

## EXTRUDER DUTY MOTORS

## XD4001800F1

|                  |                                       |                   |                |
|------------------|---------------------------------------|-------------------|----------------|
| Power:           | 400/400/400                           | HP                | 300/300/300 KW |
| Speed:           | 1800/2880/3200                        | RPM               |                |
| Rated Torque:    | 1592/995/895                          | NM                |                |
| Rated Voltage:   | 460/460/460                           | V, WYE CONNECTION |                |
| Nominal Current: | 475/475/475                           | A                 |                |
| Frequency:       | 60.6/96.8/107.5                       | HZ                |                |
| Power Factor:    | 0.83/0.83/0.83                        |                   |                |
| Efficiency:      | 95/95/95                              | %                 |                |
| Protection:      | IP23                                  |                   |                |
| Cooling:         | IC06                                  |                   |                |
| Mounting:        | IM1001                                |                   |                |
| Duty:            | S1                                    |                   |                |
| Blower position: | TOP AT NDE, 2.2KW, 3.76A              |                   |                |
| Altitude:        | 1000 MASL                             |                   |                |
| Ambient temp.:   | 40C                                   |                   |                |
| Terminal box:    | F1, LHS FACING DRIVE END              |                   |                |
| Cable outlet:    | FROM THE DRIVE END                    |                   |                |
| Bearing, DE:     | 6220 C3                               |                   |                |
| Bearing, NDE:    | 6220 C3VL0241, INSULATED              |                   |                |
| Grease:          | SKF LGMT3, LITHIUM BASED              |                   |                |
| Painting color:  | RAL 7015, SLATE GRAY                  |                   |                |
| Rotor Inertia:   | 2.29 kgm2                             |                   |                |
| Vibration class: | A PER IEC 60034:14 (ISO 1940/1, G2.5) |                   |                |
| Drawing:         | 44310227-116                          |                   |                |

## Accessories:

- \* AIR FILTER
- \* CSA
- \* INTEGRATED CONTROL NAMEPLATE
- \* PT100 WINDING
- \* THERMOSTAT KLIXON TYPE NC, 145 DEG
- \* WARRANTY 3 YEARS

## FEATURES

1000:1 Constant Torque

1.15 Service Factor

160% OL for 1 minute

Insulated Bearings

AEGIS Shaft Grounding Ring

RTD's on Windings

Class H Insulation / F Temp Rise

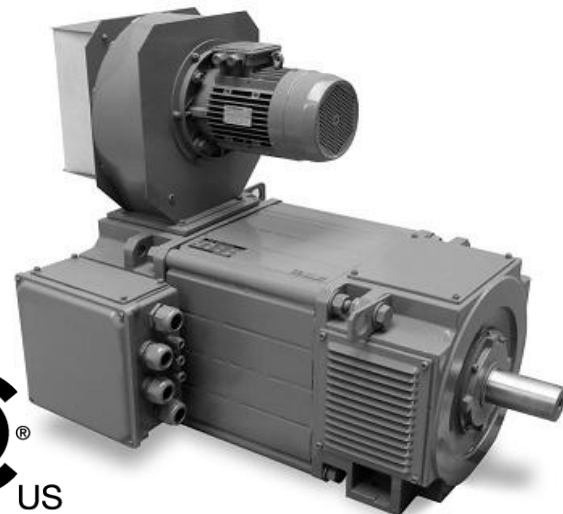
Compact Frame

Klixon type Thermostat NC

Blower Included

Air Filter Included

IEC 60034-14 Balanced, Grade A



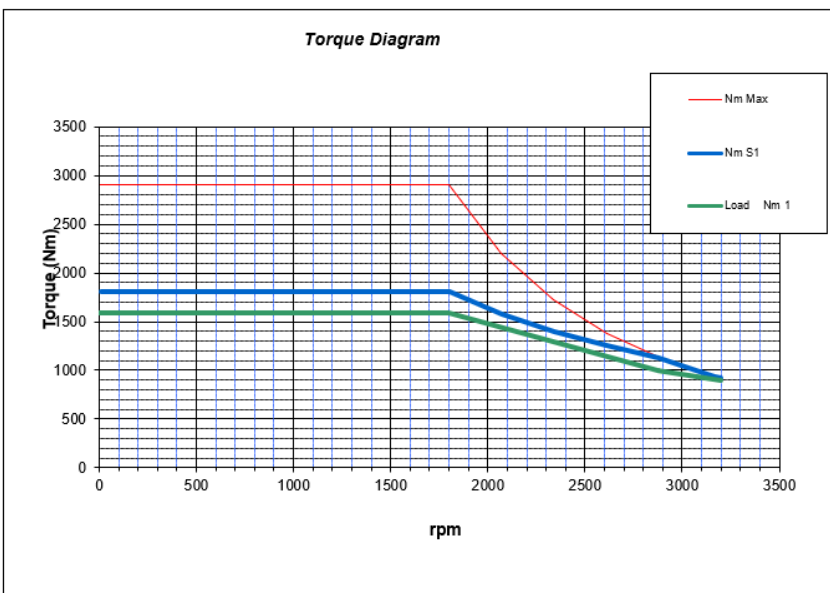
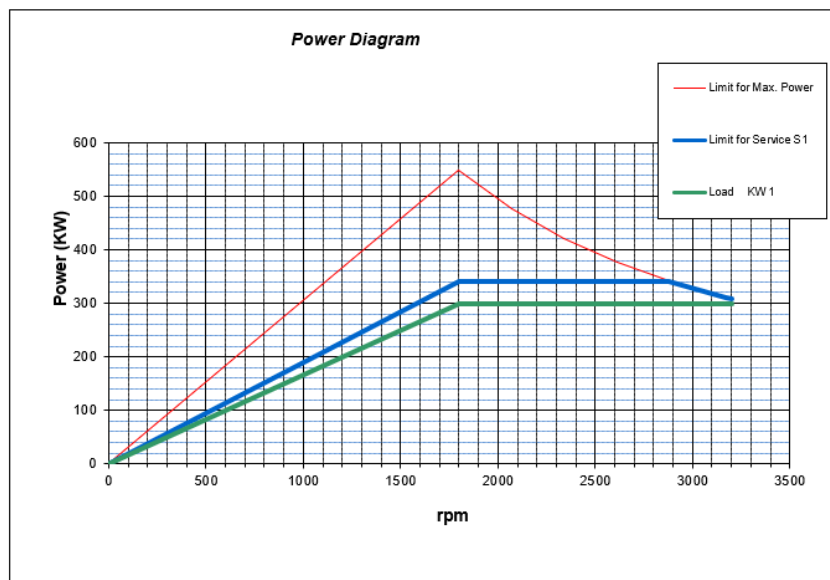
# XD



# XD4001800F1

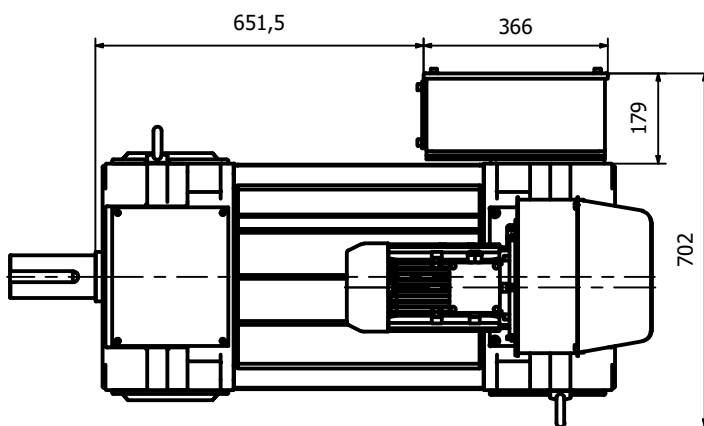
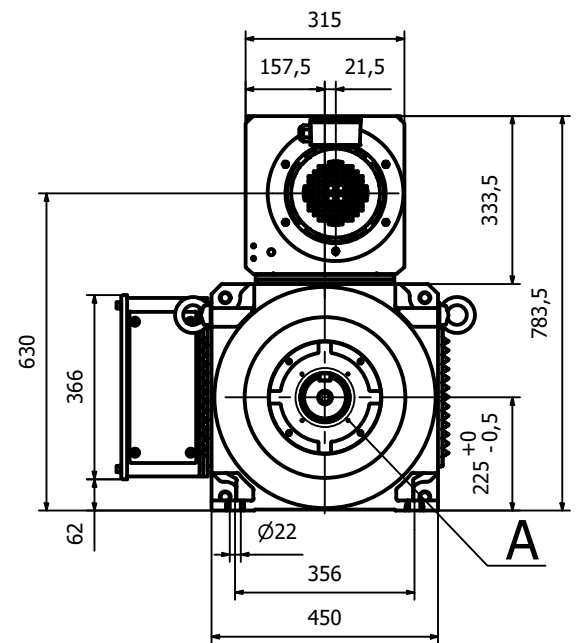
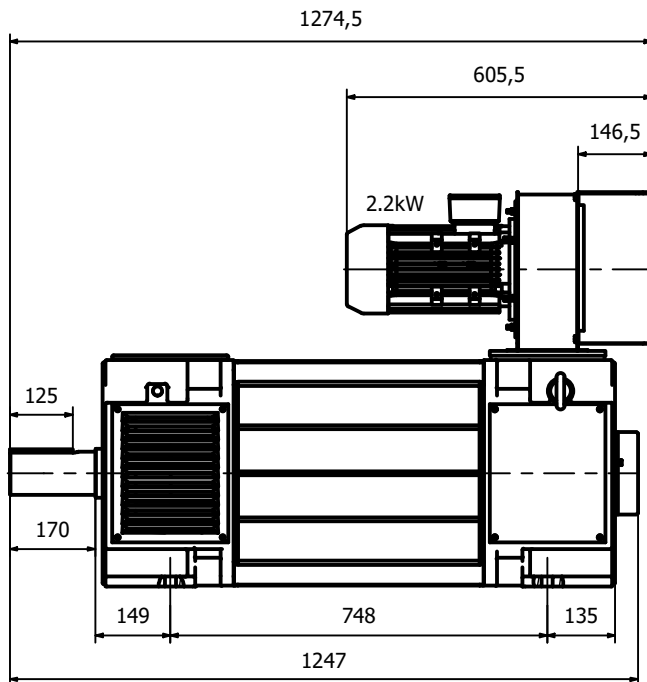
|                           |         |                              |                 |
|---------------------------|---------|------------------------------|-----------------|
| Degree of Protection      | IP23    | Cooling                      | IC06            |
| Rotor Inertia J(kgm2)     | 2.29    | Motor weight (Kg)            | 860             |
| Maximum mechanical speed  | 3200    | Sound Pressure Level (db(A)) | 80              |
| nmax (min-1)              |         | at 50 Hz                     |                 |
| D-End Bearing             | 6220 C3 | ND-End Bearing               | 6220 C3VL0241   |
| Vibration Class           | A       | Mounting                     | IM1001          |
| Insulation Class          | H       | Temperature rise Class       | F               |
| Motor Nominal Voltage (V) | 460     | Thermal Protection           | Pt100 & Klixons |

|               | S1   |     |     |      |    |                           |
|---------------|------|-----|-----|------|----|---------------------------|
| Nominal speed | Nm   | A   | kW  | rpm  | Hz | Const. Power Speed. (rpm) |
| 1800          | 1817 | 532 | 342 | 1800 | 61 | 2880                      |

[illegible][illegible]

**XD4001800F1**

**DWG 4431 0227-116**



### DETAIL A

