



## Three Phase AC Motor Data Sheet

Power : 550 kW  
 Motor Type Code : BLU-K400-8-0550-0010  
 Manufacturer : Bluetech GmbH

### Basic Technical Data

Frame Size	: 400	mm
Output Power	: 550	kW
Frequency	: 40 / 70	Hz
Poles	: 8	P
Rated Speed	: 750 / 1050	rpm
Rated Voltage	: 690	V
Rated Current	: 580 / 560	A
Stator Connection	: Δ	
Rotor Voltage	: V	
Rotor Current	: A	
Rotor Connection	:	
Locked Rotor Current	: 150	%
No Load Current	: .....	A
Rated Torque	: 7003	Nm
Locked Rotor Torque	: 150	%
Breakdown Torque	: 250 / 150	%
Insulation Class	: F	
Temperature Rise	: B / 80K	
Service Factor	: 1	
Duty	: S1	
Ambient Temperature	: -20~+40°C	
Altitude	: 1000m	
Protection Degree	: IP54	
Cooling	: IC416	
Mounting	: IM B3	
Vibration Level	:	
Moment of Inertia	:	kg.m2
Allowed load Inertia	:	kg.m2
Noise Level(Lp)	: 90	dB(A)
Direction of Rotation	: Both	
Starting Method	: VSD	
Coupling	: DIRECT	
Approx. Weight	: 6700	kg
Specification	: IEC60034-1 / GB755	
Test	: IEC60034-2 / GB/T1032	
Noise	: IEC60034-9 / GB10069.3	
Vibration	: IEC60034-14 / GB10068	

**BLUTECH GmbH**  
[www.bluetech.technology](http://www.bluetech.technology)  
[info@bluetech.technology](mailto:info@bluetech.technology)  
 © All rights reserved.

### Performance

Partial Load	: 50%	75%	100%
Efficiency(%)	:		>97
Power Factor	:		>0,84

### Bearing Information

	DE	NDE
Bearing Type	: Standart	Insulated
Calculated Lifetime(h)	:	
Greasing Intervals(h)	:	
Grease Brand	: Lithium	Lithium

### Accessories

- Stator Winding: 6\*PT100 (2 PCS/Phase)
- Bearings: 2\*PT100(1 PC/each bearing)
- Space Heater: 230V/50HZ
- Baumer-Thalheim ITD40 / Kuebler 1024 Pulses Encoder
- Aux. Terminal Box
- Earthing Brushes
- DE-Side ball bearing for directly coupling
- NDE - Side insulated bearing

### Remark

Driven Machine: Rolling Mill

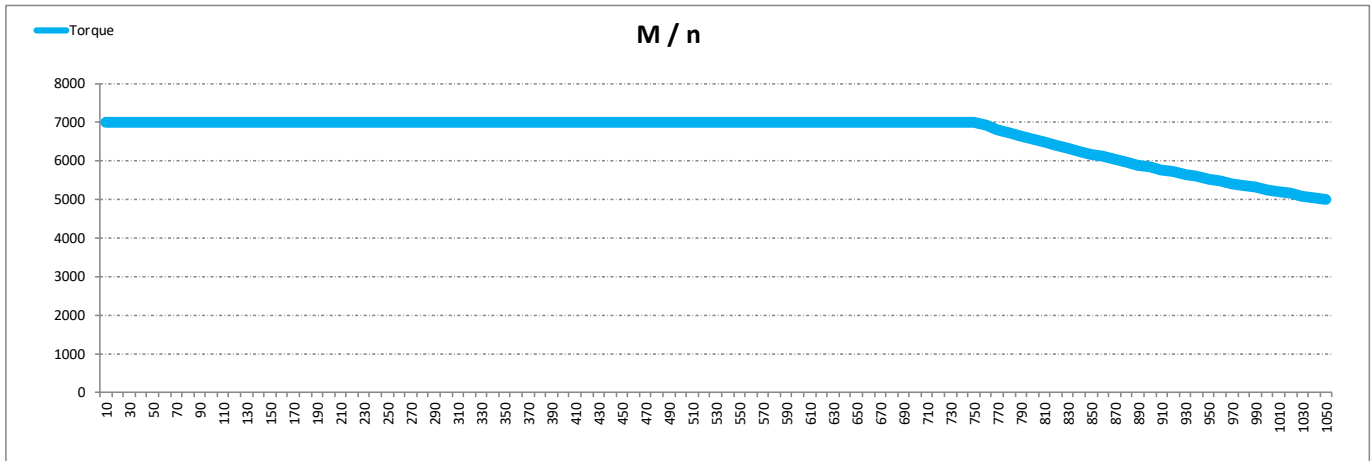
**PRELIMINARY DOCUMENT**

## Three Phase AC Motor Charts

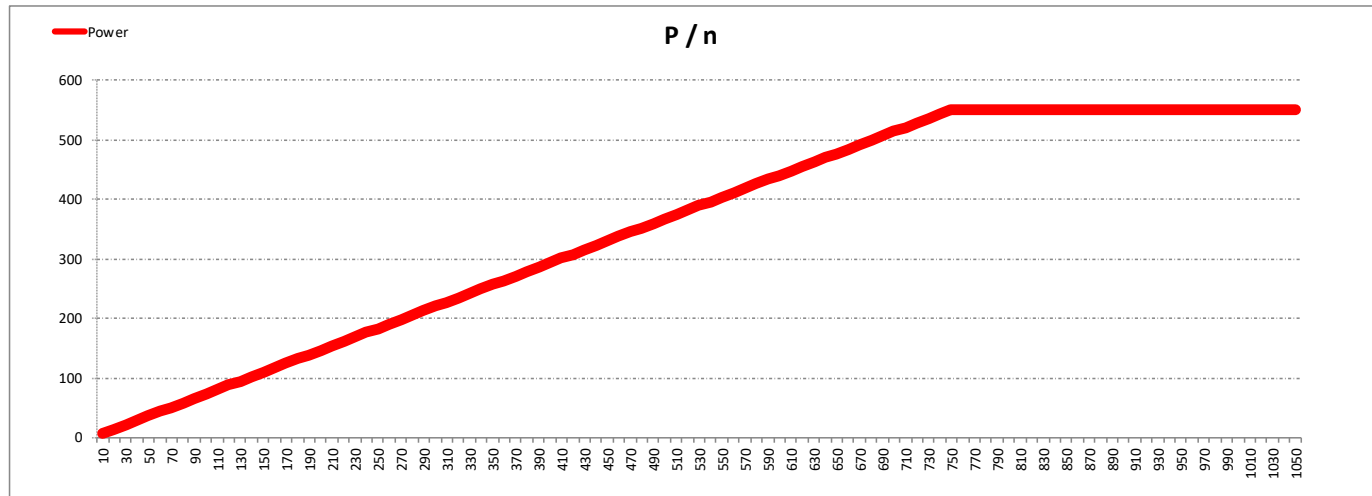
Power : 550 kW  
 Motor Type Code : BLU-K400-8-0550-0010  
 Manufacturer : Bluetech GmbH

BLUETECH GmbH  
 www.bluetech.technology  
 info@bluetech.technology  
 © All rights reserved.

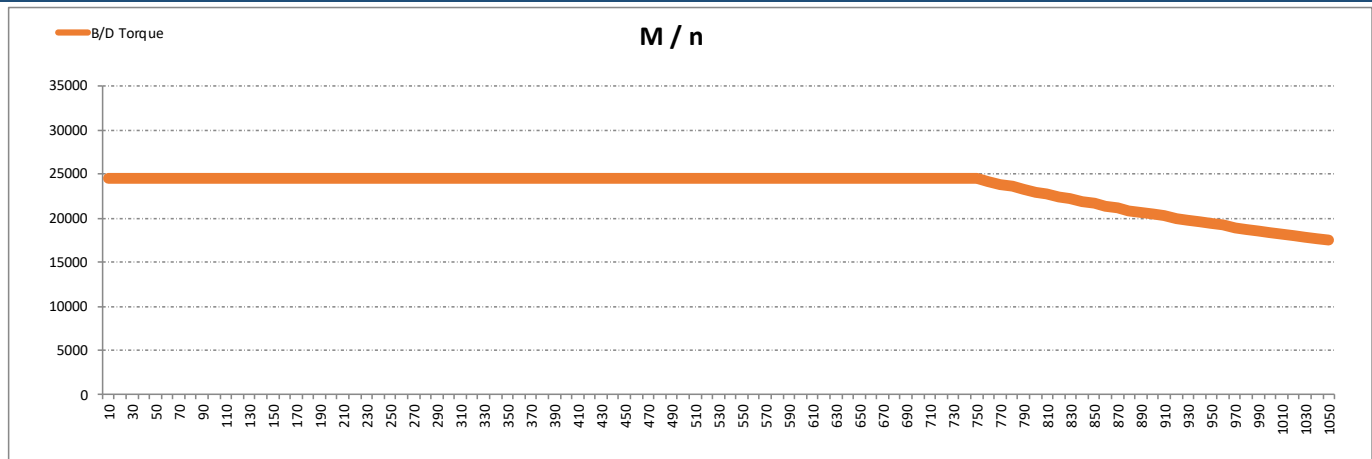
### TORQUE - SPEED CHART



### POWER - SPEED CHART



### BREAKDOWN TORQUE - SPEED CHART

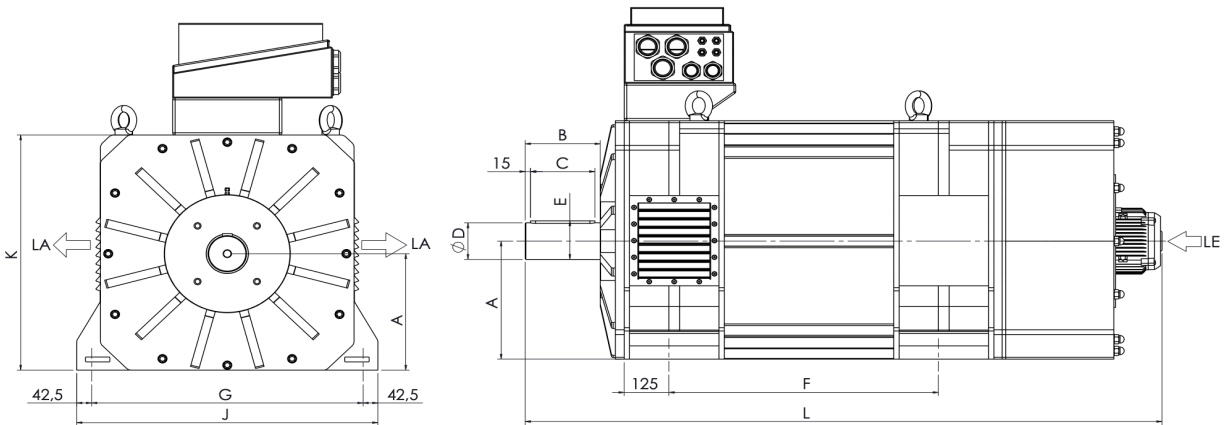


## Three Phase AC Motor Dimensions

Power : 550 kW  
 Motor Type Code : BLU-K400-8-0550-0010  
 Manufacturer : Bluetech GmbH

BLUETECH GmbH  
 www.bluetech.technology  
 info@bluetech.technology  
 © All rights reserved.

### SECTIONS



FRAME	A	L	D	B	C	E	F	G	J	K
355	355	1931,5	∅ 110	210	180	116	904	775	860	717

### DRAWINGS

