

ECI Motor Data Sheet



Typical information:

Motor model: T100ECI10X30 (Integrated drive model)
Input Voltage: 360-480 V 50/60 Hz
Rated torque: 10 N.m *IC418: At least 1m/s air flow cooling
Max speed: 3000 rpm
Rated power: 3.100 kw @3000 rpm

Performance data:

Minimum speed: 1500 rpm Tested data 2020/8/22
Maximum speed: 3000 rpm

Speed Rpm	Voltage V	Torque N.m	Input Current A	Output Power W	*Total Eff %
1500	380	3.1	0.88	587	83.3
1500	380	5.0	1.30	906	86.4
1500	380	7.4	1.90	1344	87.5
1500	380	9.9	2.52	1798	87.3

1800	380	2.5	0.87	581	82.6
1800	380	5.0	1.53	1079	87.8
1800	380	7.4	2.23	1590	88.8
1800	380	9.9	2.96	2118	88.7

2100	380	2.5	0.98	673	83.4
2100	380	5.0	1.75	1237	88.7
2100	380	7.5	2.58	1844	90.1
2100	380	10.0	3.41	2450	90.0

2400	380	2.5	1.09	749	83.4
2400	380	5.0	1.99	1412	89.1
2400	380	7.5	2.91	2086	90.3
2400	380	10.0	3.85	2775	90.7

2700	380	2.5	1.22	854	82.8
2700	380	5.0	2.24	1602	88.7
2700	380	7.5	3.26	2345	90.5
2700	380	9.9	4.31	3116	90.7

3000	380	2.5	1.34	940	83.2
3000	380	5.0	2.48	1774	89.2
3000	380	7.5	3.61	2593	91.0
3000	380	9.9	4.78	3441	91.3

* Total Eff include the VSD loss.



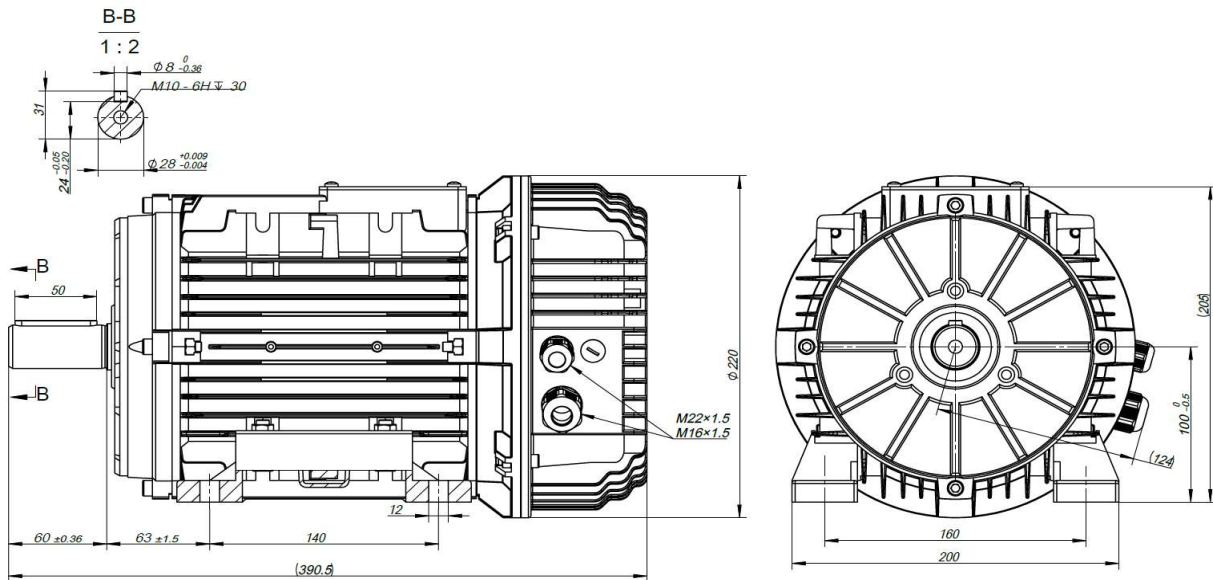
ECI Motor Data Sheet



Motor dimension and mounting method:



- * The feet can be removed.
- * The mounting method can be B3, B5 and B14
- * IC418: Motor must be run at forced air cooling condition



Motor control and connection:

1. Nametage information

Serial n° :			
Model or type :		T100ECI10X30	
Voltage/frequency/phase :		360-480V 50/60Hz 3	
Rate torque and speed :		10 N.m 600-3000 rpm	
Nominal power and current :		3100 w @3000 rpm 3.6 A	
Efficiency:			
S1	IP55	F/B Class	-25 - 40°C
Power terminal and cable		Control terminal and cable	
T1: Brown		Speed output: White	
T2: Blue		On/Off: Red	
T3: Black		12VDC output: Yellow	
PE: Yellow/Green		0-10VDC input: Blue	
ON/OFF control: Red+ Yellow		CW/CCW: Brown	
Rotation change: Brown+ Yellow		Common: Black	

ECI Motor Data Sheet



2. Power and control cable connection

+ Control cable

Item	Fuction	Wire color	Note
1	Speed output	White	3 puls per rev
2	Start/Stop	Red	Start: Red+Yellow
3	DC 12V output	Yellow	
4	DC 0-10V input	Blue	Speed control
5	COM	Black	
6	CW/CCW	Brown	CW: Brown, CCW:Brown+Yellow
7	RS485 B	Gray	
8	RS485 A	Green	

+ Power cable

Item	Fuction	Wire color
9	T1	Brown
10	T2	Blue
11	T3	Black
12	Ground	Yellow/Green