

EXTRUDER DUTY MOTORS
XD5001800F1

Power:	500/500/475	HP	373/373/354 KW
Speed:	1800/2880/3200	RPM	
Rated Torque:	1979/1237/1056	NM	
Rated Voltage:	460/460/460	V, WYE CONNECTION	
Nominal Current:	592/592/564	A	
Frequency:	60.7/97/107.7	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:	2.55 kgm ²		
Vibration class:	A PER IEC 60034:14 (ISO 1940/1, G2.5		
Drawing:	4431 0228-58		

Accessories:

- * AIR FILTER
- * CSA
- * EXTRUDER APPLICATION DESIGN
- * 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

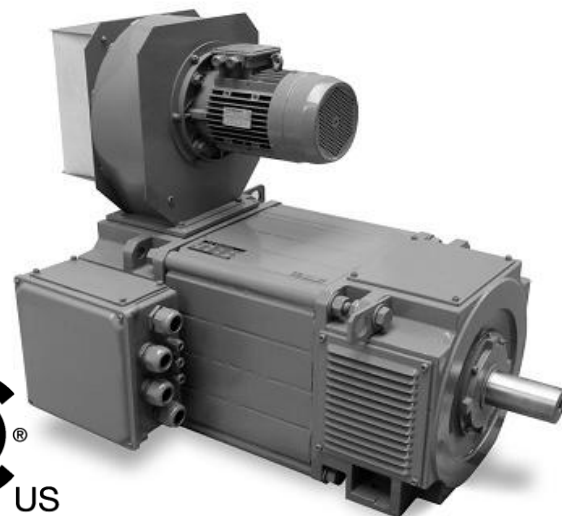
Compact Frame

Klixon type Thermostat NC

Blower Included

Air Filter Included

IEC 60034-14 Balanced, Grade A



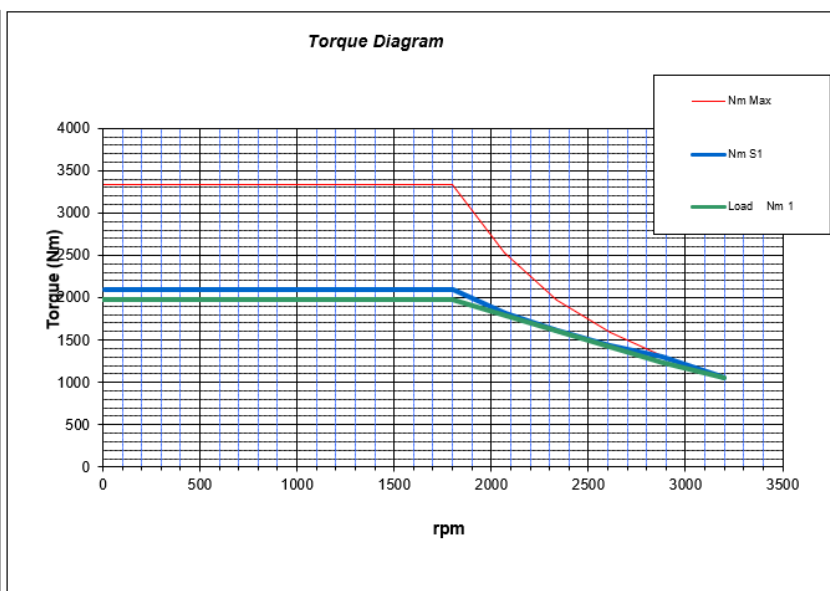
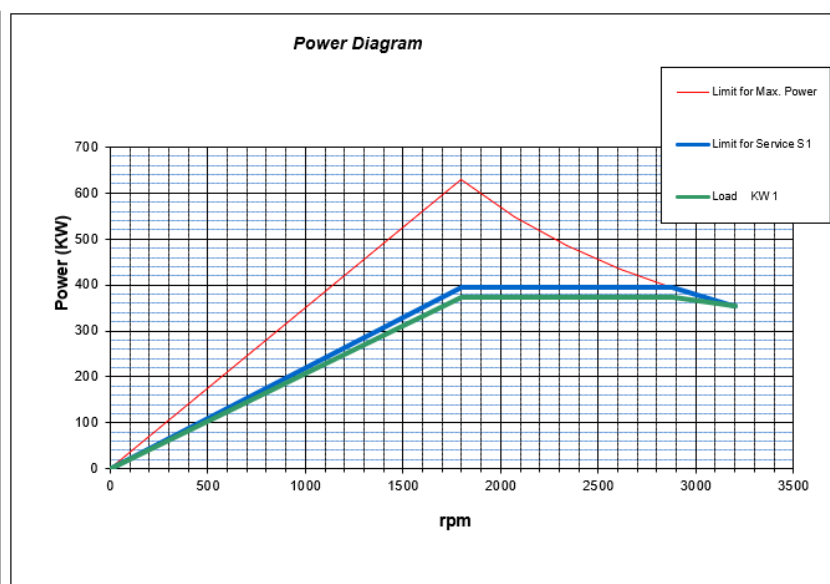
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Degree of Protection	IP23	Cooling	IC06
Rotor Inertia J(kgm2)	2.55	Motor weight (Kg)	920
Maximum mechanical speed	3200	Sound Pressure Level (db(A))	80
nmax (min-1)		at 50 Hz	
D-End Bearing	6220 C3	ND-End Bearing	6220 C3VL0241
Vibration Class	A	Mounting	IM1001
Insulation Class	H	Temperature rise Class	F
Motor Nominal Voltage (V)	460	Thermal Protection	Pt100 & Klixon

	S1					
Nominal speed	Nm	A	KW	rpm	Hz	Const. Power Speed. (rpm)
1800	2089	619	394	1800	61	2880

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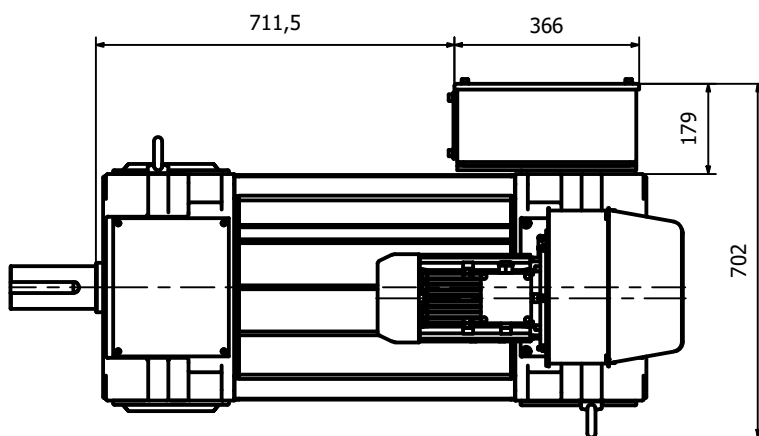
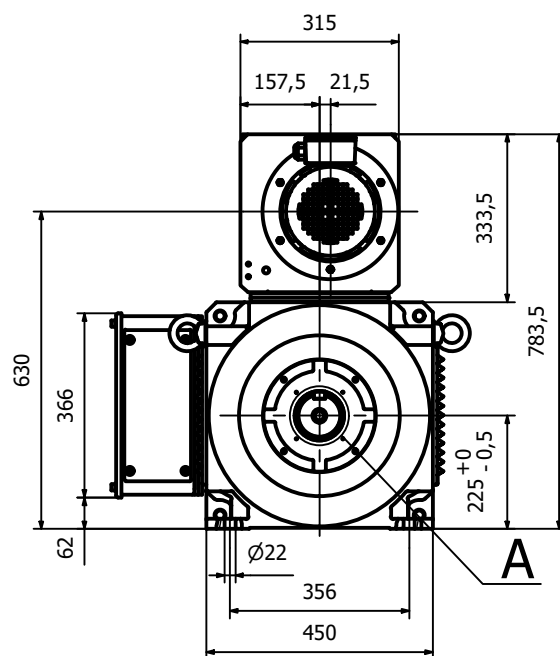
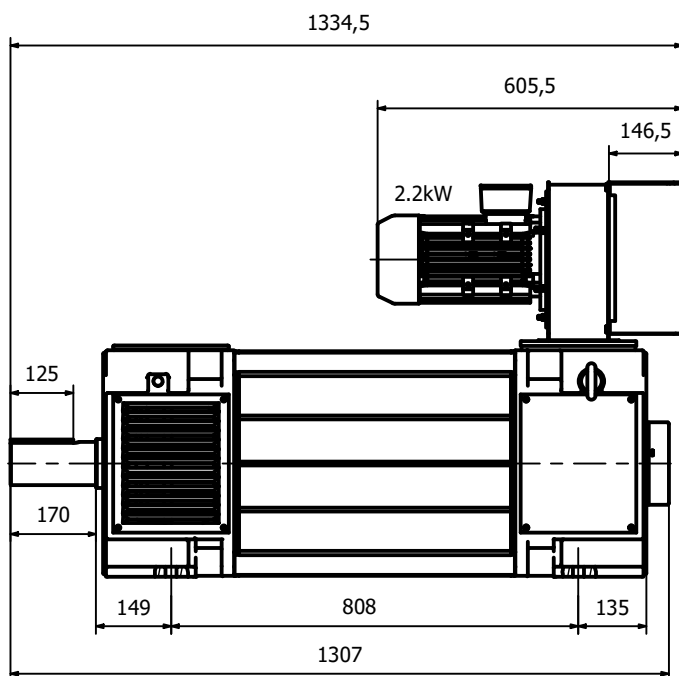
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DWG 4431 0228-58



DETAIL A

