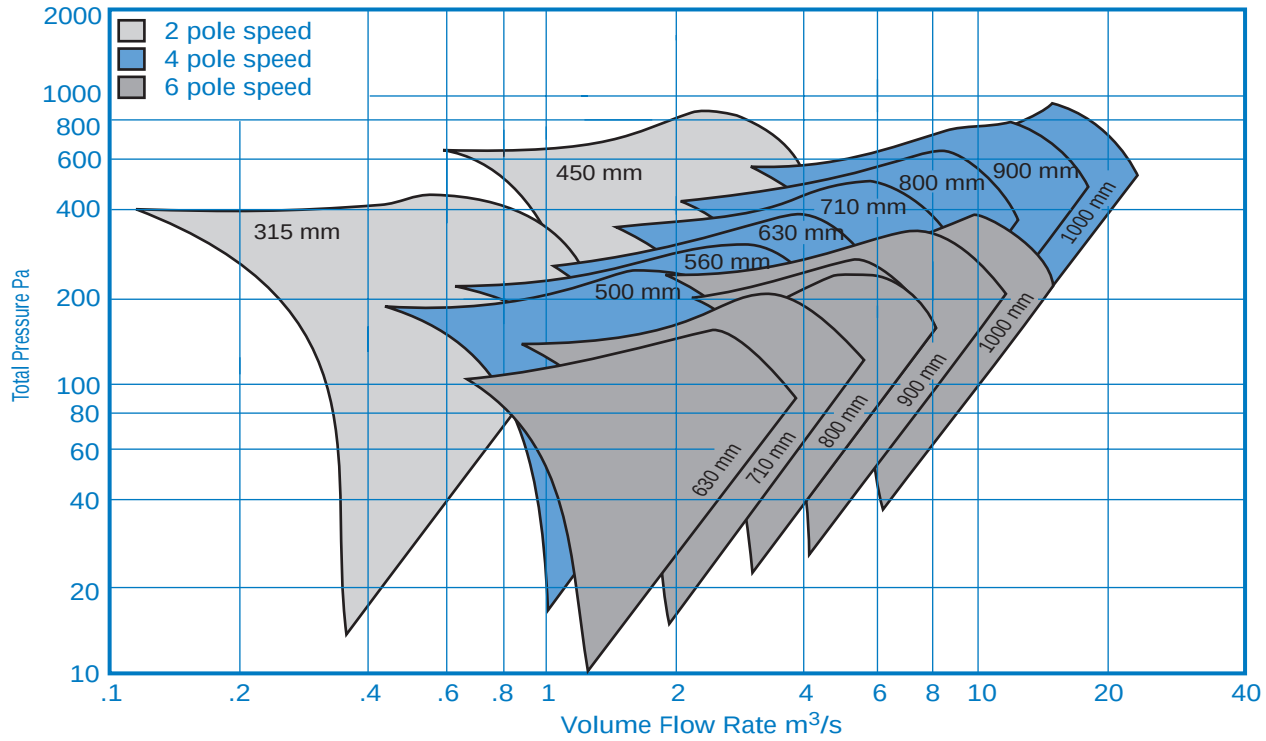
For this particular H.T. Category please enquire or refer to publication C10.

# Performance

## Time Category H.T. 250/2 ; H.T. 300/0.5 & H.T. 300/1




## Time Category H.T. 400/2



# Motor Frame Size Schedules: H.T. 250/2 & H.T. 300/0.5

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Max. Pitch Angle (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 63JM/25/4/3/... | 1440 | 32 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| 63JM/25/2/3/... | 2910 | 14 | F2225B | 3.3 | 7 | 44 | 79 | 0.87 |
| | | 20 | F2229B | 5.7 | 11.5 | 90 | 85 | 0.86 |
| | | 22 | DF132/MSA | 6.3 | 12 | 84 | 86 | 0.88 |
| | | 28 | DF132/MSB | 8.6 | 16.3 | 114 | 86 | 0.88 |
| | | 32 | DF132/M | 12 | 22 | 165 | 88 | 0.9 |
| 63JM/25/6/6/... | 935 | 36 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 63JM/25/4/6/... | 1440 | 36 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| 63JM/25/2/6/... | 2910 | 8 | F2225B | 3.3 | 7 | 44 | 79 | 0.87 |
| | | 14 | F2229B | 5.7 | 11.5 | 90 | 85 | 0.86 |
| | | 16 | DF132/MSA | 6.3 | 12 | 84 | 86 | 0.88 |
| | | 20 | DF132/MSB | 8.6 | 16.3 | 114 | 86 | 0.88 |
| | | 26 | DF132/M | 12 | 22 | 165 | 88 | 0.9 |
| | | 26 | DF160/LMA | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 34 | DF160/LMB | 17.3 | 32 | 240 | 88 | 0.89 |
| | | 36 | DF160/L | 22 | 38 | 285 | 90 | 0.91 |
| 63JM/25/6/9/... | 935 | 40 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 63JM/25/4/9/... | 1440 | 32 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 40 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| 63JM/25/2/9/... | 2910 | 10 | F2229B | 5.7 | 11.5 | 90 | 85 | 0.86 |
| | | 12 | DF132/MSA | 6.3 | 12 | 84 | 86 | 0.88 |
| | | 16 | DF132/MSB | 8.6 | 16.3 | 114 | 86 | 0.88 |
| | | 22 | DF132/M | 12 | 22 | 165 | 88 | 0.9 |
| | | 22 | DF160/LMA | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 28 | DF160/LMB | 17.3 | 32 | 240 | 88 | 0.89 |
| | | 34 | DF160/L | 22 | 38 | 285 | 90 | 0.91 |
| | | 40 | DF160/LKE | 30 | 53 | 398 | 90 | 0.91 |
| 71JM/20/6/3/... | 900 | 34 | CT9 | 0.75 | 2.5 | 7.5 | 63 | 0.7 |
| | | 36 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 71JM/20/4/3/... | 1440 | 8 | CT5 | 0.7 | 2 | 6.5 | 67 | 0.76 |
| | | 20 | CT9 | 1.3 | 3.3 | 12 | 72 | 0.79 |
| | | 32 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 36 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| 71JM/20/6/6/... | 900 | 24 | CT9 | 0.75 | 2.5 | 7.5 | 63 | 0.7 |
| | | 36 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 71JM/20/4/6/... | 1440 | 10 | CT9 | 1.3 | 3.3 | 12 | 72 | 0.79 |
| | | 22 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 34 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| 71JM/25/6/3/... | 935 | 32 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 71JM/25/4/3/... | 1440 | 32 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| 71JM/25/6/6/... | 935 | 36 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 71JM/25/4/6/... | 1440 | 26 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 36 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| 71JM/25/6/9/... | 935 | 36 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 71JM/25/4/9/... | 1440 | 20 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 32 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| | | 36 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |

# Motor Frame Size Schedules: H.T. 250/2 & H.T. 300/0.5

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Max. Pitch Angle (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 80JM/20/6/3/... | 935 | 24 | CT9 | 0.75 | 2.5 | 7.5 | 63 | 0.7 |
| | | 36 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 80JM/20/4/3/... | 1440 | 12 | CT9 | 1.3 | 3.3 | 12 | 72 | 0.79 |
| | | 22 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 34 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| 80JM/20/6/6/... | 935 | 14 | CT9 | 0.75 | 2.5 | 7.5 | 63 | 0.7 |
| | | 26 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| | | 36 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |
| 80JM/20/4/6/... | 1440 | 12 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 22 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| 80JM/25/6/3/... | 935 | 32 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| 80JM/25/4/3/... | 1440 | 26 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 32 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| 80JM/25/6/6/... | 935 | 30 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| | | 36 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |
| 80JM/25/4/6/... | 1440 | 16 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 26 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| | | 36 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| 80JM/25/6/9/... | 935 | 24 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| | | 36 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |
| 80JM/25/4/9/... | 1440 | 10 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 20 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| | | 28 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 36 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| 90JM/25/6/3/... | 935 | 30 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| | | 32 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |
| 90JM/25/4/3/... | 1440 | 18 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 26 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| | | 32 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| 90JM/25/6/6/... | 935 | 20 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| | | 30 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |
| | | 32 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| 90JM/25/4/6/... | 1440 | 8 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 16 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| | | 24 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 32 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| 90JM/25/6/9/... | 935 | 12 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| | | 22 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |
| | | 30 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| | | 36 | DF132/MA | 4.6 | 10.5 | 58 | 83 | 0.76 |
| 90JM/25/4/9/... | 1440 | 10 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| | | 16 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 26 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 30 | DF160/LM | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 36 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| 100JM/25/6/3/... | 935 | 22 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| | | 32 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |

# Motor Frame Size Schedules: H.T. 250/2 & H.T. 300/0.5

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Max. Pitch Angle (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 100JM/25/4/3/... | 1440 | 10 | F2245B | 2.5 | 5.7 | 30 | 83 | 0.8 |
| | | 18 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| | | 26 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 32 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| 100JM/25/6/6/... | 950 | 12 | F2265B | 1.4 | 4 | 15 | 73 | 0.7 |
| | | 22 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |
| | | 28 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| | | 32 | DF132/MA | 4.6 | 10.5 | 58 | 83 | 0.76 |
| 100JM/25/4/6/... | 1450 | 10 | F2249B | 4.2 | 9 | 52 | 82 | 0.84 |
| | | 16 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 24 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 28 | DF160/LM | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 32 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| 100JM/25/6/9/... | 960 | 14 | F2269B | 2.4 | 6.4 | 26 | 75 | 0.73 |
| | | 20 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| | | 26 | DF132/MA | 4.6 | 10.5 | 58 | 83 | 0.76 |
| | | 36 | DF132/MB | 7 | 15.5 | 82.5 | 85 | 0.76 |
| 100JM/25/4/9/... | 1470 | 8 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 16 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 20 | DF160/LM | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 28 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 32 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 36 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| 100JM/31/4/9/... | 1470 | 8 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 16 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 20 | DF160/LM | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 26 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 32 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 36 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |

# Motor Frame Size Schedules:
# H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 31JM/16/6/5/... | 900 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 31JM/16/4/5/... | 1420 | 40 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| 31JM/16/2/5/... | 2840 | 40 | D80/A | 0.9 | 2.2 | 12 | 78 | 0.75 |
| 35JM/16/6/5/... | 900 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 35JM/16/4/5/... | 1420 | 40 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| 35JM/16/2/5/... | 2840 | 32 | D80/A | 0.9 | 2.2 | 12 | 78 | 0.75 |
| | | 40 | D80/B | 1.3 | 3 | 19 | 79 | 0.78 |
| 40JM/16/6/5/... | 900 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 40JM/16/4/5/... | 1420 | 40 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| 40JM/16/2/5/... | 2840 | 20 | D80/A | 0.9 | 2.2 | 12 | 78 | 0.75 |
| | | 26 | D80/B | 1.3 | 3 | 19 | 79 | 0.78 |
| 45JM/16/6/5/... | 900 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 45JM/20/4/3/... | 1420 | 36 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| 45JM/20/2/3/... | 2910 | 18 | D80/A | 0.9 | 2.2 | 12 | 78 | 0.75 |
| | | 24 | D80/B | 1.3 | 3 | 19 | 79 | 0.78 |
| | | 30 | D90/LNS | 1.75 | 3.6 | 23 | 78 | 0.85 |
| | | 36 | D90/LN | 2.5 | 5.2 | 34 | 80 | 0.86 |
| 45JM/20/6/6/... | 900 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 45JM/20/4/6/... | 1420 | 40 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| 45JM/20/2/6/... | 2910 | 10 | D80/A | 0.9 | 2.2 | 12 | 78 | 0.75 |
| | | 16 | D80/B | 1.3 | 3 | 19 | 79 | 0.78 |
| | | 20 | D90/LNS | 1.75 | 3.6 | 23 | 78 | 0.85 |
| | | 26 | D90/LN | 2.5 | 5.2 | 34 | 80 | 0.86 |
| | | 34 | D100/L | 3.5 | 6.9 | 52 | 83 | 0.88 |
| | | 40 | DF112/M | 4.6 | 8.8 | 66 | 86 | 0.87 |
| 50JM/16/6/5/... | 915 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 50JM/16/4/5/... | 1420 | 38 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| | | 40 | D80/B | 0.9 | 2.5 | 11 | 76 | 0.69 |
| 50JM/16/2/5/... | 2840 | 10 | D80/B | 1.3 | 3 | 19 | 79 | 0.78 |
| 50JM/20/6/3/... | 915 | 36 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 50JM/20/4/3/... | 1420 | 36 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| 50JM/20/2/3/... | 2910 | 12 | D80/A | 0.9 | 2.2 | 12 | 78 | 0.75 |
| | | 16 | D80/B | 1.3 | 3 | 19 | 79 | 0.78 |
| | | 22 | D90/LNS | 1.75 | 3.6 | 23 | 78 | 0.85 |
| | | 26 | D90/LN | 2.5 | 5.2 | 34 | 80 | 0.86 |
| | | 34 | D100/L | 3.5 | 6.9 | 52 | 83 | 0.88 |
| | | 36 | DF112/M | 4.6 | 8.8 | 66 | 86 | 0.87 |
| 50JM/20/6/6/... | 915 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |

# Motor Frame Size Schedules: H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 50JM/20/4/6/... | 1420 | 36 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| | | 40 | D80/B | 0.9 | 2.5 | 11 | 76 | 0.69 |
| | | 24 | D100/L | 3.5 | 6.9 | 52 | 83 | 0.88 |
| | | 28 | DF112/M | 4.6 | 8.8 | 66 | 86 | 0.87 |
| 50JM/20/2/6/... | 2910 | 10 | D80/B | 1.3 | 3 | 19 | 79 | 0.78 |
| | | 12 | D90/LNS | 1.75 | 3.6 | 23 | 78 | 0.85 |
| | | 18 | D90/LN | 2.5 | 5.2 | 34 | 80 | 0.86 |
| 56JM/16/8/5/... | 680 | 40 | D80/A | 0.2 | 1.1 | 3 | 56 | 0.47 |
| 56JM/16/6/5/... | 900 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 56JM/16/4/5/... | 1420 | 26 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| | | 32 | D80/B | 0.9 | 2.5 | 11 | 76 | 0.69 |
| 56JM/20/6/3/... | 900 | 36 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 56JM/20/4/3/... | 1420 | 34 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| | | 36 | D80/B | 0.9 | 2.5 | 11 | 76 | 0.69 |
| 56JM/20/2/3/... | 2910 | 10 | D80/B | 1.3 | 3 | 19 | 79 | 0.78 |
| | | 14 | D90/LNS | 1.75 | 3.6 | 23 | 78 | 0.85 |
| | | 18 | D90/LN | 2.5 | 5.2 | 34 | 80 | 0.86 |
| | | 24 | D100/L | 3.5 | 6.9 | 52 | 83 | 0.88 |
| | | 28 | DF112/M | 4.6 | 8.8 | 66 | 86 | 0.87 |
| 56JM/20/6/6/... | 900 | 40 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 56JM/20/4/6/... | 1420 | 24 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| | | 30 | D80/B | 0.9 | 2.5 | 11 | 76 | 0.69 |
| | | 40 | D90/LNS | 1.35 | 3.2 | 16 | 77 | 0.73 |
| 56JM/20/2/6/... | 2910 | 10 | D90/LN | 2.5 | 5.2 | 34 | 80 | 0.86 |
| | | 14 | D100/L | 3.5 | 6.9 | 52 | 83 | 0.88 |
| | | 18 | DF112/M | 4.6 | 8.8 | 66 | 86 | 0.87 |
| 63JM/20/8/3/... | 680 | 36 | D80/A | 0.2 | 1.1 | 3 | 56 | 0.47 |
| 63JM/20/6/3/... | 900 | 36 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| 63JM/20/4/3/... | 1420 | 20 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| | | 26 | D80/B | 0.9 | 2.5 | 11 | 76 | 0.69 |
| | | 34 | D90/LNS | 1.35 | 3.2 | 16 | 77 | 0.73 |
| | | 36 | D90/LN | 1.75 | 4.4 | 22 | 78 | 0.73 |
| 63JM/20/8/6/... | 680 | 28 | D80/A | 0.2 | 1.1 | 3 | 56 | 0.47 |
| | | 36 | D80/B | 0.28 | 1.4 | 4 | 58 | 0.5 |
| 63JM/20/6/6/... | 900 | 30 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| | | 36 | D80/B | 0.65 | 2.2 | 8 | 68 | 0.63 |
| 63JM/20/4/6/... | 1420 | 12 | D80/A | 0.65 | 1.9 | 7 | 73 | 0.69 |
| | | 18 | D80/B | 0.9 | 2.5 | 11 | 76 | 0.69 |
| | | 24 | D90/LNS | 1.35 | 3.2 | 16 | 77 | 0.73 |
| | | 28 | D90/LN | 1.75 | 4.4 | 22 | 78 | 0.73 |
| | | 36 | D100/LA | 2.5 | 5.9 | 34 | 79 | 0.78 |
| 63JM/25/2/3/... | 2910 | 18 | DF112/M | 4.6 | 8.8 | 66 | 86 | 0.87 |
| | | 24 | DF132/MSA | 6.3 | 12 | 84 | 86 | 0.88 |
| | | 28 | DF132/MSB | 8.6 | 16.3 | 114 | 86 | 0.88 |
| | | 32 | DF132/M | 12 | 22 | 165 | 88 | 0.9 |

# Motor Frame Size Schedules:
# H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 63JM/25/4/6/... | 1440 | 36 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 63JM/25/2/6/... | 2910 | 12 | DF112/M | 4.6 | 8.8 | 66 | 86 | 0.87 |
| | | 16 | DF132/MSA | 6.3 | 12 | 84 | 86 | 0.88 |
| | | 20 | DF132/MSB | 8.6 | 16.3 | 114 | 86 | 0.88 |
| | | 26 | DF132/M | 12 | 22 | 165 | 88 | 0.9 |
| | | 28 | DF160/LMA | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 36 | DF160/LMB | 17.3 | 32 | 240 | 88 | 0.89 |
| 63JM/25/6/9/... | 935 | 40 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| 63JM/25/4/9/... | 1440 | 40 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 63JM/25/2/9/... | 2910 | 8 | DF112/M | 4.6 | 8.8 | 66 | 86 | 0.87 |
| | | 12 | DF132/MSA | 6.3 | 12 | 84 | 86 | 0.88 |
| | | 16 | DF132/MSB | 8.6 | 16.3 | 114 | 86 | 0.88 |
| | | 22 | DF132/M | 12 | 22 | 165 | 88 | 0.9 |
| | | 22 | DF160/LMA | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 28 | DF160/LMB | 17.3 | 32 | 240 | 88 | 0.89 |
| | | 36 | DF160/L | 22 | 38 | 285 | 90 | 0.91 |
| | | 40 | DF160/LKE | 30 | 53 | 398 | 90 | 0.91 |
| 71JM/20/8/3/... | 680 | 26 | D80/A | 0.2 | 1.1 | 3 | 56 | 0.47 |
| | | 34 | D80/B | 0.28 | 1.4 | 4 | 58 | 0.5 |
| | | 36 | D90/LNS | 0.42 | 2 | 6 | 60 | 0.51 |
| 71JM/20/6/3/... | 900 | 28 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| | | 36 | D80/B | 0.65 | 2.2 | 8 | 68 | 0.63 |
| 71JM/20/4/3/... | 1440 | 16 | D80/B | 0.9 | 2.5 | 11 | 76 | 0.69 |
| | | 24 | D90/LNS | 1.35 | 3.2 | 16 | 77 | 0.73 |
| | | 28 | D90/LN | 1.75 | 4.4 | 22 | 78 | 0.73 |
| | | 36 | D100/LA | 2.5 | 5.9 | 34 | 79 | 0.78 |
| 71JM/20/8/6/... | 680 | 16 | D80/A | 0.2 | 1.1 | 3 | 56 | 0.47 |
| | | 22 | D80/B | 0.28 | 1.4 | 4 | 58 | 0.5 |
| | | 32 | D90/LNS | 0.42 | 2 | 6 | 60 | 0.51 |
| | | 36 | D90/LN | 0.63 | 2.7 | 8 | 63 | 0.64 |
| 71JM/20/6/6/... | 900 | 18 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| | | 26 | D80/B | 0.65 | 2.2 | 8 | 68 | 0.63 |
| | | 34 | D90/LNS | 0.85 | 2.9 | 10 | 65 | 0.67 |
| | | 36 | D90/LN | 1.25 | 3.8 | 13 | 70 | 0.68 |
| 71JM/20/4/6/... | 1440 | 14 | D90/LNS | 1.35 | 3.2 | 16 | 77 | 0.73 |
| | | 18 | D90/LN | 1.75 | 4.4 | 22 | 78 | 0.73 |
| | | 24 | D100/LA | 2.5 | 5.9 | 34 | 79 | 0.78 |
| | | 32 | D100/LB | 3.5 | 8.1 | 49 | 82 | 0.76 |
| | | 36 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 71JM/25/4/3/... | 1440 | 32 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 71JM/25/8/6/... | 695 | 36 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 71JM/25/6/6/... | 935 | 36 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| 71JM/25/4/6/... | 1440 | 36 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 71JM/25/8/9/... | 695 | 36 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |

# Motor Frame Size Schedules: H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 71JM/25/6/9/... | 935 | 36 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| 71JM/25/4/9/... | 1440 | 36 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 71JM/31/2/9/... | 2910 | 8 | DF132/MSB | 8.6 | 16.3 | 114 | 86 | 0.88 |
| | | 12 | DF132/M | 12 | 22 | 165 | 88 | 0.9 |
| | | 12 | DF160/LMA | 12.6 | 24 | 180 | 87 | 0.87 |
| | | 18 | DF160/LMB | 17.3 | 32 | 240 | 88 | 0.89 |
| | | 22 | DF160/L | 22 | 38 | 285 | 90 | 0.91 |
| | | 28 | DF160/LKE | 30 | 53 | 398 | 90 | 0.91 |
| | | 32 | DF180/LA | 34 | 59 | 443 | 90 | 0.92 |
| | | 38 | DF180/LB | 40 | 68 | 510 | 92 | 0.92 |
| 80JM/20/8/3/... | 695 | 18 | D80/A | 0.2 | 1.1 | 3 | 56 | 0.47 |
| | | 24 | D80/B | 0.28 | 1.4 | 4 | 58 | 0.5 |
| | | 32 | D90/LNS | 0.42 | 2 | 6 | 60 | 0.51 |
| | | 36 | D90/LN | 0.63 | 2.7 | 8 | 63 | 0.64 |
| 80JM/20/6/3/... | 935 | 20 | D80/A | 0.42 | 1.7 | 5 | 64 | 0.57 |
| | | 26 | D80/B | 0.65 | 2.2 | 8 | 68 | 0.63 |
| | | 34 | D90/LNS | 0.85 | 2.9 | 10 | 65 | 0.67 |
| | | 36 | D90/LN | 1.25 | 3.8 | 13 | 70 | 0.68 |
| 80JM/20/4/3/... | 1440 | 16 | D90/LNS | 1.35 | 3.2 | 16 | 77 | 0.73 |
| | | 18 | D90/LN | 1.75 | 4.4 | 22 | 78 | 0.73 |
| | | 24 | D100/LA | 2.5 | 5.9 | 34 | 79 | 0.78 |
| | | 32 | D100/LB | 3.5 | 8.1 | 49 | 82 | 0.76 |
| | | 36 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 80JM/20/8/6/... | 695 | 8 | D80/A | 0.2 | 1.1 | 3 | 56 | 0.47 |
| | | 22 | D90/LNS | 0.42 | 2 | 6 | 60 | 0.51 |
| | | 30 | D90/LN | 0.63 | 2.7 | 8 | 63 | 0.64 |
| | | 36 | D100/LA | 0.85 | 2.7 | 10 | 68 | 0.65 |
| 80JM/20/6/6/... | 935 | 16 | D80/B | 0.65 | 2.2 | 8 | 68 | 0.63 |
| | | 22 | D90/LNS | 0.85 | 2.9 | 10 | 65 | 0.67 |
| | | 28 | D90/LN | 1.25 | 3.8 | 13 | 70 | 0.68 |
| | | 36 | D100/L | 1.7 | 5.4 | 22 | 74 | 0.62 |
| 80JM/20/4/6/... | 1440 | 10 | D90/LN | 1.75 | 4.4 | 22 | 78 | 0.73 |
| | | 16 | D100/LA | 2.5 | 5.9 | 34 | 79 | 0.78 |
| | | 20 | D100/LB | 3.5 | 8.1 | 49 | 82 | 0.76 |
| | | 26 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 80JM/25/8/3/... | 695 | 32 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 80JM/25/6/3/... | 935 | 32 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| 80JM/25/4/3/... | 1440 | 32 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 80JM/25/8/6/... | 695 | 36 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 80JM/25/6/6/... | 935 | 36 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| 80JM/25/4/6/... | 1440 | 30 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| | | 36 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| 80JM/25/8/9/... | 695 | 36 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 80JM/25/6/9/... | 935 | 36 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |

# Motor Frame Size Schedules: H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 80JM/25/4/9/... | 1440 | 24 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| | | 30 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 36 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| 90JM/25/8/3/... | 695 | 32 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 90JM/25/6/3/... | 935 | 32 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| | 1440 | 32 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| 90JM/25/8/6/... | 695 | 32 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 90JM/25/6/6/... | 935 | 32 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| 90JM/25/4/6/... | 1440 | 22 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| | | 26 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 32 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| 90JM/25/8/9/... | 695 | 36 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 90JM/25/6/9/... | 935 | 28 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| | | 36 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| 90JM/25/4/9/... | 1440 | 14 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| | | 18 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 28 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 34 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 36 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| 100JM/25/8/3/... | 695 | 32 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 100JM/25/6/3/... | 935 | 32 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| 100JM/25/4/3/... | 1440 | 22 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| | | 28 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 32 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| 100JM/25/8/6/... | 695 | 32 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| 100JM/25/6/6/... | 950 | 26 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| | | 32 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| 100JM/25/4/6/... | 1450 | 12 | DF112/M | 4.6 | 9.8 | 59 | 84 | 0.81 |
| | | 18 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 26 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 30 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 32 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| 100JM/25/8/9/... | 695 | 26 | DF112/M | 1.7 | 5.7 | 23 | 70 | 0.7 |
| | | 36 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| 100JM/25/6/9/... | 960 | 18 | DF112/M | 2.5 | 6.9 | 31 | 77 | 0.68 |
| | | 26 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| | | 32 | DF132/MA | 4.6 | 10.5 | 58 | 83 | 0.76 |
| | | 36 | DF132/MB | 6.3 | 14.2 | 78 | 84 | 0.76 |
| 100JM/25/4/9/... | 1470 | 12 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 20 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 24 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 30 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 36 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |

# Motor Frame Size Schedules: H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 100JM/31/4/9/... | 1470 | 12 | DF132/MS | 6.3 | 13.1 | 85 | 85 | 0.81 |
| | | 20 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 22 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 30 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 36 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| 100JM/40/4/9/... | 1470 | 16 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 20 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 26 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 32 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 34 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 40 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| 112JM/40/8/6/... | 720 | 26 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| | | 32 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| 112JM/40/6/6/... | 960 | 18 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| | | 22 | DF132/MA | 4.6 | 10.5 | 58 | 83 | 0.76 |
| | | 28 | DF132/MB | 6.3 | 14.2 | 78 | 84 | 0.76 |
| | | 30 | DF132/MB | 7 | 15.5 | 85 | 85 | 0.76 |
| | | 32 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| 112JM/40/4/6/... | 1470 | 14 | DF132/M | 10 | 20 | 140 | 87 | 0.83 |
| | | 16 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 22 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 26 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 28 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 32 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| 112JM/40/8/9/... | 720 | 22 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| | | 28 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 36 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| 112JM/40/6/9/... | 960 | 12 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| | | 18 | DF132/MA | 4.6 | 10.5 | 58 | 83 | 0.76 |
| | | 24 | DF132/MB | 6.3 | 14.2 | 78 | 84 | 0.76 |
| | | 26 | DF132/MB | 7 | 15.5 | 85 | 85 | 0.76 |
| | | 28 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| | | 36 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| 112JM/40/4/9/... | 1470 | 12 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 16 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 20 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 24 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 28 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| | | 28 | DF180/LB | 35 | 62 | 434 | 91 | 0.9 |
| | | 30 | W200/LF | 40 | 78 | 507 | 92 | 0.81 |
| | | 36 | W200/LFR | 50 | 96 | 624 | 92 | 0.82 |
| 112JM/50/8/12/... | 720 | 20 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| | | 26 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 34 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| | | 36 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| 112JM/50/6/12/... | 960 | 10 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| | | 16 | DF132/MA | 4.6 | 10.5 | 58 | 83 | 0.76 |
| | | 22 | DF132/MB | 6.3 | 14.2 | 78 | 84 | 0.76 |
| | | 24 | DF132/MB | 7 | 15.5 | 85 | 85 | 0.76 |
| | | 26 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| | | 34 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| | | 36 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |

# Motor Frame Size Schedules: H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 112JM/50/4/12/... | 1470 | 8 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 16 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 20 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 22 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 26 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| | | 26 | DF180/LB | 35 | 62 | 434 | 91 | 0.9 |
| | | 28 | W200/LF | 40 | 78 | 507 | 92 | 0.81 |
| | | 34 | W200/LFR | 50 | 96 | 624 | 92 | 0.82 |
| | | 36 | W225/M | 60 | 112 | 840 | 93 | 0.83 |
| 125JM/40/8/6/... | 720 | 18 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| | | 24 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 32 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| 125JM/40/6/6/... | 960 | 12 | DF132/MS | 3.5 | 8 | 44 | 83 | 0.76 |
| | | 16 | DF132/MA | 4.6 | 10.5 | 58 | 83 | 0.76 |
| | | 20 | DF132/MB | 6.3 | 14.2 | 78 | 84 | 0.76 |
| | | 22 | DF132/MB | 7 | 15.5 | 85 | 85 | 0.76 |
| | | 24 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| | | 32 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| 125JM/40/4/6/... | 1470 | 10 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 14 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 18 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 20 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 24 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| | | 24 | DF180/LB | 35 | 62 | 434 | 91 | 0.9 |
| | | 26 | W200/LF | 40 | 78 | 507 | 92 | 0.81 |
| | | 32 | W200/LFR | 50 | 96 | 624 | 92 | 0.82 |
| 125JM/40/8/9/... | 720 | 14 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| | | 18 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 26 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| | | 30 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 36 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| 125JM/40/6/9/... | 960 | 16 | DF132/MB | 6.3 | 14.2 | 78 | 84 | 0.76 |
| | | 16 | DF132/MB | 7 | 15.5 | 85 | 85 | 0.76 |
| | | 18 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| | | 26 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| | | 34 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 36 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| 125JM/40/4/9/... | 1470 | 10 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 12 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 16 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 18 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| | | 20 | DF180/LB | 35 | 62 | 434 | 91 | 0.9 |
| | | 20 | W200/LF | 40 | 78 | 507 | 92 | 0.81 |
| | | 24 | W200/LFR | 50 | 96 | 624 | 92 | 0.82 |
| | | 28 | W225/M | 60 | 112 | 840 | 93 | 0.83 |
| | | 32 | W225/MF | 73 | 135 | 1010 | 93 | 0.84 |
| | | 36 | W250/M | 99 | 179 | 1160 | 94 | 0.85 |
| 125JM/50/8/6/... | 720 | 18 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| | | 24 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 32 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| 125JM/50/4/6/... | 1470 | 10 | DF160/LM | 12.6 | 24 | 168 | 87 | 0.87 |
| | | 14 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 18 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 20 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 24 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| | | 24 | DF180/LB | 35 | 62 | 434 | 91 | 0.9 |
| | | 26 | W200/LF | 40 | 78 | 507 | 92 | 0.81 |
| | | 30 | W200/LFR | 50 | 96 | 624 | 92 | 0.82 |
| | | 32 | W225/M | 60 | 112 | 840 | 93 | 0.83 |

# Motor Frame Size Schedules: H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 125JM/50/4/9/... | 1470 | 10 | DF160/L | 17.3 | 32 | 240 | 89 | 0.88 |
| | | 14 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 16 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 20 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| | | 20 | DF180/LB | 35 | 62 | 434 | 91 | 0.9 |
| | | 22 | W200/LF | 40 | 78 | 507 | 92 | 0.81 |
| | | 26 | W200/LFR | 50 | 96 | 624 | 92 | 0.82 |
| | | 30 | W225/M | 60 | 112 | 840 | 93 | 0.83 |
| | | 34 | W225/MF | 73 | 135 | 1010 | 93 | 0.84 |
| | | 36 | W250/M | 99 | 179 | 1160 | 94 | 0.85 |
| 125JM/50/8/12/... | 720 | 10 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| | | 16 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 22 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| | | 26 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 34 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| | | 36 | DF160/LKE | 13 | 28 | 182 | 86 | 0.76 |
| 125JM/50/6/12/... | 960 | 12 | DF132/MB | 6.3 | 14.2 | 78 | 84 | 0.76 |
| | | 14 | DF132/MB | 7 | 15.5 | 85 | 85 | 0.76 |
| | | 16 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| | | 22 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| | | 30 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 34 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| | | 36 | DF180/LB | 24 | 46 | 299 | 89 | 0.86 |
| 125JM/50/4/12/... | 1470 | 10 | DF160/LAK | 22 | 40 | 300 | 89 | 0.88 |
| | | 12 | DF160/LBK | 25 | 44 | 330 | 90 | 0.91 |
| | | 16 | DF160/LKE | 32 | 58 | 435 | 90 | 0.91 |
| | | 16 | DF180/LB | 35 | 62 | 434 | 91 | 0.9 |
| | | 18 | W200/LF | 40 | 78 | 507 | 92 | 0.81 |
| | | 22 | W200/LFR | 50 | 96 | 624 | 92 | 0.82 |
| | | 26 | W225/M | 60 | 112 | 840 | 93 | 0.83 |
| | | 30 | W225/MF | 73 | 135 | 1010 | 93 | 0.84 |
| | | 36 | W250/M | 99 | 179 | 1160 | 94 | 0.85 |
| 140JM/40/8/6/... | 720 | 12 | DF132/MS | 2.7 | 7.1 | 39 | 78 | 0.7 |
| | | 16 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 22 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| | | 26 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 34 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| | | 36 | DF160/LKE | 13 | 28 | 182 | 86 | 0.76 |
| 140JM/40/6/6/... | 960 | 12 | DF132/MB | 6.3 | 14.2 | 78 | 84 | 0.76 |
| | | 14 | DF132/MB | 7 | 15.5 | 85 | 85 | 0.76 |
| | | 16 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| | | 22 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| | | 30 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 34 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| | | 36 | DF180/LB | 24 | 46 | 299 | 89 | 0.86 |
| 140JM/40/8/9/... | 720 | 10 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 18 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| | | 20 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 26 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| | | 34 | DF160/LKE | 13 | 28 | 182 | 86 | 0.76 |
| | | 36 | DF180/LA | 15.5 | 33 | 231 | 88 | 0.73 |
| 140JM/40/6/9/... | 960 | 10 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| | | 18 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| | | 24 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 26 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| | | 30 | DF180/LB | 24 | 46 | 299 | 89 | 0.86 |
| | | 30 | W200/LFG | 27 | 55 | 330 | 90 | 0.79 |
| | | 34 | W200/LF | 32 | 65 | 390 | 90 | 0.79 |
| | | 36 | W200/LFR | 41 | 83 | 498 | 90 | 0.79 |

# Motor Frame Size Schedules: H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 140JM/50/8/9/... | 720 | 12 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 18 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| | | 22 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 28 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| | | 34 | DF160/LKE | 13 | 28 | 182 | 86 | 0.76 |
| | | 36 | DF180/LA | 15.5 | 33 | 231 | 88 | 0.73 |
| 140JM/50/8/12/... | 720 | 8 | DF132/M | 3.7 | 9.6 | 55 | 78 | 0.7 |
| | | 14 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| | | 18 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 24 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| | | 30 | DF160/LKE | 13 | 28 | 182 | 86 | 0.76 |
| | | 34 | DF180/LA | 15.5 | 33 | 231 | 88 | 0.73 |
| | | 36 | DF180/LB | 18.5 | 39 | 273 | 89 | 0.74 |
| 140JM/50/6/12/... | 960 | 8 | DF160/LM | 8.6 | 18.5 | 111 | 87 | 0.77 |
| | | 14 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| | | 22 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 24 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| | | 26 | DF180/LB | 24 | 46 | 299 | 89 | 0.86 |
| | | 28 | W200/LFG | 27 | 55 | 330 | 90 | 0.79 |
| | | 32 | W200/LF | 32 | 65 | 390 | 90 | 0.79 |
| | | 36 | W200/LFR | 41 | 83 | 498 | 90 | 0.79 |
| 160JM/40/8/6/... | 720 | 14 | DF160/LMA | 5.5 | 12.1 | 73 | 84 | 0.75 |
| | | 16 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 20 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| | | 26 | DF160/LKE | 13 | 28 | 182 | 86 | 0.76 |
| | | 30 | DF180/LA | 15.5 | 33 | 231 | 88 | 0.73 |
| | | 32 | DF180/LB | 18.5 | 39 | 273 | 89 | 0.74 |
| 160JM/40/6/6/... | 960 | 14 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| | | 20 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 22 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| | | 24 | DF180/LB | 24 | 46 | 299 | 89 | 0.86 |
| | | 24 | W200/LFG | 27 | 55 | 330 | 90 | 0.79 |
| | | 28 | W200/LF | 32 | 65 | 390 | 90 | 0.79 |
| | | 32 | W200/LFR | 41 | 83 | 498 | 90 | 0.79 |
| 160JM/40/8/9/... | 720 | 10 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 16 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| | | 20 | DF160/LKE | 13 | 28 | 182 | 86 | 0.76 |
| | | 24 | DF180/LA | 15.5 | 33 | 231 | 88 | 0.73 |
| | | 28 | DF180/LB | 18.5 | 39 | 273 | 89 | 0.74 |
| | | 30 | W200/LF | 22 | 49 | 270 | 89 | 0.73 |
| | | 36 | W200/LFR | 27 | 60 | 330 | 89 | 0.73 |
| 160JM/40/6/9/... | 960 | 14 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 16 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| | | 18 | DF180/LB | 24 | 46 | 299 | 89 | 0.86 |
| | | 20 | W200/LFG | 27 | 55 | 330 | 90 | 0.79 |
| | | 22 | W200/LF | 32 | 65 | 390 | 90 | 0.79 |
| | | 26 | W200/LFR | 41 | 83 | 498 | 90 | 0.79 |
| | | 26 | W225/M | 43 | 87 | 522 | 92 | 0.78 |
| | | 32 | W225/MF | 53 | 108 | 648 | 92 | 0.77 |
| | | 36 | W250/M | 62 | 120 | 720 | 93 | 0.8 |
| 160JM/50/6/9/... | 960 | 10 | DF160/L | 12.6 | 27 | 162 | 87 | 0.77 |
| | | 14 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 16 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| | | 18 | DF180/LB | 24 | 46 | 299 | 89 | 0.86 |
| | | 20 | W200/LFG | 27 | 55 | 330 | 90 | 0.79 |
| | | 22 | W200/LF | 32 | 65 | 390 | 90 | 0.79 |
| | | 26 | W200/LFR | 41 | 83 | 498 | 90 | 0.79 |
| | | 26 | W225/M | 43 | 87 | 522 | 92 | 0.78 |
| | | 32 | W225/MF | 53 | 108 | 648 | 92 | 0.77 |
| | | 34 | W250/M | 62 | 120 | 720 | 93 | 0.8 |
| | | 36 | W250/MF | 76 | 145 | 870 | 93 | 0.81 |

# Motor Frame Size Schedules: H.T. 300/1

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Pitch Angle Range (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l. (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 160JM/50/8/12/... | 720 | 8 | DF160/LMB | 7 | 15.3 | 92 | 85 | 0.75 |
| | | 12 | DF160/L | 9.5 | 21 | 137 | 85 | 0.75 |
| | | 18 | DF160/LKE | 13 | 28 | 182 | 86 | 0.76 |
| | | 20 | DF180/LA | 15.5 | 33 | 231 | 88 | 0.73 |
| | | 24 | DF180/LB | 18.5 | 39 | 273 | 89 | 0.74 |
| | | 26 | W200/LF | 22 | 49 | 270 | 89 | 0.73 |
| | | 30 | W200/LFR | 27 | 60 | 330 | 89 | 0.73 |
| | | 36 | W225/M | 32 | 69 | 380 | 91 | 0.74 |
| 160JM/50/6/12/... | 960 | 10 | DF160/LKE | 18 | 36 | 216 | 88 | 0.81 |
| | | 12 | DF180/LA | 21 | 40 | 260 | 89 | 0.85 |
| | | 14 | DF180/LB | 24 | 46 | 299 | 89 | 0.86 |
| | | 16 | W200/LFG | 27 | 55 | 330 | 90 | 0.79 |
| | | 18 | W200/LF | 32 | 65 | 390 | 90 | 0.79 |
| | | 22 | W200/LFR | 41 | 83 | 498 | 90 | 0.79 |
| | | 24 | W225/M | 43 | 87 | 522 | 92 | 0.78 |
| | | 28 | W225/MF | 53 | 108 | 648 | 92 | 0.77 |
| | | 30 | W250/M | 62 | 120 | 720 | 93 | 0.8 |
| | | 36 | W250/MF | 76 | 145 | 870 | 93 | 0.81 |

# Motor Frame Size Schedules:
# H.T. 300/1: Two Speed (Full & Half Pole Change)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 31JM/16/4-6/5/... | 1420 | 40 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| 35JM/16/4-6/5/... | 1420 | 40 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| 40JM/16/4-6/5/... | 1420 | 40 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| 45JM/16/4-6/5/... | 1420 | 32 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 40 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| 45JM/20/6-8/3/... | 900 | 36 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| 45JM/20/4-6/3/... | 1420 | 36 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| 45JM/20/6-8/6/... | 900 | 40 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| 45JM/20/4-6/6/... | 1420 | 32 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 40 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| 50JM/16/4-6/5/... | 1420 | 22 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 28 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| 50JM/20/6-8/3/... | 915 | 36 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| 50JM/20/4-6/3/... | 1420 | 32 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 36 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| 50JM/20/6-8/6/... | 915 | 40 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| 50JM/20/4-6/6/... | 1420 | 22 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 26 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| | | 34 | D90/LS | 0.67 | 910 | 0.2 | 1.5/0.73 | 7.6/2.2 | 80/60 | 0.79/0.66 |
| | | 40 | D90/LN | 0.9 | 910 | 0.27 | 2.1/1.1 | 10.3/3.2 | 82/62 | 0.77/0.59 |
| 56JM/16/4-6/5/... | 1420 | 14 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 18 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| 56JM/20/6-8/3/... | 900 | 36 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| 56JM/20/4-6/3/... | 1420 | 22 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 28 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| | | 32 | D90/LS | 0.67 | 910 | 0.2 | 1.5/0.73 | 7.6/2.2 | 80/60 | 0.79/0.66 |
| | | 36 | D90/LN | 0.9 | 910 | 0.27 | 2.1/1.1 | 10.3/3.2 | 82/62 | 0.77/0.59 |
| 56JM/20/6-8/6/... | 900 | 40 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| 56JM/20/4-6/6/... | 1420 | 12 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 18 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| | | 22 | D90/LS | 0.67 | 910 | 0.2 | 1.5/0.73 | 7.6/2.2 | 80/60 | 0.79/0.66 |
| | | 28 | D90/LN | 0.9 | 910 | 0.27 | 2.1/1.1 | 10.3/3.2 | 82/62 | 0.77/0.59 |
| | | 40 | D100/LA | 1.7 | 940 | 0.49 | 4.2/2.3 | 25.2/8.1 | 78/56 | 0.75/0.61 |
| 63JM/20/6-8/3/... | 900 | 34 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| | | 36 | D90/L | 0.6 | 680 | 0.08 | 2.5/1.2 | 10.2/3.0 | 68/54 | 0.50/055 |
| 63JM/20/4-6/3/... | 1420 | 10 | D80/A | 0.37 | 920 | 0.11 | 1.4/0.55 | 4.9/1.4 | 70/52 | 0.55/0.55 |
| | | 14 | D80/B | 0.5 | 920 | 0.15 | 1.2/0.64 | 5.3/1.6 | 80/55 | 0.77/0.62 |
| | | 18 | D90/LS | 0.67 | 910 | 0.2 | 1.5/0.73 | 7.6/2.2 | 80/60 | 0.79/0.66 |
| | | 24 | D90/LN | 0.9 | 910 | 0.27 | 2.1/1.1 | 10.3/3.2 | 82/62 | 0.77/0.59 |
| | | 36 | D100/LA | 1.7 | 940 | 0.49 | 4.2/2.3 | 25.2/8.1 | 78/56 | 0.75/0.61 |

# Motor Frame Size Schedules:
# H.T. 300/1: Two Speed (Full & Half Pole Change)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 63JM/20/6-8/6/... | 900 | 24 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| | | 32 | D90/L | 0.6 | 680 | 0.08 | 2.5/1.2 | 10.2/3.0 | 68/54 | 0.50/055 |
| | | 36 | D100/LA | 1 | 690 | 0.42 | 3.5/1.6 | 13.9/3.3 | 65/54 | 0.64/0.69 |
| 63JM/20/4-6/6/... | 1420 | 10 | D90/LS | 0.67 | 910 | 0.2 | 1.5/0.73 | 7.6/2.2 | 80/60 | 0.79/0.66 |
| | | 16 | D90/LN | 0.9 | 910 | 0.27 | 2.1/1.1 | 10.3/3.2 | 82/62 | 0.77/0.59 |
| | | 26 | D100/LA | 1.7 | 940 | 0.49 | 4.2/2.3 | 25.2/8.1 | 78/56 | 0.75/0.61 |
| | | 34 | D100/LA | 2.4 | 940 | 0.8 | 5.9/3.3 | 35.4/11.6 | 78/56 | 0.75/0.61 |
| | | 36 | D100/LB | 3.3 | 940 | 1.1 | 8.1/4.6 | 48.9/16.2 | 78/56 | 0.75/0.61 |
| 63JM/25/6-8/3/... | 935 | 32 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 63JM/25/4-6/3/... | 1440 | 32 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| 63JM/25/6-8/6/... | 935 | 36 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 63JM/25/4-6/6/... | 1440 | 36 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| 63JM/25/6-8/9/... | 935 | 40 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 63JM/25/4-6/9/... | 1440 | 40 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| 71JM/20/6-8/3/... | 900 | 24 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| | | 32 | D90/L | 0.6 | 680 | 0.08 | 2.5/1.2 | 10.2/3.0 | 68/54 | 0.50/055 |
| | | 36 | D100/LA | 1 | 690 | 0.42 | 3.5/1.6 | 13.9/3.3 | 65/54 | 0.64/0.69 |
| 71JM/20/4-6/3/... | 1440 | 10 | D90/LS | 0.67 | 910 | 0.2 | 1.5/0.73 | 7.6/2.2 | 80/60 | 0.79/0.66 |
| | | 14 | D90/LN | 0.9 | 910 | 0.27 | 2.1/1.1 | 10.3/3.2 | 82/62 | 0.77/0.59 |
| | | 26 | D100/LA | 1.7 | 940 | 0.49 | 4.2/2.3 | 25.2/8.1 | 78/56 | 0.75/0.61 |
| | | 32 | D100/LA | 2.4 | 940 | 0.8 | 5.9/3.3 | 35.4/11.6 | 78/56 | 0.75/0.61 |
| | | 36 | D100/LB | 3.3 | 940 | 1.1 | 8.1/4.6 | 48.9/16.2 | 78/56 | 0.75/0.61 |
| 71JM/20/6-8/6/... | 900 | 14 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| | | 20 | D90/L | 0.6 | 680 | 0.08 | 2.5/1.2 | 10.2/3.0 | 68/54 | 0.50/055 |
| | | 30 | D100/LA | 1 | 690 | 0.42 | 3.5/1.6 | 13.9/3.3 | 65/54 | 0.64/0.69 |
| | | 36 | D100/LA | 1.4 | 690 | 0.65 | 4.9/2.5 | 19.6/5.0 | 65/54 | 0.64/0.69 |
| 71JM/20/4-6/6/... | 1440 | 16 | D100/LA | 1.7 | 940 | 0.49 | 4.2/2.3 | 25.2/8.1 | 78/56 | 0.75/0.61 |
| | | 22 | D100/LA | 2.4 | 940 | 0.8 | 5.9/3.3 | 35.4/11.6 | 78/56 | 0.75/0.61 |
| | | 28 | D100/LB | 3.3 | 940 | 1.1 | 8.1/4.6 | 48.9/16.2 | 78/56 | 0.75/0.61 |
| | | 32 | D100/LKE | 3.8 | 940 | 1.3 | 9.4/5.3 | 56.4/18.6 | 78/56 | 0.75/0.61 |
| | | 36 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| 71JM/25/6-8/3/... | 935 | 32 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 71JM/25/4-6/3/... | 1440 | 32 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| 71JM/25/6-8/6/... | 935 | 36 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 71JM/25/4-6/6/... | 1440 | 36 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| 71JM/25/6-8/9/... | 935 | 36 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 71JM/25/4-6/9/... | 1440 | 32 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 36 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| 80JM/20/6-8/3/... | 935 | 14 | D90/LS | 0.4 | 680 | 0.05 | 1.8/0.86 | 7.2/2.2 | 65/52 | 0.50/0.55 |
| | | 22 | D90/L | 0.6 | 680 | 0.08 | 2.5/1.2 | 10.2/3.0 | 68/54 | 0.50/055 |
| | | 30 | D100/LA | 1 | 690 | 0.42 | 3.5/1.6 | 13.9/3.3 | 65/54 | 0.64/0.69 |
| | | 36 | D100/LA | 1.4 | 690 | 0.65 | 4.9/2.5 | 19.6/5.0 | 65/54 | 0.64/0.69 |

# Motor Frame Size Schedules:
# H.T. 300/1: Two Speed (Full & Half Pole Change)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 80JM/20/4-6/3/... | 1440 | 16 | D100/LA | 1.7 | 940 | 0.49 | 4.2/2.3 | 25.2/8.1 | 78/56 | 0.75/0.61 |
| | | 22 | D100/LA | 2.4 | 940 | 0.8 | 5.9/3.3 | 35.4/11.6 | 78/56 | 0.75/0.61 |
| | | 28 | D100/LB | 3.3 | 940 | 1.1 | 8.1/4.6 | 48.9/16.2 | 78/56 | 0.75/0.61 |
| | | 32 | D100/LKE | 3.8 | 940 | 1.3 | 9.4/5.3 | 56.4/18.6 | 78/56 | 0.75/0.61 |
| | | 36 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| 80JM/20/6-8/6/... | 935 | 12 | D90/L | 0.6 | 680 | 0.08 | 2.5/1.2 | 10.2/3.0 | 68/54 | 0.50/055 |
| | | 18 | D100/LA | 1 | 690 | 0.42 | 3.5/1.6 | 13.9/3.3 | 65/54 | 0.64/0.69 |
| | | 26 | D100/LA | 1.4 | 690 | 0.65 | 4.9/2.5 | 19.6/5.0 | 65/54 | 0.64/0.69 |
| | | 30 | D100/LB | 1.8 | 690 | 0.8 | 6.2/3.0 | 24.8/6.0 | 66/55 | 0.64/0.69 |
| | | 34 | D100/LKE | 2.1 | 690 | 0.95 | 7.2/3.5 | 28.8/7.2 | 66/55 | 0.64/0.69 |
| | | 36 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 80JM/20/4-6/6/... | 1440 | 8 | D100/LA | 1.7 | 940 | 0.49 | 4.2/2.3 | 25.2/8.1 | 78/56 | 0.75/0.61 |
| | | 12 | D100/LA | 2.4 | 940 | 0.8 | 5.9/3.3 | 35.4/11.6 | 78/56 | 0.75/0.61 |
| | | 18 | D100/LB | 3.3 | 940 | 1.1 | 8.1/4.6 | 48.9/16.2 | 78/56 | 0.75/0.61 |
| | | 20 | D100/LKE | 3.8 | 940 | 1.3 | 9.4/5.3 | 56.4/18.6 | 78/56 | 0.75/0.61 |
| | | 24 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 28 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| 80JM/25/6-8/3/... | 935 | 32 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 80JM/25/4-6/3/... | 1440 | 32 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| 80JM/25/6-8/6/... | 935 | 36 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 80JM/25/4-6/6/... | 1440 | 28 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 32 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| | | 34 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 36 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| 80JM/25/6-8/9/... | 935 | 32 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| | | 36 | DF112/MK | 2.5 | 690 | 1.15 | 7.8/4.1 | 31.2/8.2 | 72/58 | 0.64/0.69 |
| 80JM/25/4-6/9/... | 1440 | 22 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 26 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| | | 28 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 30 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| | | 34 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 36 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| 90JM/25/6-8/3/... | 935 | 32 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| 90JM/25/4-6/3/... | 1440 | 28 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 32 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| 90JM/25/6-8/6/... | 935 | 28 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| | | 30 | DF112/MK | 2.5 | 690 | 1.15 | 7.8/4.1 | 31.2/8.2 | 72/58 | 0.64/0.69 |
| | | 32 | DF132/MS | 3 | 710 | 1.3 | 7.9/4.1 | 47.5/12.3 | 79/70 | 0.70/0.65 |
| 90JM/25/4-6/6/... | 1440 | 18 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 22 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| | | 24 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 26 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| | | 28 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 32 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| 90JM/25/6-8/9/... | 935 | 20 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| | | 22 | DF112/MK | 2.5 | 690 | 1.15 | 7.8/4.1 | 31.2/8.2 | 72/58 | 0.64/0.69 |
| | | 26 | DF132/MS | 3 | 710 | 1.3 | 7.9/4.1 | 47.5/12.3 | 79/70 | 0.70/0.65 |
| | | 30 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 36 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |

# Motor Frame Size Schedules:
# H.T. 300/1: Two Speed (Full & Half Pole Change)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 90JM/25/4-6/9/... | 1440 | 10 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 14 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| | | 16 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 18 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| | | 20 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 26 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| | | 30 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 36 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| 100JM/25/6-8/3/... | 935 | 30 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| | | 32 | DF112/MK | 2.5 | 690 | 1.15 | 7.8/4.1 | 31.2/8.2 | 72/58 | 0.64/0.69 |
| 100JM/25/4-6/3/... | 1440 | 20 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 24 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| | | 26 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 28 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| | | 30 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 32 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| 100JM/25/6-8/6/... | 950 | 20 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| | | 22 | DF112/MK | 2.5 | 690 | 1.15 | 7.8/4.1 | 31.2/8.2 | 72/58 | 0.64/0.69 |
| | | 24 | DF132/MS | 3 | 710 | 1.3 | 7.9/4.1 | 47.5/12.3 | 79/70 | 0.70/0.65 |
| | | 28 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 32 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| 100JM/25/4-6/6/... | 1450 | 10 | DF112/M | 4.5 | 960 | 1.5 | 10.5/5.6 | 63/19.6 | 82/65 | 0.75/0.61 |
| | | 14 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| | | 16 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 18 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| | | 20 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 24 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| | | 28 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 32 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| 100JM/25/6-8/9/... | 960 | 12 | DF112/M | 2.2 | 690 | 1 | 6.9/3.6 | 27.6/7.2 | 72/58 | 0.64/0.69 |
| | | 16 | DF112/MK | 2.5 | 690 | 1.15 | 7.8/4.1 | 31.2/8.2 | 72/58 | 0.64/0.69 |
| | | 18 | DF132/MS | 3 | 710 | 1.3 | 7.9/4.1 | 47.5/12.3 | 79/70 | 0.70/0.65 |
| | | 20 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 26 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| | | 28 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 36 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| 100JM/25/4-6/9/... | 1470 | 8 | DF112/KE | 5.5 | 960 | 1.85 | 12.8/6.8 | 76.8/23.8 | 82/65 | 0.75/0.61 |
| | | 10 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 12 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| | | 14 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 18 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| | | 20 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 26 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| | | 28 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 32 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| 100JM/31/4-6/9/... | 1470 | 10 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 12 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| | | 14 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 18 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| | | 20 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 26 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| | | 28 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 32 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| | | 30 | DF180/LM | 19.5 | 980 | 6.5 | 39/14.5 | 293/94.3 | 87/85 | 0.83/0.76 |
| | | 34 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |

# Motor Frame Size Schedules:
# H.T. 300/1: Two Speed (Full & Half Pole Change)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 100JM/40/6-8/6/... | 960 | 20 | DF132/MS | 3 | 710 | 1.3 | 7.9/4.1 | 47.5/12.3 | 79/70 | 0.70/0.65 |
| | | 22 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 26 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| | | 28 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 32 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| 100JM/40/4-6/6/... | 1470 | 12 | DF132/MS | 6.2 | 950 | 2 | 12.4/7.0 | 87/28 | 84/58 | 0.83/0.61 |
| | | 12 | DF132/M | 7 | 950 | 2.3 | 14.3/7.5 | 100/30 | 85/70 | 0.83/0.64 |
| | | 14 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 18 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| | | 22 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 28 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| | | 30 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 32 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| 112JM/40/6-8/6/... | 960 | 12 | DF132/MS | 3 | 710 | 1.3 | 7.9/4.1 | 47.5/12.3 | 79/70 | 0.70/0.65 |
| | | 14 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 18 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| | | 20 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 26 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 32 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| 112JM/40/4-6/6/... | 1470 | 8 | DF132/M | 8.1 | 960 | 2.7 | 16.5/8.9 | 116/35.6 | 85/70 | 0.83/0.64 |
| | | 12 | D132/MKE | 10 | 950 | 3.3 | 21.0/10.6 | 147/42.4 | 85/70 | 0.83/0.64 |
| | | 14 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 18 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| | | 20 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 24 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| | | 22 | DF180/LM | 19.5 | 980 | 6.5 | 39/14.5 | 293/94.3 | 87/85 | 0.83/0.76 |
| | | 24 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |
| | | 26 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 30 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 32 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| 112JM/40/6-8/9/... | 960 | 10 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 14 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| | | 16 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 22 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 26 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 34 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 36 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| 112JM/40/4-6/9/... | 1470 | 8 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 14 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| | | 16 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 18 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| | | 16 | DF180/LM | 19.5 | 980 | 6.5 | 39/14.5 | 293/94.3 | 87/85 | 0.83/0.76 |
| | | 20 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |
| | | 22 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 26 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 30 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 34 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 36 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| 112JM/50/6-8/12/... | 960 | 8 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 12 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| | | 14 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 20 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 26 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 32 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 36 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |

# Motor Frame Size Schedules:
# H.T. 300/1: Two Speed (Full & Other P.A.M. Wound)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 112JM/50/4-6/12/... | 1470 | 12 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| | | 14 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 18 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| | | 16 | DF180/LM | 19.5 | 980 | 6.5 | 39/14.5 | 293/94.3 | 87/85 | 0.83/0.76 |
| | | 18 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |
| | | 20 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 24 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 28 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 32 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 36 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| 125JM/40/6-8/6/... | 960 | 8 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 12 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| | | 12 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 18 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 24 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 30 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 32 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| 125JM/40/4-6/6/... | 1470 | 8 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 12 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| | | 14 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 16 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| | | 14 | DF180/LM | 19.5 | 980 | 6.5 | 39/14.5 | 293/94.3 | 87/85 | 0.83/0.76 |
| | | 16 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |
| | | 18 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 22 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 26 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 30 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 32 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| 125JM/40/6-8/9/... | 960 | 8 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 14 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 18 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 24 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 28 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 30 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 34 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 36 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| 125JM/40/4-6/9/... | 1470 | 8 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 10 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| | | 8 | DF180/LM | 19.5 | 980 | 6.5 | 39/14.5 | 293/94.3 | 87/85 | 0.83/0.76 |
| | | 12 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |
| | | 14 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 16 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 20 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 24 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 28 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| | | 34 | W250/M | 79 | 980 | 26 | 142/62 | 994/372 | 93.2/89.2 | 0.86/0.68 |
| | | 36 | W250/MF | 95 | 985 | 31 | 171/74 | 1197/444 | 93.5/89.4 | 0.86/0.68 |
| 125JM/50/6-8/6/... | 960 | 8 | DF132/MA | 3.5 | 910 | 1.5 | 8.8/4.6 | 53/13.8 | 80/71 | 0.72/0.66 |
| | | 12 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| | | 12 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 18 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 24 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 30 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 32 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |

# Motor Frame Size Schedules:
# H.T. 300/1: Two Speed (Full & Other P.A.M. Wound)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 125JM/50/4-6/6/... | 1470 | 8 | DF160/LM | 12 | 970 | 4 | 23.0/10.2 | 161/51 | 87/80 | 0.86/0.70 |
| | | 12 | DF160/L | 16 | 970 | 5.3 | 30.0/13.0 | 210/78 | 89/83 | 0.86/0.70 |
| | | 14 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 16 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| | | 14 | DF180/LM | 19.5 | 980 | 6.5 | 39/14.5 | 293/94.3 | 87/85 | 0.83/0.76 |
| | | 16 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |
| | | 18 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 22 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 26 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 30 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 32 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| 125JM/50/6-8/9/... | 960 | 8 | DF132/MB | 4.5 | 710 | 1.95 | 10.8/5.8 | 65/17.4 | 82/71 | 0.73/0.68 |
| | | 8 | D132/MK | 5.1 | 710 | 2.2 | 12.3/6.5 | 74/19.8 | 82/71 | 0.73/0.68 |
| | | 14 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 20 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 24 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 28 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 30 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 34 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 36 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| 125JM/50/4-6/9/... | 1470 | 8 | DF160/LBK | 18 | 970 | 6 | 34/15 | 238/90 | 89/83 | 0.86/0.70 |
| | | 12 | DF160/LKE | 22 | 980 | 7.3 | 41/18.2 | 287/109 | 89/83 | 0.86/0.70 |
| | | 10 | DF180/LM | 19.5 | 980 | 6.5 | 39/14.5 | 293/94.3 | 87/85 | 0.83/0.76 |
| | | 12 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |
| | | 14 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 18 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 20 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 24 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 28 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| | | 34 | W250/M | 79 | 980 | 26 | 142/62 | 994/372 | 93.2/89.2 | 0.86/0.68 |
| | | 36 | W250/MF | 95 | 985 | 31 | 171/74 | 1197/444 | 93.5/89.4 | 0.86/0.68 |
| 125JM/50/6-8/12/... | 960 | 10 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 16 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 22 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 24 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 26 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 30 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 36 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| 125JM/50/4-6/12/... | 1470 | 8 | DF180/L | 23 | 980 | 7.7 | 45/16.8 | 338/109 | 88/86 | 0.84/0.77 |
| | | 10 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 14 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 18 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 20 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 24 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| | | 32 | W250/M | 79 | 980 | 26 | 142/62 | 994/372 | 93.2/89.2 | 0.86/0.68 |
| | | 36 | W250/MF | 95 | 985 | 31 | 171/74 | 1197/444 | 93.5/89.4 | 0.86/0.68 |
| 140JM/40/6-8/6/... | 960 | 12 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 16 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 20 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 24 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 26 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 30 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 36 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |

# Motor Frame Size Schedules:
# H.T. 300/1: Two Speed (Full & Other P.A.M. Wound)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 140JM/40/6-8/9/... | 960 | 8 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 10 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 16 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 18 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 20 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 24 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 30 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| | | 32 | W225/M | 30 | 730 | 13 | 63/34 | 441/153 | 91/84 | 0.76/0.65 |
| | | 36 | W225/MF | 37 | 730 | 18 | 77/42 | 539/189 | 91/84 | 0.76/0.65 |
| 140JM/50/6-8/9/... | 960 | 8 | DF160/LM | 7.5 | 710 | 3.2 | 16.2/8.2 | 105/32.8 | 85/78 | 0.78/0.72 |
| | | 12 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 16 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 20 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 22 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 24 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 30 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| | | 34 | W225/M | 30 | 730 | 13 | 63/34 | 441/153 | 91/84 | 0.76/0.65 |
| | | 36 | W225/MF | 37 | 730 | 18 | 77/42 | 539/189 | 91/84 | 0.76/0.65 |
| 140JM/50/4-6/9/... | 1470 | 8 | W200/LFG | 26 | 960 | 8 | 48/19 | 312/104 | 90.6/85.1 | 0.86/0.70 |
| | | 10 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 14 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 16 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 20 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| | | 26 | W250/M | 79 | 980 | 26 | 142/62 | 994/372 | 93.2/89.2 | 0.86/0.68 |
| | | 30 | W250/MF | 95 | 985 | 31 | 171/74 | 1197/444 | 93.5/89.4 | 0.86/0.68 |
| 140JM/50/6-8/12/... | 960 | 8 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 14 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 16 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 18 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 22 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 26 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| | | 28 | W225/M | 30 | 730 | 13 | 63/34 | 441/153 | 91/84 | 0.76/0.65 |
| | | 34 | W225/MF | 37 | 730 | 18 | 77/42 | 539/189 | 91/84 | 0.76/0.65 |
| | | 36 | W250/M | 45 | 730 | 20 | 88/48 | 616/216 | 92/88 | 0.80/0.66 |
| 140JM/50/4-6/12/... | 1470 | 8 | W200/LF | 31 | 960 | 10 | 57/24 | 370/132 | 90.8/85.3 | 0.86/0.70 |
| | | 10 | W200/LFR | 38 | 960 | 12 | 70/29 | 455/160 | 91/85.5 | 0.86/0.70 |
| | | 12 | W225/M | 47 | 970 | 15 | 86/35 | 602/210 | 92/87.5 | 0.86/0.70 |
| | | 16 | W225/MF | 58 | 980 | 19 | 104/44 | 728/264 | 92.5/89 | 0.86/0.70 |
| | | 22 | W250/M | 79 | 980 | 26 | 142/62 | 994/372 | 93.2/89.2 | 0.86/0.68 |
| | | 26 | W250/MF | 95 | 985 | 31 | 171/74 | 1197/444 | 93.5/89.4 | 0.86/0.68 |
| 160JM/40/6-8/6/... | 960 | 8 | DF160/L | 10 | 710 | 4.3 | 21/10.5 | 137/42 | 87/79 | 0.80/0.75 |
| | | 12 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 14 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 16 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 18 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 24 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| | | 26 | W225/M | 30 | 730 | 13 | 63/34 | 441/153 | 91/84 | 0.76/0.65 |
| | | 30 | W225/MF | 37 | 730 | 18 | 77/42 | 539/189 | 91/84 | 0.76/0.65 |
| | | 32 | W250/M | 45 | 730 | 20 | 88/48 | 616/216 | 92/88 | 0.80/0.66 |
| 160JM/40/6-8/9/... | 960 | 8 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 10 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 10 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 14 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 18 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| | | 20 | W225/M | 30 | 730 | 13 | 63/34 | 441/153 | 91/84 | 0.76/0.65 |
| | | 24 | W225/MF | 37 | 730 | 18 | 77/42 | 539/189 | 91/84 | 0.76/0.65 |
| | | 26 | W250/M | 45 | 730 | 20 | 88/48 | 616/216 | 92/88 | 0.80/0.66 |
| | | 30 | W250/MF | 55 | 740 | 24 | 107/59 | 749/266 | 93/88 | 0.80/0.66 |

# Motor Frame Size Schedules:

## H.T. 300/1: Two Speed (Full & Other P.A.M. Wound)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 160JM/50/6-8/9/... | 960 | 8 | DF180/LM | 14 | 720 | 6 | 28/14.6 | 182/59 | 87/78 | 0.81/0.77 |
| | | 10 | DF180/L | 17 | 720 | 7.3 | 34/17.8 | 221/71 | 87/78 | 0.84/0.76 |
| | | 12 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 14 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 18 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| | | 20 | W225/M | 30 | 730 | 13 | 63/34 | 441/153 | 91/84 | 0.76/0.65 |
| | | 24 | W225/MF | 37 | 730 | 18 | 77/42 | 539/189 | 91/84 | 0.76/0.65 |
| | | 26 | W250/M | 45 | 730 | 20 | 88/48 | 616/216 | 92/88 | 0.80/0.66 |
| | | 30 | W250/MF | 55 | 740 | 24 | 107/59 | 749/266 | 93/88 | 0.80/0.66 |
| 160JM/50/6-8/12/... | 960 | 8 | W200/LFG | 18.6 | 720 | 8 | 38/22 | 266/99 | 89/82 | 0.78/0.65 |
| | | 10 | W200/LF | 22 | 730 | 9.5 | 45/25 | 315/113 | 90/83 | 0.78/0.65 |
| | | 14 | W200/LFR | 27 | 730 | 12 | 55/31 | 385/140 | 90/84 | 0.79/0.65 |
| | | 16 | W225/M | 30 | 730 | 13 | 63/34 | 441/153 | 91/84 | 0.76/0.65 |
| | | 20 | W225/MF | 37 | 730 | 18 | 77/42 | 539/189 | 91/84 | 0.76/0.65 |
| | | 24 | W250/M | 45 | 730 | 20 | 88/48 | 616/216 | 92/88 | 0.80/0.66 |
| | | 26 | W250/MF | 55 | 740 | 24 | 107/59 | 749/266 | 93/88 | 0.80/0.66 |

# Motor Frame Size Schedules: H.T. 400/2

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Max. Pitch Angle (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 31JM/16/2/5/... | 2840 | 40 | D80/A | 0.75 | 1.8 | 9.9 | 78 | 0.77 |
| 45JM/20/2/6/... | 2910 | 8 | D80/A | 0.75 | 1.8 | 9.9 | 78 | 0.77 |
| | | 12 | D80/B | 1.1 | 2.6 | 16.3 | 79 | 0.8 |
| | | 16 | D90/LNS | 1.5 | 3.3 | 22.3 | 76 | 0.86 |
| | | 22 | D90/L | 2.2 | 4.6 | 34.5 | 81 | 0.86 |
| | | 28 | D100/L | 3 | 5.8 | 43.5 | 84 | 0.9 |
| | | 36 | DF112/M | 4 | 7.5 | 56.3 | 86 | 0.9 |
| 50JM/16/4/5/... | 1420 | 30 | D80/A | 0.55 | 1.6 | 6.4 | 73 | 0.7 |
| | | 38 | D80/B | 0.75 | 1.9 | 8.6 | 77 | 0.7 |
| 50JM/20/4/6/... | 1420 | 28 | D80/A | 0.55 | 1.6 | 6.4 | 73 | 0.7 |
| | | 36 | D80/B | 0.75 | 1.9 | 8.6 | 77 | 0.7 |
| 56JM/16/4/5/... | 1420 | 20 | D80/A | 0.55 | 1.6 | 6.4 | 73 | 0.7 |
| | | 26 | D80/B | 0.75 | 1.9 | 8.6 | 77 | 0.7 |
| 56JM/20/4/3/... | 1420 | 28 | D80/A | 0.55 | 1.6 | 6.4 | 73 | 0.7 |
| | | 34 | D80/B | 0.75 | 1.9 | 8.6 | 77 | 0.7 |
| | | 36 | D90/LNS | 1.1 | 3.1 | 14 | 79 | 0.65 |
| 56JM/20/4/6/... | 1420 | 18 | D80/A | 0.55 | 1.6 | 6.4 | 73 | 0.7 |
| | | 24 | D80/B | 0.75 | 1.9 | 8.6 | 77 | 0.7 |
| | | 32 | D90/LNS | 1.1 | 3.1 | 14 | 79 | 0.65 |
| | | 40 | D90/LN | 1.5 | 3.7 | 19.4 | 82 | 0.71 |
| 63JM/20/6/3/... | 900 | 32 | D80/A | 0.37 | 1.4 | 4.2 | 65 | 0.58 |
| | | 36 | D80/B | 0.55 | 1.7 | 6.4 | 70 | 0.64 |
| 63JM/20/4/3/... | 1420 | 14 | D80/A | 0.55 | 1.6 | 6.4 | 73 | 0.7 |
| | | 20 | D80/B | 0.75 | 1.9 | 8.6 | 77 | 0.7 |
| | | 26 | D90/LNS | 1.1 | 3.1 | 14 | 79 | 0.65 |
| | | 34 | D90/LN | 1.5 | 3.7 | 19.4 | 82 | 0.71 |
| | | 36 | D100/LA | 2.2 | 5.2 | 30.2 | 79 | 0.78 |
| 63JM/20/6/6/... | 900 | 22 | D80/A | 0.37 | 1.4 | 4.2 | 65 | 0.58 |
| | | 30 | D80/B | 0.55 | 1.7 | 6.4 | 70 | 0.64 |
| | | 36 | D90/SN | 0.75 | 2.4 | 9 | 71 | 0.62 |
| 63JM/20/4/6/... | 1420 | 8 | D80/A | 0.55 | 1.6 | 6.4 | 73 | 0.7 |
| | | 12 | D80/B | 0.75 | 1.9 | 8.6 | 77 | 0.7 |
| | | 18 | D90/LNS | 1.1 | 3.1 | 14 | 79 | 0.65 |
| | | 24 | D90/LN | 1.5 | 3.7 | 19.4 | 82 | 0.71 |
| | | 32 | D100/LA | 2.2 | 5.2 | 30.2 | 79 | 0.78 |
| | | 36 | D100/LB | 3 | 7.1 | 44.7 | 82 | 0.75 |
| 63JM/25/6/3/... | 935 | 32 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 63JM/25/4/3/... | 1440 | 32 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| 63JM/25/4/3/... | 1440 | 32 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| 63JM/25/6/6/... | 935 | 36 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 63JM/25/4/6/... | 1440 | 36 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| 63JM/25/6/9/... | 935 | 40 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 63JM/25/4/9/... | 1440 | 40 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| 71JM/20/6/3/... | 900 | 22 | D80/A | 0.37 | 1.4 | 4.2 | 65 | 0.58 |
| | | 28 | D80/B | 0.55 | 1.7 | 6.4 | 70 | 0.64 |
| | | 36 | D90/SN | 0.75 | 2.4 | 9 | 71 | 0.62 |

# Motor Frame Size Schedules: H.T. 400/2

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Max. Pitch Angle (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 71JM/20/4/3/... | 1440 | 10 | D80/B | 0.75 | 1.9 | 8.6 | 77 | 0.7 |
| | | 16 | D90/LNS | 1.1 | 3.1 | 14 | 79 | 0.65 |
| | | 22 | D90/LN | 1.5 | 3.7 | 19.4 | 82 | 0.71 |
| | | 30 | D100/LA | 2.2 | 5.2 | 30.2 | 79 | 0.78 |
| | | 36 | D100/LB | 3 | 7.1 | 44.7 | 82 | 0.75 |
| 71JM/20/6/6/... | 900 | 12 | D80/A | 0.37 | 1.4 | 4.2 | 65 | 0.58 |
| | | 18 | D80/B | 0.55 | 1.7 | 6.4 | 70 | 0.64 |
| | | 24 | D90/SN | 0.75 | 2.4 | 9 | 71 | 0.62 |
| | | 34 | D90/LN | 1.1 | 3.2 | 12 | 75 | 0.66 |
| | | 36 | D100/L | 1.5 | 4.5 | 20.3 | 75 | 0.65 |
| 71JM/20/4/6/... | 1440 | 8 | D90/LNS | 1.1 | 3.1 | 14 | 79 | 0.65 |
| | | 12 | D90/LN | 1.5 | 3.7 | 19.4 | 82 | 0.71 |
| | | 20 | D100/LA | 2.2 | 5.2 | 30.2 | 79 | 0.78 |
| | | 26 | D100/LB | 3 | 7.1 | 44.7 | 82 | 0.75 |
| | | 32 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| 71JM/25/6/3/... | 935 | 32 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 71JM/25/4/3/... | 1440 | 32 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| 71JM/25/6/6/... | 935 | 36 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 71JM/25/4/6/... | 1440 | 36 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| 71JM/25/6/9/... | 935 | 36 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 71JM/25/4/9/... | 1440 | 30 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| | | 36 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| 80JM/20/6/3/... | 935 | 12 | D80/A | 0.37 | 1.4 | 4.2 | 65 | 0.58 |
| | | 18 | D80/B | 0.55 | 1.7 | 6.4 | 70 | 0.64 |
| | | 24 | D90/SN | 0.75 | 2.4 | 9 | 71 | 0.62 |
| | | 32 | D90/LN | 1.1 | 3.2 | 12 | 75 | 0.66 |
| | | 36 | D100/L | 1.5 | 4.5 | 20.3 | 75 | 0.65 |
| 80JM/20/6/6/... | 935 | 10 | D80/B | 0.55 | 1.7 | 6.4 | 70 | 0.64 |
| | | 14 | D90/SN | 0.75 | 2.4 | 9 | 71 | 0.62 |
| | | 22 | D90/LN | 1.1 | 3.2 | 12 | 75 | 0.66 |
| | | 28 | D100/L | 1.5 | 4.5 | 20.3 | 75 | 0.65 |
| | | 36 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 80JM/25/6/3/... | 935 | 32 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 80JM/25/4/3/... | 1440 | 32 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| 80JM/25/6/6/... | 935 | 36 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| 80JM/25/4/6/... | 1440 | 26 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| | | 32 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| | | 36 | DF132/M | 7.5 | 15 | 113 | 87 | 0.83 |
| 80JM/25/6/9/... | 935 | 32 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| | | 36 | DF132/MS | 3 | 6.8 | 41 | 82 | 0.77 |
| 80JM/25/4/9/... | 1440 | 20 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| | | 26 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| | | 32 | DF132/M | 7.5 | 15 | 113 | 87 | 0.83 |
| | | 36 | DF160/LM | 11 | 20.8 | 135 | 88 | 0.86 |
| 90JM/25/6/3/... | 935 | 32 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |

# Motor Frame Size Schedules: H.T. 400/2

400 V / 50 Hz / 3 ϕ

| Code | Speed rev/min | Max. Pitch Angle (°) | Motor | Motor Rating (kW) | Full Load Current (A) | Starting Current d.o.l (A) | Efficiency % | Power Factor cos Ø |
|---|---|---|---|---|---|---|---|---|
| 90JM/25/4/3/... | 1440 | 26 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| | | 32 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| 90JM/25/6/6/... | 935 | 28 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| | | 32 | DF132/MS | 3 | 6.8 | 41 | 82 | 0.77 |
| 90JM/25/4/6/... | 1440 | 16 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| | | 22 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| | | 28 | DF132/M | 7.5 | 15 | 113 | 87 | 0.83 |
| | | 32 | DF160/LM | 11 | 20.8 | 135 | 88 | 0.86 |
| 90JM/25/6/9/... | 935 | 20 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| | | 26 | DF132/MS | 3 | 6.8 | 41 | 82 | 0.77 |
| | | 34 | DF132/MA | 4 | 9.3 | 51.2 | 83 | 0.74 |
| | | 36 | DF132/MB | 5.5 | 12.8 | 70.4 | 85 | 0.73 |
| 90JM/25/4/9/... | 1440 | 8 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| | | 14 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| | | 20 | DF132/M | 7.5 | 15 | 113 | 87 | 0.83 |
| | | 28 | DF160/LM | 11 | 20.8 | 135 | 88 | 0.86 |
| | | 34 | DF160/L | 15 | 28 | 202 | 90 | 0.87 |
| | | 36 | DF160/LAK | 18.5 | 34 | 255 | 89 | 0.88 |
| 100JM/25/6/3/... | 935 | 30 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| | | 32 | DF132/MS | 3 | 6.8 | 41 | 82 | 0.77 |
| 100JM/25/4/3/... | 1440 | 18 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| | | 24 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| | | 28 | DF132/M | 7.5 | 15 | 113 | 87 | 0.83 |
| | | 32 | DF160/LM | 11 | 20.8 | 135 | 88 | 0.86 |
| 100JM/25/6/6/... | 950 | 20 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| | | 26 | DF132/MS | 3 | 6.8 | 41 | 82 | 0.77 |
| | | 30 | DF132/MA | 4 | 9.3 | 51.2 | 83 | 0.74 |
| | | 32 | DF132/MB | 5.5 | 12.8 | 70.4 | 85 | 0.73 |
| 100JM/25/4/6/... | 1450 | 8 | DF112/M | 4 | 8.7 | 50 | 83 | 0.8 |
| | | 14 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| | | 18 | DF132/M | 7.5 | 15 | 113 | 87 | 0.83 |
| | | 26 | DF160/LM | 11 | 20.8 | 135 | 88 | 0.86 |
| | | 32 | DF160/L | 15 | 28 | 202 | 90 | 0.87 |
| 100JM/25/6/9/... | 960 | 12 | DF112/M | 2.2 | 6.1 | 24.5 | 77 | 0.68 |
| | | 18 | DF132/MS | 3 | 6.8 | 41 | 82 | 0.77 |
| | | 24 | DF132/MA | 4 | 9.3 | 51.2 | 83 | 0.74 |
| | | 30 | DF132/MB | 5.5 | 12.8 | 70.4 | 85 | 0.73 |
| | | 36 | DF160/LM | 7.5 | 16.6 | 116 | 87 | 0.75 |
| 100JM/25/4/9/... | 1470 | 8 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| | | 12 | DF132/M | 7.5 | 15 | 113 | 87 | 0.83 |
| | | 18 | DF160/LM | 11 | 20.8 | 135 | 88 | 0.86 |
| | | 24 | DF160/L | 15 | 28 | 202 | 90 | 0.87 |
| | | 28 | DF160/LAK | 18.5 | 34 | 255 | 89 | 0.88 |
| | | 32 | DF160/LBK | 21 | 38 | 285 | 89 | 0.88 |
| 100JM/31/4/9/... | 1470 | 8 | DF132/MS | 5.5 | 11.1 | 75.5 | 86 | 0.83 |
| | | 12 | DF132/M | 7.5 | 15 | 113 | 87 | 0.83 |
| | | 18 | DF160/LM | 11 | 20.8 | 135 | 88 | 0.86 |
| | | 24 | DF160/L | 15 | 28 | 202 | 90 | 0.87 |
| | | 28 | DF160/LAK | 18.5 | 34 | 255 | 89 | 0.88 |
| | | 32 | DF160/LBK | 21 | 38 | 285 | 89 | 0.88 |

# Motor Frame Size Schedules:
# H.T. 400/2: Two Speed (Full & Half Pole Change)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 31JM/16/2-4/5/... | 2840 | 32 | D80/A | 0.55 | 1440 | 0.07 | Information available on request | | | |
| | | 40 | D80/B | 0.75 | 1440 | 0.09 | | | | |
| 45JM/20/2-4/3/... | 2910 | 10 | D80/A | 0.55 | 1440 | 0.07 | | | | |
| | | 14 | D80/B | 0.75 | 1440 | 0.09 | | | | |
| | | 20 | D90/LS | 1.1 | 1420 | 0.14 | | | | |
| | | 36 | D100/LA | 3 | 1440 | 0.6 | | | | |
| 45JM/20/2-4/6/... | 2910 | 8 | D80/B | 0.75 | 1440 | 0.09 | | | | |
| | | 12 | D90/LS | 1.1 | 1420 | 0.14 | | | | |
| | | 14 | D90/L | 1.3 | 1420 | 0.16 | | | | |
| | | 28 | D100/LA | 3 | 1440 | 0.6 | | | | |
| | | 36 | DF112/M | 4 | 1440 | 0.85 | | | | |
| 50JM/20/4-8/3/... | 1420 | 32 | D80/A | 0.4 | 700 | 0.05 | | | | |
| | | 36 | D80/B | 0.52 | 700 | 0.07 | | | | |
| 50JM/20/4-8/6/... | 1420 | 22 | D80/A | 0.4 | 700 | 0.05 | | | | |
| | | 26 | D80/B | 0.52 | 700 | 0.07 | | | | |
| | | 32 | D90/LS | 0.67 | 700 | 0.08 | | | | |
| | | 40 | D90/L | 1 | 700 | 0.12 | | | | |
| 56JM/20/4-8/3/... | 1420 | 22 | D80/A | 0.4 | 700 | 0.05 | | | | |
| | | 26 | D80/B | 0.52 | 700 | 0.07 | | | | |
| | | 32 | D90/LS | 0.67 | 700 | 0.08 | | | | |
| | | 36 | D90/L | 1 | 700 | 0.12 | | | | |
| 56JM/20/4-8/6/... | 1420 | 12 | D80/A | 0.4 | 700 | 0.05 | | | | |
| | | 16 | D80/B | 0.52 | 700 | 0.07 | | | | |
| | | 22 | D90/LS | 0.67 | 700 | 0.08 | | | | |
| | | 30 | D90/L | 1 | 700 | 0.12 | | | | |
| | | 40 | D100/LA | 1.85 | 700 | 0.48 | | | | |
| 63JM/20/4-8/3/... | 1420 | 12 | D80/B | 0.52 | 700 | 0.07 | | | | |
| | | 18 | D90/LS | 0.67 | 700 | 0.08 | | | | |
| | | 24 | D90/L | 1 | 700 | 0.12 | | | | |
| | | 36 | D100/LA | 1.85 | 700 | 0.48 | | | | |
| 63JM/20/4-8/6/... | 1420 | 10 | D90/LS | 0.67 | 700 | 0.08 | | | | |
| | | 16 | D90/L | 1 | 700 | 0.12 | | | | |
| | | 28 | D100/LA | 1.85 | 700 | 0.48 | | | | |
| | | 34 | D100/LA | 2.4 | 700 | 0.55 | | | | |
| | | 36 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| 63JM/25/4-8/3/... | 1440 | 32 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| 63JM/25/4-8/6/... | 1440 | 36 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| 63JM/25/4-8/9/... | 1440 | 40 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| 71JM/20/4-8/3/... | 1440 | 14 | D90/L | 1 | 700 | 0.12 | | | | |
| | | 26 | D100/LA | 1.85 | 700 | 0.48 | | | | |
| | | 32 | D100/LA | 2.4 | 700 | 0.55 | | | | |
| | | 36 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| 71JM/20/4-8/6/... | 1440 | 16 | D100/LA | 1.85 | 700 | 0.48 | | | | |
| | | 20 | D100/LA | 2.4 | 700 | 0.55 | | | | |
| | | 30 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| 71JM/25/4-8/3/... | 1440 | 32 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| 71JM/25/4-8/6/... | 1440 | 34 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| | | 36 | DF132/MS | 4.8 | 700 | 1.1 | | | | |

# Motor Frame Size Schedules:
# H.T. 400/2: Two Speed (Full & Half Pole Change)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 71JM/25/4-8/9/... | 1440 | 28 | DF112/M | 3.6 | 700 | 0.75 | Information available on request | | | |
| | | 34 | DF132/MS | 4.8 | 700 | 1.1 | | | | |
| | | 36 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| 80JM/25/4-8/3/... | 1440 | 32 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| 80JM/25/4-8/6/... | 1440 | 24 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| | | 28 | DF132/MS | 4.8 | 700 | 1.1 | | | | |
| | | 36 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| 80JM/25/4-8/9/... | 1440 | 18 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| | | 22 | DF132/MS | 4.8 | 700 | 1.1 | | | | |
| | | 30 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| | | 36 | DF160/LM | 10 | 720 | 2.2 | | | | |
| 90JM/25/4-8/3/... | 1440 | 24 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| | | 30 | DF132/MS | 4.8 | 700 | 1.1 | | | | |
| | | 32 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| 90JM/25/4-8/6/... | 1440 | 14 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| | | 20 | DF132/MS | 4.8 | 700 | 1.1 | | | | |
| | | 26 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| | | 32 | DF160/LM | 10 | 720 | 2.2 | | | | |
| 90JM/25/4-8/9/... | 1440 | 8 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| | | 12 | DF132/MS | 4.8 | 700 | 1.1 | | | | |
| | | 18 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| | | 24 | DF160/LM | 10 | 720 | 2.2 | | | | |
| | | 32 | DF160/L | 13.3 | 720 | 3 | | | | |
| 100JM/25/4-8/3/... | 1440 | 16 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| | | 20 | DF132/MS | 4.8 | 700 | 1.1 | | | | |
| | | 26 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| | | 32 | DF160/LM | 10 | 720 | 2.2 | | | | |
| 100JM/25/4-8/6/... | 1450 | 8 | DF112/M | 3.6 | 700 | 0.75 | | | | |
| | | 10 | DF132/MS | 4.8 | 700 | 1.1 | | | | |
| | | 16 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| | | 24 | DF160/LM | 10 | 720 | 2.2 | | | | |
| | | 28 | DF160/L | 13.3 | 720 | 3 | | | | |
| 100JM/25/4-8/9/... | 1470 | 10 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| | | 16 | DF160/LM | 10 | 720 | 2.2 | | | | |
| | | 22 | DF160/L | 13.3 | 720 | 3 | | | | |
| 100JM/31/4-8/9/... | 1470 | 10 | DF132/M | 6.7 | 700 | 1.5 | | | | |
| | | 16 | DF160/LM | 10 | 720 | 2.2 | | | | |
| | | 22 | DF160/L | 13.3 | 720 | 3 | | | | |
| | | 26 | DF180/LM | 16 | 720 | 3.7 | | | | |
| | | 30 | DF180/L | 20 | 720 | 4.5 | | | | |

# Motor Frame Size Schedules:
# H.T. 400/2: Two Speed (Full & Other P.A.M.Wound)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 50JM/20/4-6/3/... | 1420 | 30 | D80/A | 0.37 | 920 | 0.11 | Information available on request | | | |
| | | 36 | D80/B | 0.5 | 920 | 0.15 | | | | |
| 50JM/20/4-6/6/... | 1420 | 20 | D80/A | 0.37 | 920 | 0.11 | | | | |
| | | 26 | D80/B | 0.5 | 920 | 0.15 | | | | |
| | | 32 | D90/L | 0.67 | 910 | 0.2 | | | | |
| | | 40 | D90/L | 0.9 | 910 | 0.27 | | | | |
| 56JM/20/4-6/3/... | 1420 | 22 | D80/A | 0.37 | 920 | 0.11 | | | | |
| | | 26 | D80/B | 0.5 | 920 | 0.15 | | | | |
| | | 32 | D90/L | 0.67 | 910 | 0.2 | | | | |
| | | 36 | D90/L | 0.9 | 910 | 0.27 | | | | |
| 56JM/20/4-6/6/... | 1420 | 12 | D80/A | 0.37 | 920 | 0.11 | | | | |
| | | 16 | D80/B | 0.5 | 920 | 0.15 | | | | |
| | | 22 | D90/L | 0.67 | 910 | 0.2 | | | | |
| | | 28 | D90/L | 0.9 | 910 | 0.27 | | | | |
| | | 40 | D100/LA | 2 | 940 | 0.6 | | | | |
| 63JM/20/4-6/3/... | 1420 | 8 | D80/A | 0.37 | 920 | 0.11 | | | | |
| | | 12 | D80/B | 0.5 | 920 | 0.15 | | | | |
| | | 18 | D90/L | 0.67 | 910 | 0.2 | | | | |
| | | 24 | D90/L | 0.9 | 910 | 0.27 | | | | |
| | | 36 | D100/LA | 2 | 940 | 0.6 | | | | |
| 63JM/20/4-6/6/... | 1420 | 10 | D90/L | 0.67 | 910 | 0.2 | | | | |
| | | 14 | D90/L | 0.9 | 910 | 0.27 | | | | |
| | | 30 | D100/LA | 2 | 940 | 0.6 | | | | |
| | | 36 | D100/LA | 2.65 | 940 | 0.9 | | | | |
| 63JM/25/4-6/3/... | 1440 | 32 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| 63JM/25/4-6/6/... | 1440 | 36 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| 63JM/25/4-6/9/... | 1440 | 40 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| 71JM/20/4-6/3/... | 1440 | 8 | D90/L | 0.67 | 910 | 0.2 | | | | |
| | | 12 | D90/L | 0.9 | 910 | 0.27 | | | | |
| | | 28 | D100/LA | 2 | 940 | 0.6 | | | | |
| | | 34 | D100/LA | 2.65 | 940 | 0.9 | | | | |
| | | 36 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| 71JM/20/4-6/6/... | 1440 | 18 | D100/LA | 2 | 940 | 0.6 | | | | |
| | | 22 | D100/LA | 2.65 | 940 | 0.9 | | | | |
| | | 30 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| 71JM/25/4-6/3/... | 1440 | 32 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| 71JM/25/4-6/6/... | 1440 | 36 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| 71JM/25/4-6/9/... | 1440 | 28 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| | | 36 | DF132/MS | 5 | 950 | 1.5 | | | | |
| 80JM/25/4-6/3/... | 1440 | 32 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| 80JM/25/4-6/6/... | 1440 | 24 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| | | 30 | DF132/MS | 5 | 950 | 1.5 | | | | |
| | | 36 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| 80JM/25/4-6/9/... | 1440 | 18 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| | | 24 | DF132/MS | 5 | 950 | 1.5 | | | | |
| | | 30 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| | | 36 | DF160/LM | 10 | 970 | 3 | | | | |

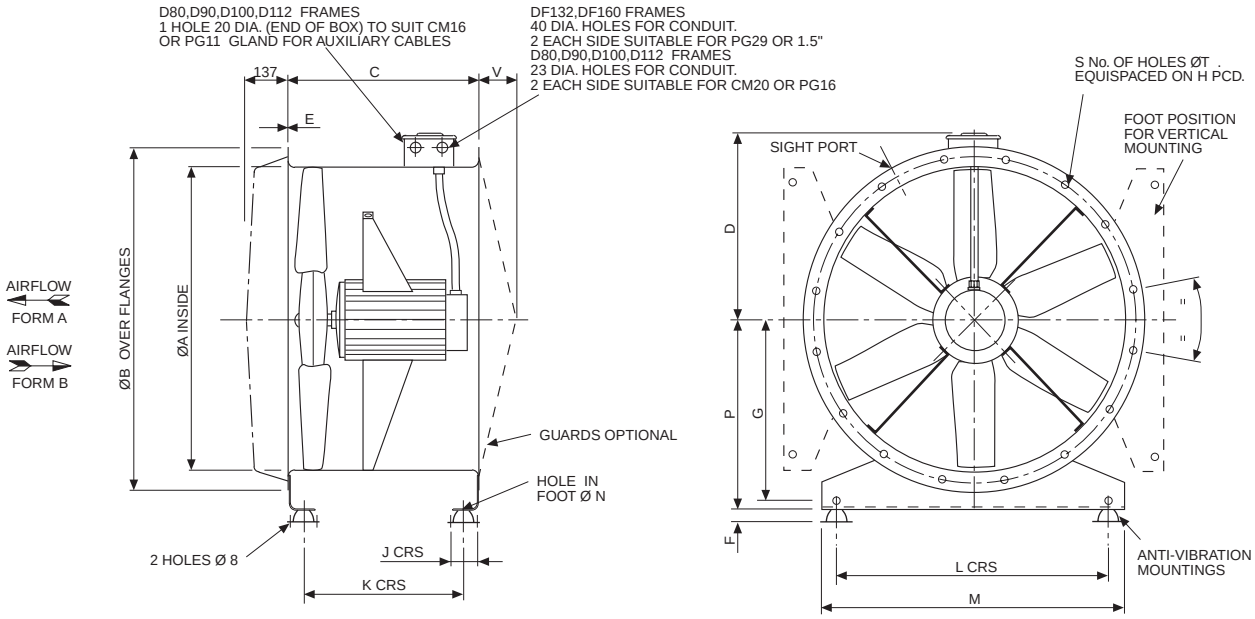
# Motor Frame Size Schedules:
# H.T. 400/2: Two Speed (Full & Other P.A.M. Wound)

400 V / 50 Hz / 3 ϕ

| Code | Speed | Max. Pitch | Motor | Motor Rating | Low Speed | | Full Load Current | Starting Current | Efficiency | Power Factor |
|---|---|---|---|---|---|---|---|---|---|---|
| | rev/min | Angle (°) | | (kW) | rev/min | (kW) | (A) | d.o.l (A) | % | cos Ø |
| 90JM/25/4-6/3/... | 1440 | 24 | DF112/M | 3.7 | 960 | 1.25 | Information available on request | | | |
| | | 30 | DF132/MS | 5 | 950 | 1.5 | | | | |
| | | 32 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| 90JM/25/4-6/6/... | 1440 | 14 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| | | 20 | DF132/MS | 5 | 950 | 1.5 | | | | |
| | | 26 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| | | 32 | DF160/LM | 10 | 970 | 3 | | | | |
| 90JM/25/4-6/9/... | 1440 | 8 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| | | 12 | DF132/MS | 5 | 950 | 1.5 | | | | |
| | | 18 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| | | 26 | DF160/LM | 10 | 970 | 3 | | | | |
| | | 32 | DF160/L | 13.2 | 970 | 3.7 | | | | |
| 100JM/25/4-6/3/... | 1440 | 16 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| | | 22 | DF132/MS | 5 | 950 | 1.5 | | | | |
| | | 26 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| | | 32 | DF160/LM | 10 | 970 | 3 | | | | |
| 100JM/25/4-6/6/... | 1450 | 8 | DF112/M | 3.7 | 960 | 1.25 | | | | |
| | | 12 | DF132/MS | 5 | 950 | 1.5 | | | | |
| | | 16 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| | | 24 | DF160/LM | 10 | 970 | 3 | | | | |
| | | 30 | DF160/L | 13.2 | 970 | 3.7 | | | | |
| 100JM/25/4-6/9/... | 1470 | 10 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| | | 16 | DF160/LM | 10 | 970 | 3 | | | | |
| | | 22 | DF160/L | 13.2 | 970 | 3.7 | | | | |
| 100JM/31/4-6/9/... | 1470 | 10 | DF132/M | 6.7 | 950 | 2.1 | | | | |
| | | 16 | DF160/LM | 10 | 970 | 3 | | | | |
| | | 22 | DF160/L | 13.2 | 970 | 3.7 | | | | |
| | | 26 | DF180/LM | 16 | 980 | 5.3 | | | | |
| | | 28 | DF180/L | 18.5 | 980 | 6 | | | | |

# Dimensions and Weights

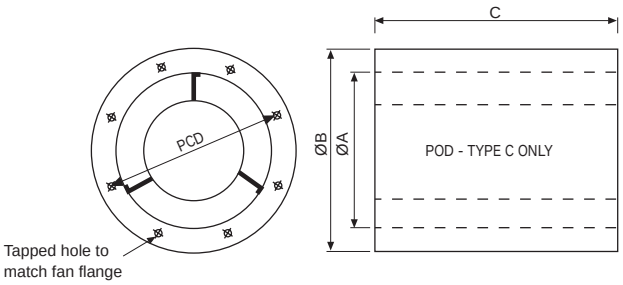
## Long Cased




| Code | Motor Frame | DIMENSION REFERENCE (mm) | | | | | | | | | | | | | | | | | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | J | K | L | M | N | P | S | T | V | |
| 315 | D80 | 315 | 395 | 375 | 235 | 2.5 | 25 | 175 | 355 | 66 | 289 | 265 | 315 | 10 | 200 | 8 | 10 | 30 | 31 |
| 450 | D80 | 450 | 530 | 375 | 306 | 2.5 | 25 | 255 | 500 | 66 | 289 | 400 | 450 | 10 | 280 | 8 | 12 | 30 | 36 |
| | D90 | 450 | 530 | 520 | 306 | 3 | 25 | 255 | 500 | 66 | 434 | 400 | 450 | 10 | 280 | 8 | 12 | 30 | 49 |
| | D100 | 450 | 530 | 520 | 306 | 3 | 25 | 255 | 500 | 66 | 434 | 400 | 450 | 10 | 280 | 8 | 12 | 30 | 51 |
| | DF112 | 450 | 530 | 520 | 306 | 3 | 25 | 255 | 500 | 66 | 434 | 400 | 450 | 10 | 280 | 8 | 12 | 30 | 63 |
| 500 | D80 | 500 | 594 | 375 | 338 | 2.5 | 25 | 290 | 560 | 66 | 289 | 450 | 500 | 10 | 315 | 12 | 12 | 30 | 39 |
| | D90 | 500 | 594 | 520 | 338 | 3 | 25 | 290 | 560 | 66 | 434 | 450 | 500 | 10 | 315 | 12 | 12 | 30 | 59 |
| | D100 | 500 | 594 | 520 | 338 | 3 | 25 | 290 | 560 | 66 | 434 | 450 | 500 | 10 | 315 | 12 | 12 | 30 | 61 |
| | DF112 | 500 | 594 | 520 | 338 | 3 | 25 | 290 | 560 | 66 | 434 | 450 | 500 | 10 | 315 | 12 | 12 | 30 | 75 |
| 560 | D80 | 560 | 654 | 375 | 368 | 2.5 | 25 | 330 | 620 | 66 | 289 | 510 | 560 | 10 | 355 | 12 | 12 | 50 | 43 |
| | D90 | 560 | 654 | 520 | 368 | 3 | 25 | 330 | 620 | 66 | 434 | 510 | 560 | 10 | 355 | 12 | 12 | 50 | 61 |
| | D100 | 560 | 654 | 520 | 368 | 3 | 25 | 330 | 620 | 66 | 434 | 510 | 560 | 10 | 355 | 12 | 12 | 50 | 63 |
| | DF112 | 560 | 654 | 520 | 368 | 3 | 25 | 330 | 620 | 66 | 434 | 510 | 560 | 10 | 355 | 12 | 12 | 50 | 77 |
| 630 | D80 | 630 | 724 | 375 | 403 | 3 | 25 | 375 | 690 | 66 | 289 | 580 | 630 | 10 | 400 | 12 | 12 | 50 | 57 |
| | D90 | 630 | 724 | 520 | 403 | 3 | 25 | 375 | 690 | 66 | 434 | 580 | 630 | 10 | 400 | 12 | 12 | 50 | 75 |
| | D100 | 630 | 724 | 520 | 403 | 3 | 25 | 375 | 690 | 66 | 434 | 580 | 630 | 10 | 400 | 12 | 12 | 50 | 77 |
| | DF112 | 630 | 724 | 520 | 403 | 3 | 25 | 375 | 690 | 66 | 434 | 580 | 630 | 10 | 400 | 12 | 12 | 50 | 89 |
| | DF132 | 630 | 724 | 520 | 440 | 4 | 25 | 375 | 690 | 66 | 434 | 580 | 630 | 12 | 400 | 12 | 12 | 50 | 158 |
| | DF160 | 630 | 724 | 625 | 440 | 4 | 25 | 375 | 690 | 66 | 529 | 580 | 630 | 12 | 400 | 12 | 12 | 50 | 215 |
| 710 | D80 | 710 | 804 | 375 | 443 | 3 | 25 | 415 | 770 | 66 | 259 | 660 | 710 | 10 | 440 | 16 | 12 | 50 | 63 |
| | D90 | 710 | 804 | 520 | 443 | 3 | 25 | 415 | 770 | 66 | 404 | 660 | 710 | 10 | 440 | 16 | 12 | 50 | 79 |
| | D100 | 710 | 804 | 520 | 443 | 3 | 25 | 415 | 770 | 66 | 404 | 660 | 710 | 10 | 440 | 16 | 12 | 50 | 81 |
| | DF112 | 710 | 804 | 520 | 443 | 3 | 25 | 415 | 770 | 66 | 404 | 660 | 710 | 10 | 440 | 16 | 12 | 50 | 93 |
| | DF132 | 710 | 804 | 520 | 480 | 4 | 25 | 415 | 770 | 66 | 404 | 660 | 710 | 12 | 440 | 16 | 12 | 50 | 170 |
| 800 | D80 | 800 | 894 | 375 | 488 | 3 | 25 | 485 | 860 | 66 | 259 | 750 | 800 | 10 | 510 | 16 | 12 | 50 | 68 |
| | D90 | 800 | 894 | 520 | 488 | 3 | 25 | 485 | 860 | 66 | 404 | 750 | 800 | 10 | 510 | 16 | 12 | 50 | 88 |
| | D100 | 800 | 894 | 520 | 488 | 3 | 25 | 485 | 860 | 66 | 404 | 750 | 800 | 10 | 510 | 16 | 12 | 50 | 90 |
| | DF112 | 800 | 894 | 520 | 488 | 3 | 25 | 485 | 860 | 66 | 404 | 750 | 800 | 10 | 510 | 16 | 12 | 50 | 102 |
| | DF132 | 800 | 894 | 520 | 525 | 3 | 45 | 485 | 860 | 124 | 404 | 750 | 800 | 12 | 510 | 16 | 12 | 50 | 194 |
| | DF160 | 800 | 894 | 625 | 525 | 5 | 45 | 485 | 860 | 124 | 499 | 750 | 800 | 12 | 510 | 16 | 12 | 50 | 229 |
| 900 | DF112 | 900 | 1006 | 520 | 538 | 3 | 25 | 491 | 970 | 66 | 444 | 850 | 900 | 10 | 518 | 16 | 15 | 50 | 107 |
| | DF132 | 900 | 1006 | 520 | 575 | 5 | 45 | 491 | 970 | 124 | 444 | 850 | 900 | 12 | 518 | 16 | 15 | 50 | 214 |
| | DF160 | 900 | 1006 | 625 | 575 | 5 | 45 | 491 | 970 | 124 | 539 | 850 | 900 | 12 | 518 | 16 | 15 | 50 | 261 |
| 1000 | DF112 | 1000 | 1106 | 520 | 588 | 3 | 25 | 547 | 1070 | 66 | 444 | 950 | 1000 | 10 | 574 | 16 | 15 | 50 | 115 |
| | DF132 | 1000 | 1106 | 520 | 625 | 5 | 45 | 547 | 1070 | 124 | 444 | 950 | 1000 | 12 | 574 | 16 | 15 | 50 | 229 |
| | DF160 | 1000 | 1106 | 625 | 625 | 5 | 45 | 547 | 1070 | 124 | 539 | 950 | 1000 | 12 | 574 | 16 | 15 | 50 | 277 |

# Ancillaries

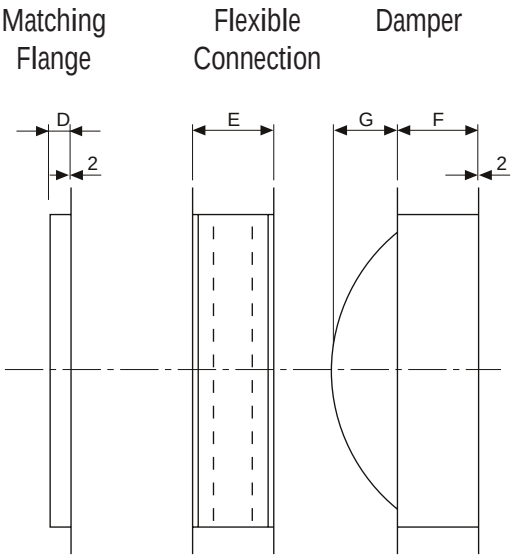
## Silencer - B Type




| Suitable for fan ØA | B | C | Weight (kg) | |
|---|---|---|---|---|
| | | | B type | C type |
| 315 | 415 | 315 | 10 | 13 |
| 355 | 455 | 355 | 12 | 15 |
| 400 | 500 | 400 | 15 | 18 |
| 450 | 600 | 450 | 20 | 24 |
| 500 | 650 | 500 | 25 | 29 |
| 560 | 710 | 560 | 30 | 35 |
| 630 | 780 | 630 | 35 | 42 |
| 710 | 860 | 710 | 44 | 53 |
| 800 | 1000 | 800 | 55 | 66 |
| 900 | 1100 | 900 | 70 | 84 |
| 1000 | 1200 | 1000 | 82 | 100 |

The above silencers give the approximate dB(A) reductions:-
B Type 1 diameter length - 7 to 10 dB(A)
C Type 1 diameter length - 12 to 15 dB(A)
For full acoustic details contact our Woods Acoustic Division. Tel: +44 (0) 1206 544122

| Suitable for fan ØA | D | E | F | G | Weight (kg) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Matching Flange | Flexible Connection | Damper |
| 315 | 32 | 110 | 225 | - | 1.1 | 3.3 | 8 |
| 355 | 32 | 110 | 225 | - | 1.3 | 3.9 | 9 |
| 400 | 32 | 110 | 225 | 17 | 1.5 | 4.5 | 10 |
| 450 | 32 | 110 | 225 | 39 | 1.7 | 5.0 | 12 |
| 500 | 32 | 110 | 225 | 75 | 2.0 | 5.5 | 16 |
| 560 | 32 | 110 | 225 | 125 | 2.3 | 6.8 | 18 |
| 630 | 50 | 160 | 225 | 176 | 3.0 | 7.5 | 20 |
| 710 | 50 | 160 | 225 | 210 | 3.2 | 8.1 | 23 |
| 800 | 50 | 160 | 225 | 270 | 3.6 | 9.1 | 27 |
| 900 | 50 | 160 | 225 | 305 | 4.1 | 10.4 | 31 |
| 1000 | 50 | 160 | 225 | 345 | 4.6 | 11.6 | 36 |
| 1120 | 51 | 165 | 400 | 225 | 5.2 | 12.9 | 150 |
| 1250 | 51 | 165 | 400 | 290 | 5.8 | 14.4 | 166 |



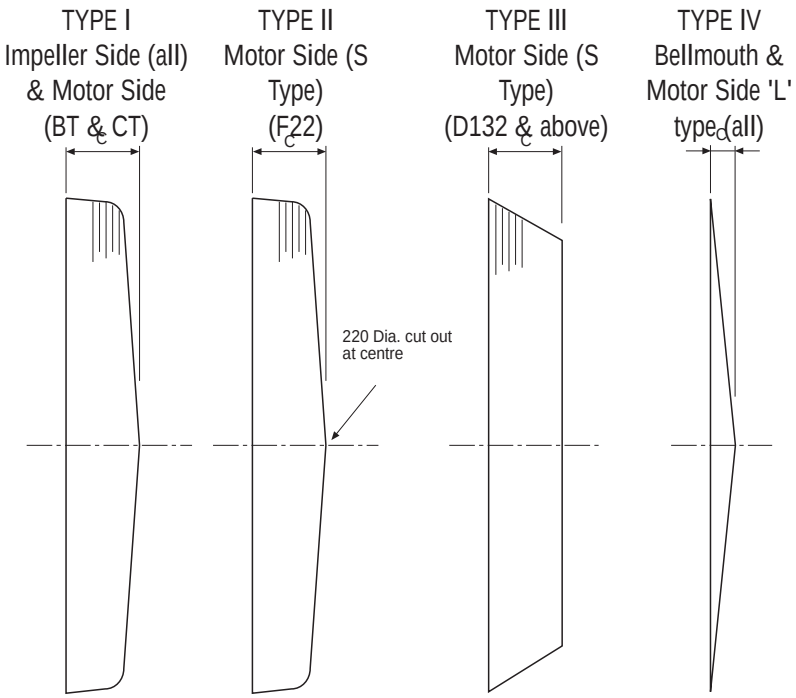

### ANTI VIBRATION MOUNTINGS

Various types of anti vibration mountings can be specified against each H.T. temperature/time category on request.

All dimensions in mm and kgs

# Ancillaries

## Guards




| Suitable for fan | Type | C | Weight (kg) |
|---|---|---|---|
| 315 | I | 137 | 1.2 |
| 315 | IV | 30 | 0.5 |
| 355 | I | 137 | 1.4 |
| 355 | IV | 30 | 0.5 |
| 400 | I | 137 | 1.6 |
| 400 | IV | 30 | 0.6 |
| 450 | I | 137 | 1.8 |
| 450 | II | 137 | 1.6 |
| 450 | IV | 30 | 0.6 |
| 500 | I | 137 | 2.0 |
| 500 | II | 137 | 1.8 |
| 500 | IV | 30 | 0.7 |
| 560 | I | 137 | 2.2 |
| 560 | II | 137 | 2.0 |
| 560 | IV | 50 | 1.0 |
| 630 | I | 137 | 2.8 |
| 630 | II | 137 | 2.6 |
| 630 | III | 350 | 3.0 |
| 630 | IV | 50 | 1.2 |
| 710 | I | 137 | 3.2 |
| 710 | II | 137 | 3.0 |
| 710 | III | 350 | 3.4 |
| 710 | IV | 50 | 1.4 |
| 800 | I | 137 | 3.5 |
| 800 | II | 137 | 3.3 |
| 800 | III | 350 | 3.9 |
| 800 | IV | 50 | 1.5 |
| 900 | I | 137 | 4.2 |
| 900 | II | 137 | 4.2 |
| 900 | III | 310 | 4.8 |
| 900 | IV | 50 | 1.7 |
| 1000 | I | 137 | 5.0 |
| 1000 | II | 137 | 4.8 |
| 1000 | III | 310 | 5.6 |
| 1000 | IV | 50 | 2.0 |

## Bellmouth

| Suitable for fan ØA | C | D | Weight (kg) |
|---|---|---|---|
| 315 | 65 | 379 | 1.0 |
| 355 | 85 | 423 | 1.2 |
| 400 | 80 | 480 | 1.5 |
| 450 | 95 | 536 | 2.0 |
| 500 | 87 | 600 | 3.2 |
| 560 | 100 | 668 | 4.0 |
| 630 | 108 | 757 | 4.8 |
| 710 | 126 | 857 | 5.4 |
| 800 | 134 | 957 | 6.8 |
| 900 | 150 | 1077 | 8.0 |
| 1000 | 167 | 1199 | 17.8 |