

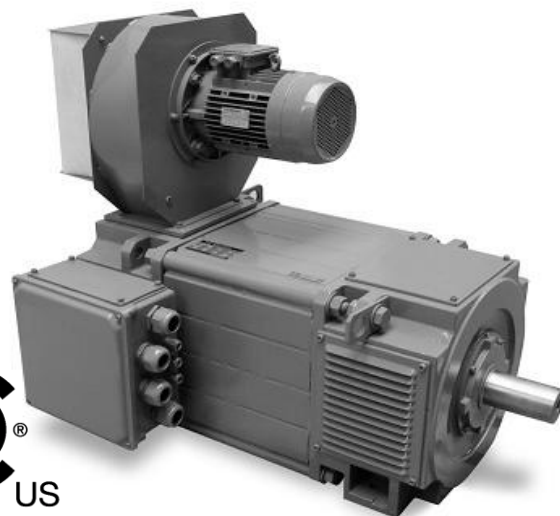
EXTRUDER DUTY MOTORS

XD1501800F2

Power:	150/150/133	HP	112/112/99 KW
Speed:	1800/2880/3400	RPM	
Rated Torque:	594/371/277	NM	
Rated Voltage:	460/460/460	V, WYE CONNECTION	
Nominal Current:	191/191/170	A	
Frequency:	62.5/97.8/115.5	HZ	
Power Factor:	0.78/0.78/0.78		
Efficiency:	94/94/94	%	
Protection:	IP23		
Cooling:	IC06		
Mounting:	IM1001		
Duty:	S1		
Blower position:	TOP AT NDE, 0.75KW, 1.49A		
Altitude:	1000 MASL		
Ambient temp.:	40C		
Terminal box:	F2, RHS FACING DRIVE END		
Cable outlet:	FROM THE DRIVE END		
Bearing, DE:	6312 2RS C3		
Bearing, NDE:	6312 C3VL0241, INSULATED, GREASE SKF LGMT3, LITHIUM BASED		
Painting color:	RAL 7015, SLATE GRAY		
Rotor Inertia:	0.33 kgm2		
Vibration class:	A PER IEC 60034:14 (ISO 1940/1, G2.5)		
Drawing:	44310219-78		

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



Motor Characteristics

	S1					
Nominal speed	Nm	A	KW	rpm	Hz	Const. Power Speed. (rpm)
1800	619	197	117	1800	63	2880

Torque Diagram

The diagram plots Torque (Nm) on the y-axis (0 to 1200) against rpm on the x-axis (0 to 4000). Three curves are shown:

- Nm Max (Red line):** Constant at 1000 Nm from 0 to 1800 rpm, then decreases to approximately 280 Nm at 3400 rpm.
- Nm S1 (Blue line):** Constant at 600 Nm from 0 to 1800 rpm, then decreases to approximately 280 Nm at 3400 rpm.
- Load Nm 1 (Green line):** Constant at 580 Nm from 0 to 1800 rpm, then decreases to approximately 280 Nm at 3400 rpm.

rpm	Nm Max (Nm)	Nm S1 (Nm)	Load Nm 1 (Nm)
0	1000	600	580
1800	1000	600	580
2000	800	550	550
2500	500	450	450
3000	350	350	350
3400	280	280	280

The diagram is a line graph titled "Torque Diagram". The vertical axis is labeled "Torque (Nm)" and ranges from 0 to 1200 with major grid lines every 200 units and minor grid lines every 100 units. The horizontal axis is labeled "rpm" and ranges from 0 to 4000 with major grid lines every 500 units and minor grid lines every 100 units. There are three data series plotted:

- Nm Max (Red line):** This curve starts at a constant torque of 1000 Nm from 0 rpm to approximately 1800 rpm. After 1800 rpm, it decreases sharply, passing through approximately 800 Nm at 2000 rpm, 600 Nm at 2500 rpm, and 400 Nm at 3000 rpm, ending at approximately 280 Nm at 3400 rpm.
- Nm S1 (Blue line):** This curve starts at a constant torque of approximately 620 Nm from 0 rpm to approximately 1800 rpm. After 1800 rpm, it decreases linearly, passing through approximately 550 Nm at 2000 rpm, 450 Nm at 2500 rpm, and 350 Nm at 3000 rpm, ending at approximately 280 Nm at 3400 rpm.
- Load Nm 1 (Green line):** This curve starts at a constant torque of approximately 600 Nm from 0 rpm to approximately 1800 rpm. After 1800 rpm, it decreases linearly, passing through approximately 530 Nm at 2000 rpm, 430 Nm at 2500 rpm, and 330 Nm at 3000 rpm, ending at approximately 270 Nm at 3400 rpm.

A legend in the top right corner identifies the three curves: "Nm Max" (red), "Nm S1" (blue), and "Load Nm 1" (green).

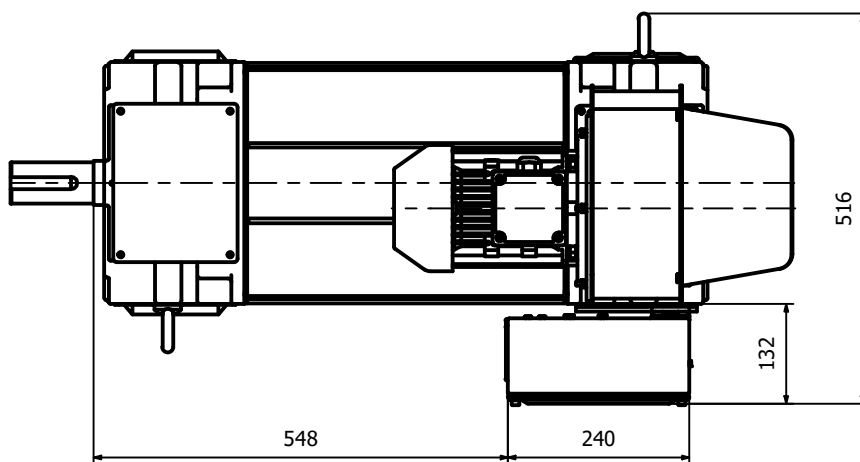
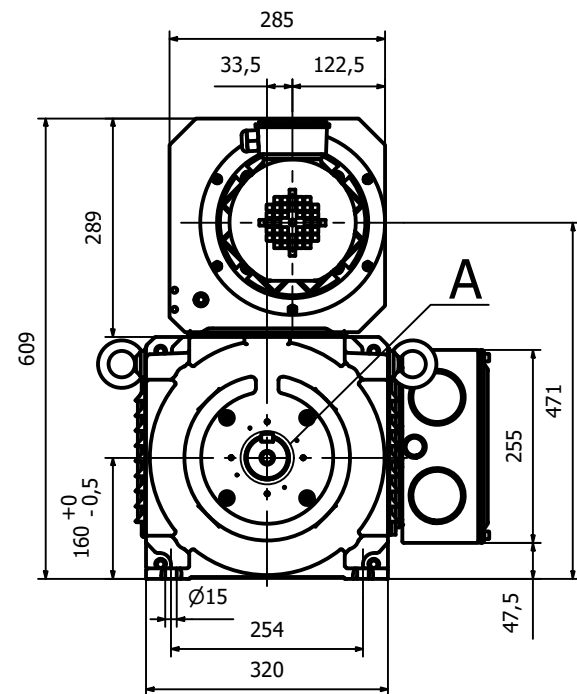
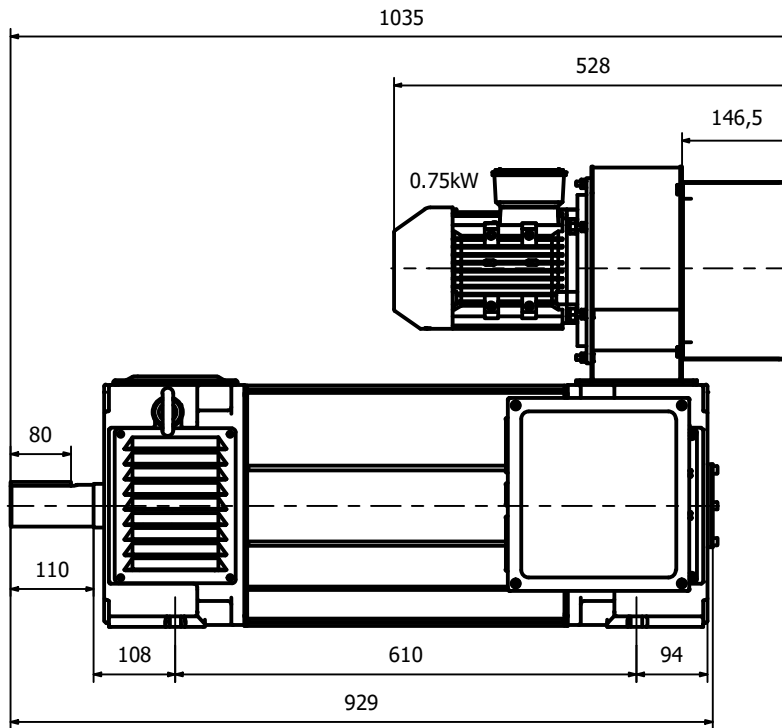
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DWG 4431 0219-78



DETAIL A

