

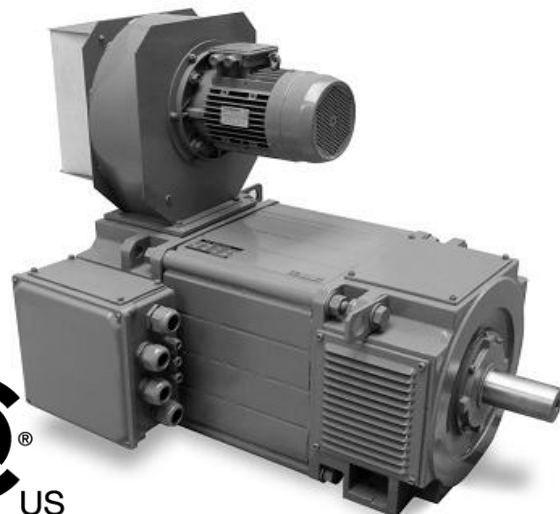
## EXTRUDER DUTY MOTORS

### XD2501800F1

|                  |                                                           |                   |                      |
|------------------|-----------------------------------------------------------|-------------------|----------------------|
| Power:           | 250/250/125                                               | HP                | 186.5/186.5/167.8 KW |
| Speed:           | 1800/2880/3200                                            | RPM               |                      |
| Rated Torque:    | 989/618/501                                               | NM                |                      |
| Rated Voltage:   | 460/460/460                                               | V, WYE CONNECTION |                      |
| Nominal Current: | 293/293/264                                               | A                 |                      |
| Frequency:       | 61.1/96.9/107.6                                           | HZ                |                      |
| Power Factor:    | 0.85/0.85/0.85                                            |                   |                      |
| Efficiency:      | 94/94/94                                                  | %                 |                      |
| 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:     | 6215 2RS C3                                               |                   |                      |
| Bearing, NDE:    | 6215 C3VL0241, INSULATED, GREASE SKF LGMT3, LITHIUM BASED |                   |                      |
| Painting color:  | RAL 7015, SLATE GRAY                                      |                   |                      |
| Rotor Inertia:   | 0.94 kgm2                                                 |                   |                      |
| Vibration class: | A PER IEC 60034:14 (ISO 1940/1, G2.5)                     |                   |                      |
| Drawing:         | 44310222-108                                              |                   |                      |

#### 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

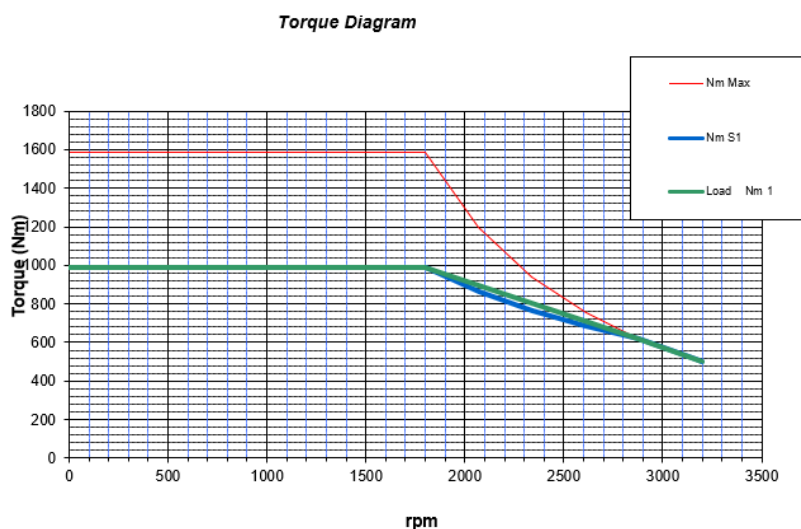
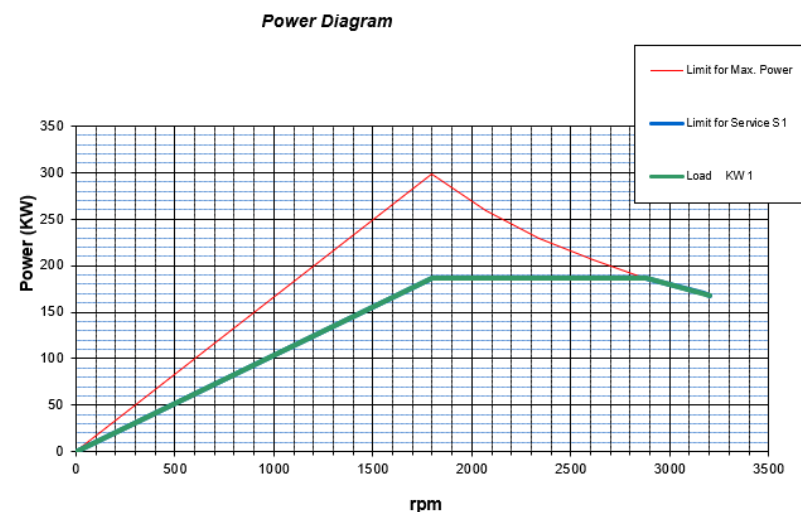
# XD



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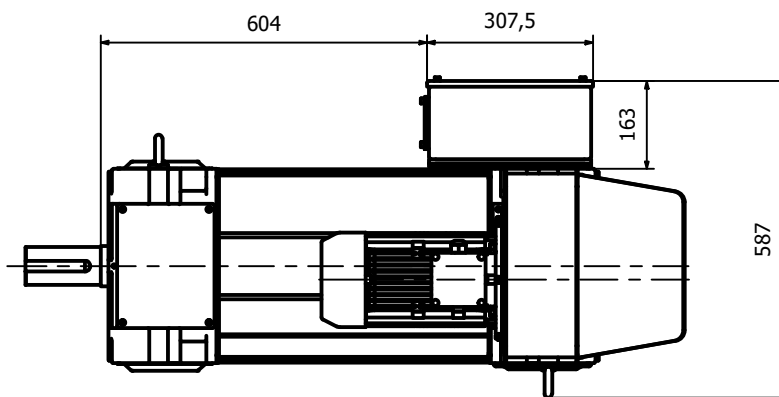
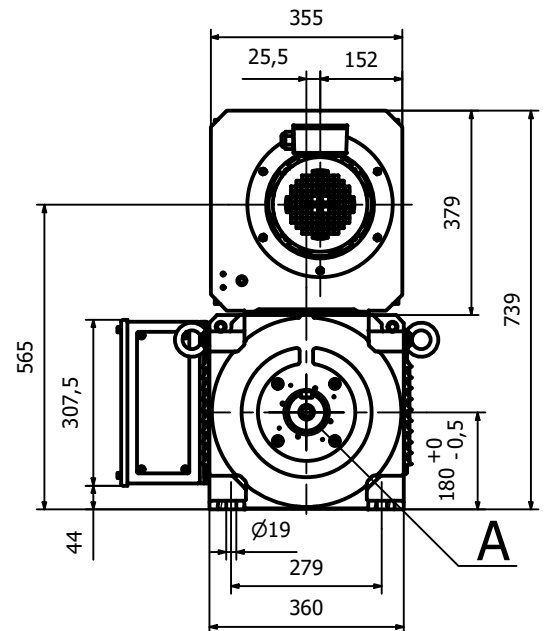
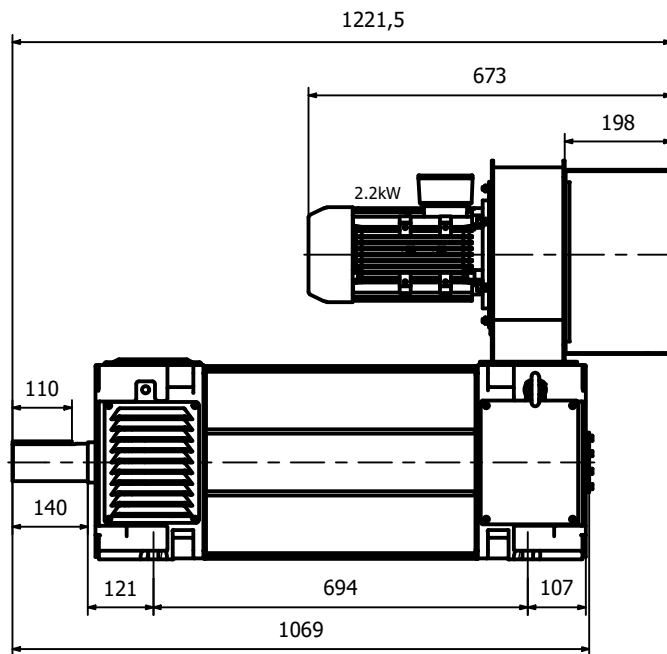
|                           |            |                              |                 |
|---------------------------|------------|------------------------------|-----------------|
| Degree of Protection      | IP23       | Cooling                      | IC06            |
| Rotor Inertia J(kgm2)     | 0.94       | Motor weight (Kg)            | 545             |
| Maximum mechanical speed  | 3200       | Sound Pressure Level (db(A)) | 78              |
| nmax (min-1)              |            | at 50 Hz                     |                 |
| D-End Bearing             | 6215 2RSC3 | ND-End Bearing               | 6215 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          | 990 | 293 | 187 | 1800 | 61 | 2880                     |

[illegible][illegible]

**XD2501800F1**

**DWG 4431 0222-108**



### DETAIL A

