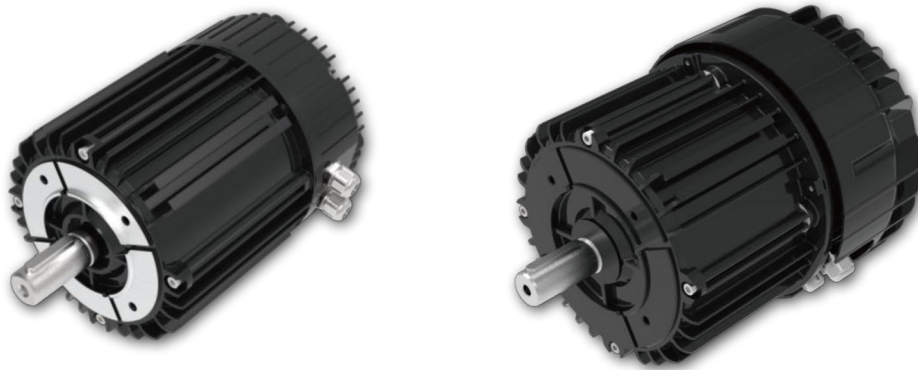


F-ECI series



Motor model list

Frame	Max. speed (r/min)	Power (kW)	Max. torque (N.m)	Model	
F80-ECI	Single-phase, 200-277V, 50/60 Hz				
	600	0.19	3.0	F80ECI03	
		0.31	5.0	F80ECI05	
		0.44	7.0	F80ECI07	
		0.57	9.0	F80ECI09	
	900	0.28	3.0	F80ECI03	
		0.47	5.0	F80ECI05	
		0.66	7.0	F80ECI07	
		0.85	9.0	F80ECI09	
	1200	1.04	11.0	F80ECI11	
		0.38	3.0	F80ECI03	
		0.63	5.0	F80ECI05	
		0.88	7.0	F80ECI07	
	1500	1.13	9.0	F80ECI09	
		1.38	11.0	F80ECI11	
		0.47	3.0	F80ECI03	
	1800	0.94	6.0	F80ECI06	
		0.57	3.0	F80ECI03	
	2100	1.13	6.0	F80ECI06	
		0.66	3.0	F80ECI03	
	3000	1.32	6.0	F80ECI06	
		0.94	3.0	F80ECI03	
	3600	1.13	3.0	F80ECI03	
		1.26	3.0	F80ECI03	
	F80-ECI	Three-phase, 200-277V, 50/60 Hz			
		600	0.31	5.0	F80ECI05
			0.44	7.0	F80ECI07
			0.57	9.0	F80ECI09
			0.63	10.0	F80ECI10
		900	0.47	5.0	F80ECI05
			0.66	7.0	F80ECI07
			0.85	9.0	F80ECI09
1050		0.94	10.0	F80ECI10	
		0.55	5.0	F80ECI05	
		0.77	7.0	F80ECI07	
		0.99	9.0	F80ECI09	
1100		1.10	10.0	F80ECI10	
		Three-phase, 360-460V, 50/60 Hz			
		600	0.31	5.0	F80ECI05
0.44			7.0	F80ECI07	
0.57			9.0	F80ECI09	
0.69			11.0	F80ECI11	
900		0.47	5.0	F80ECI05	
		0.66	7.0	F80ECI07	
		0.85	9.0	F80ECI09	
1100		1.04	11.0	F80ECI11	

IEC MOTOR

FIRE PUMP MOTOR

GOST MOTOR

VHS MOTOR

H.T. MOTOR

S.S. MOTOR

NEMA MOTOR

EC MOTOR

Motor model list

Frame	Max. speed (r/min)	Power (kW)	Max. torque (N.m)	Model	
F80-ECI	1200	0.63	5.0	F80ECI05	
		0.88	7.0	F80ECI07	
		1.13	9.0	F80ECI09	
		1.38	11.0	F80ECI11	
	1500	0.79	5.0	F80ECI05	
		1.10	7.0	F80ECI07	
		1.41	9.0	F80ECI09	
	1800	0.94	5.0	F80ECI05	
		1.32	7.0	F80ECI07	
		1.70	9.0	F80ECI09	
	2100	1.10	5.0	F80ECI05	
		1.54	7.0	F80ECI07	
		1.98	9.0	F80ECI09	
	3000	1.57	5.0	F80ECI05	
	3600	1.89	5.0	F80ECI05	
	4000	2.09	5.0	F80ECI05	
	Single-phase, 200-277V, 50/60 Hz				
	1800	0.57	3.0	F80ECI03	
		1.13	6.0	F80ECI06	
	2100	0.66	3.0	F80ECI03	
1.32		6.0	F80ECI06		
3000	0.94	3.0	F80ECI03		
3600	1.13	3.0	F80ECI03		
4000	1.26	3.0	F80ECI03		
F112-ECI	Three-phase, 200-277V, 50/60 Hz				
	600	0.94	15.0	F112ECI15	
		1.13	18.0	F112ECI18	
		1.32	21.0	F112ECI21	
		1.45	23.0	F112ECI23	
	700	1.10	15.0	F112ECI15	
		1.32	18.0	F112ECI18	
		1.54	21.0	F112ECI21	
		1.69	23.0	F112ECI23	
	Three-phase, 200-277V, 50/60 Hz				
	600	0.94	15.0	F112ECI15	
		1.13	18.0	F112ECI18	
		1.32	21.0	F112ECI21	
	700	1.10	15.0	F112ECI15	
		1.32	18.0	F112ECI18	
		1.54	21.0	F112ECI21	
	Three-phase, 360-460V or 380-480V ± 10%, 50/60 Hz				
	600	0.94	15.0	F112ECI15	
		1.13	18.0	F112ECI18	
		1.32	21.0	F112ECI21	
		1.51	24.0	F112ECI24	
		1.76	28.0	F112ECI28	
		1.89	30.0	F112ECI30	
	900	1.41	15.0	F112ECI15	
		1.70	18.0	F112ECI18	
		1.98	21.0	F112ECI21	
		2.26	24.0	F112ECI24	
		2.64	28.0	F112ECI28	
1200	1.89	15.0	F112ECI15		
	2.26	18.0	F112ECI18		
	2.64	21.0	F112ECI21		
	3.02	24.0	F112ECI24		
	3.52	28.0	F112ECI28		

*Detailed data of the motor is shown in the data sheet, such as torque, current and efficiency.



*F series ECI motors support three frequency voltage modes, 400V and 230V at 3ph and 230V at 1ph, with a maximum power of 3.7kW at 400V and 2kW at 230V.

*IC418-TEAO: The motor shall be operated under forced air-cooled conditions and the minimum airflow through the motor frame and over the drive cover shall meet the data sheet requirements.



*IC416-TEFV: Individual fan cooling is optional for all F-Series.

ECI motor nameplates

Single phase nameplates of ECI motor

						
No. : *****					Power terminal and cable Line supply:Brown Neutral:Blue PE:Yellow/Green	
Type : F80ECI03X36XS1						
V/Hz/Ph~: 200-277V,50/60Hz,1ph					Control terminal and cable Speed output:White On/Off: Red 12VDC output: Yellow 0-10VDC input: Blue Common: Black Modbus: A-Green B-Grey	
SF1.0	IP65	CL.F	CONT/S1	TEFV		
2.9Nm	3600rpm	1.1kW	7.9A	EFF.90.1%		
8.0 kg	Manufacturer Data :yyyy-mm-dd					
					ON/OFF:Red+ Yellow CW/CCW:Yellow+Brown	

Three phase nameplates of ECI motor

						
No. : *****					Power terminal and cable L1:Brown L2:Black L3:Grey PE:Yellow/Green	
Type : F80ECI05X40XT1						
V/Hz/Ph~: 360-460V,50/60Hz,3ph					Control terminal and cable Speed output:White On/Off: Red 12VDC output: Yellow 0-10VDC input: Blue Common: Black Modbus: A-Green B-Grey	
SF1.0	IP65	CL.F	CONT/S1	TEFV		
5Nm	4000rpm	2.09kW	3.6A	EFF.92.2%		
9.4 kg	Manufacturer Data :yyyy-mm-dd					
					ON/OFF:Red+ Yellow CW/CCW:Yellow+Brown	

Remark:

The format of the rating plate is for reference only. The final data will be subject to the actual rating plate.

ECI motor structure reference

Motors and Exploded Drawings (IC418-TEAO)

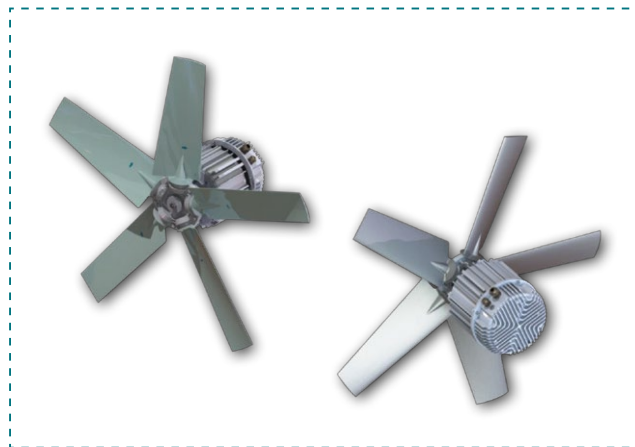


E CI motor structure reference

Motors and Exploded Drawings (IC416-TEFV)



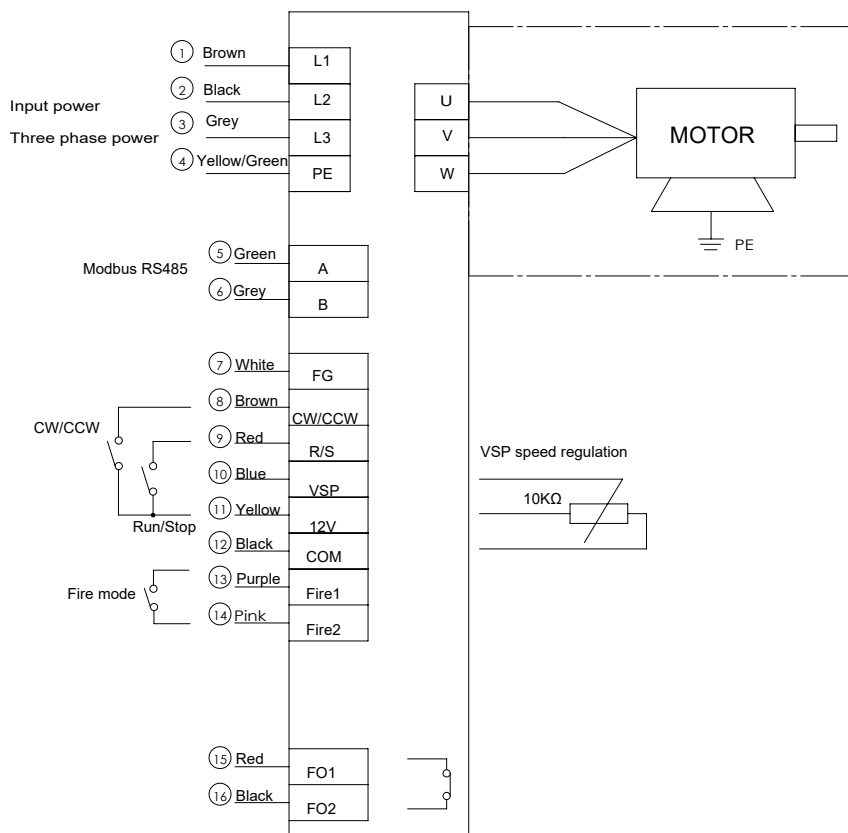
Application view (IC418-TEAO)



Three-phase motor power line

Item	Fuction	Wire color	Note
1	L1	Brown	Three phase power
2	L2	Black	Three phase power
3	L3	Grey	Three phase power
4	PE	Yellow/Green	

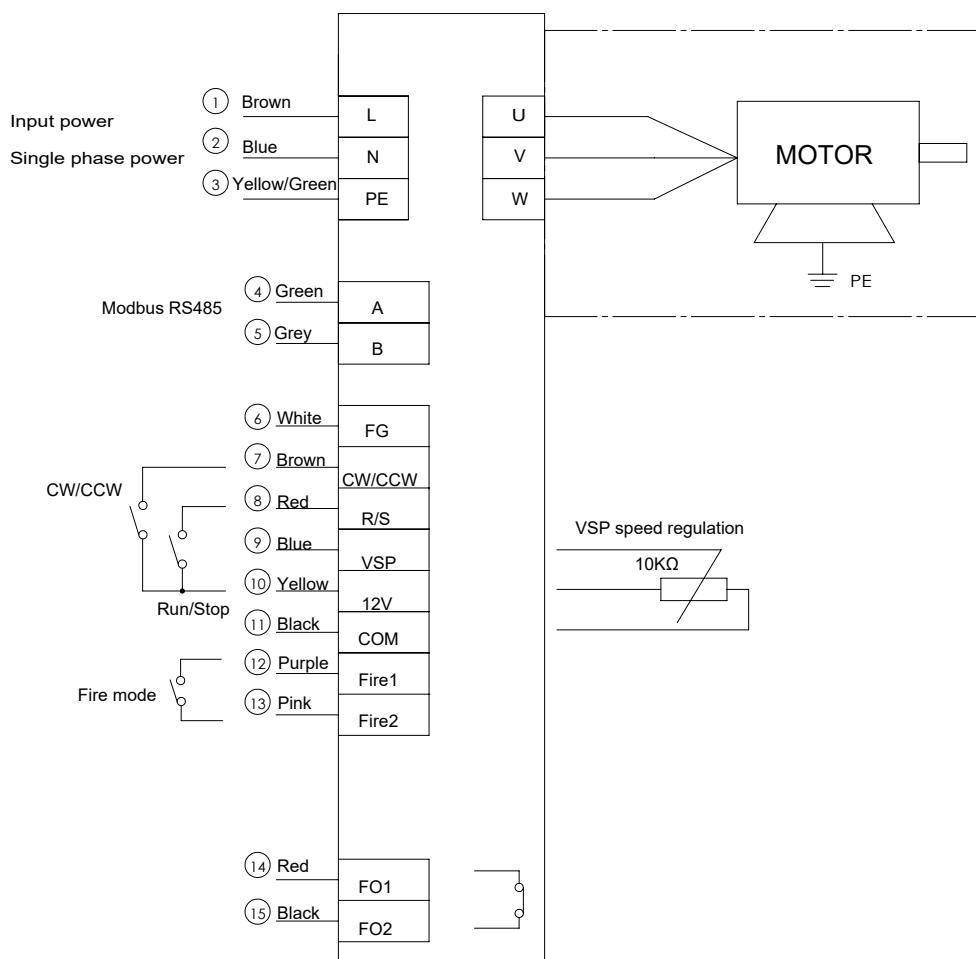
Wiring diagram of three-phase motor



Single-phase motor power line

Item	Fuction	Wire color	Note
1	L	Brown	Single phase power
2	N	Blue	Single phase power
3	PE	Yellow/Green	

Wiring diagram of single-phase motor

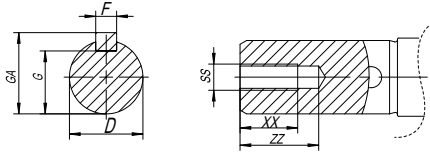


ECI motor control line definition

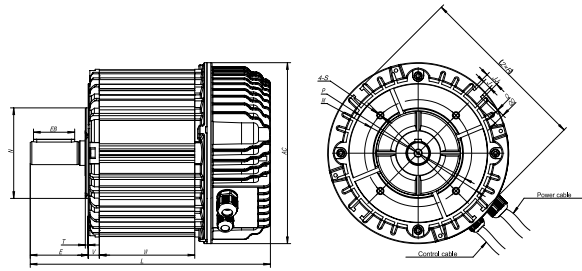
Item	Fuction	Wire color	Note
5	RS485 A	Green	Modbus 485
6	RS485 B	Gray	Modbus 485
7	FG	White	3 pules per rev
8	CW/CCW	Brown	CW: Brown, CCW: Brown + Yellow
9	Run/Stop	Red	Run: Red + Yellow
10	VSP	Blue	Speed control
11	DC 12V output	Yellow	
12	COM	Black	
13	Fire 1	Purple	Optional
14	Fire 2	Pink	Optional
15	FO 1	Red	Optional
16	FO 2	Black	Optional

E CI motor machinal dimension

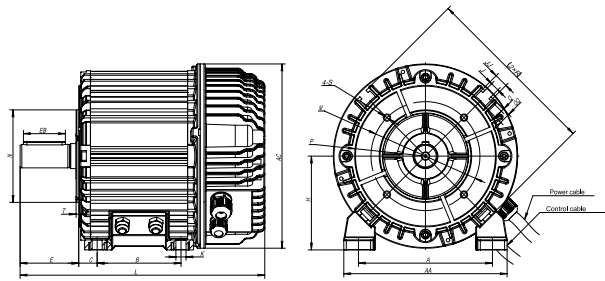
•F112ECI-IC418



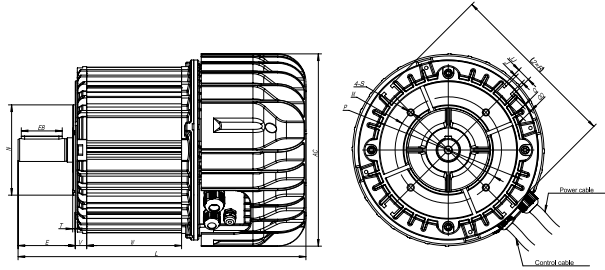
Shaft size



B14

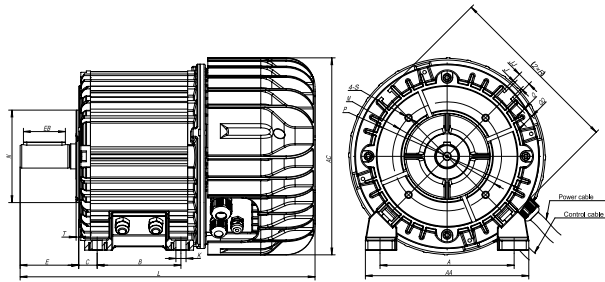


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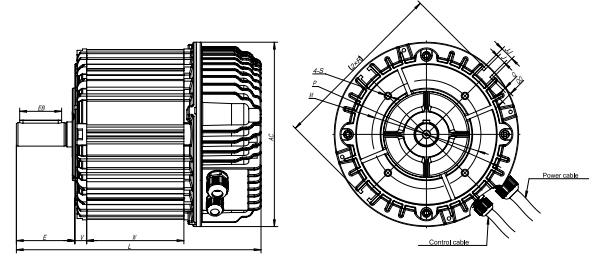


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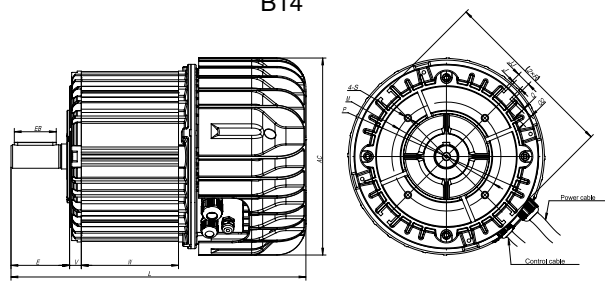
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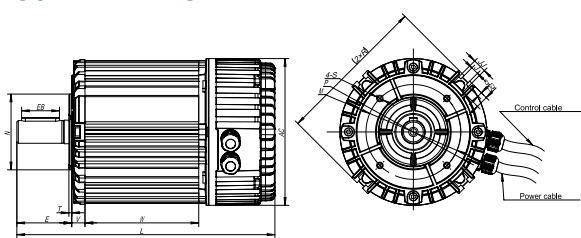


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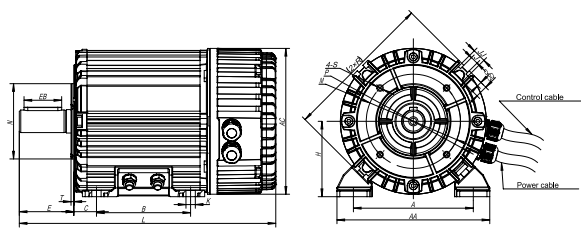


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•F80ECI-IC418

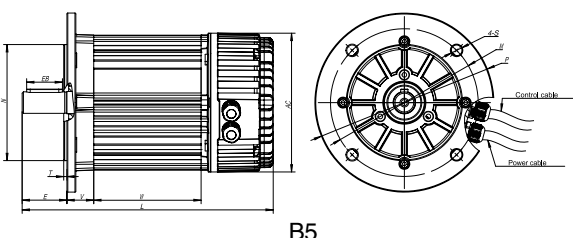


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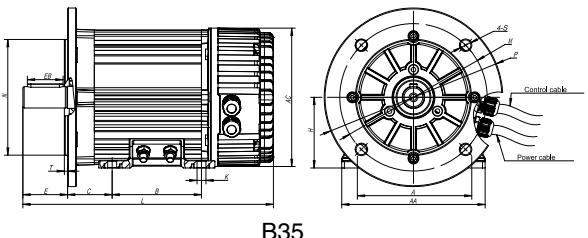


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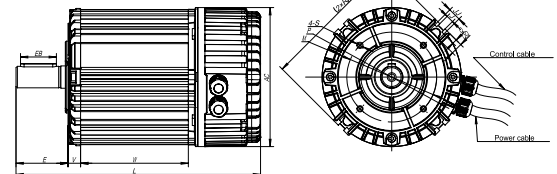
E CI motor machinal dimension



B5

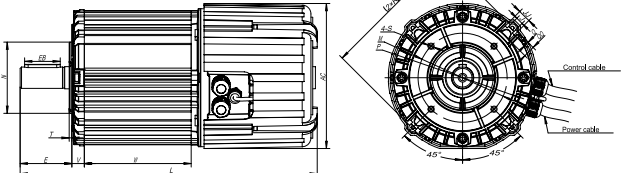


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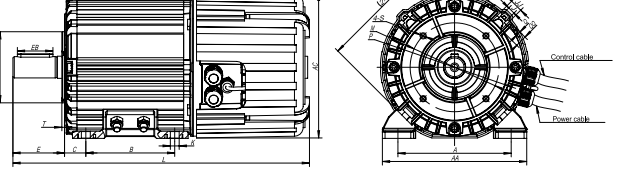


B13

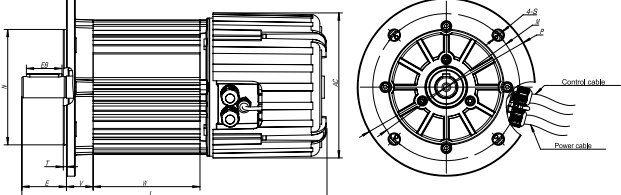
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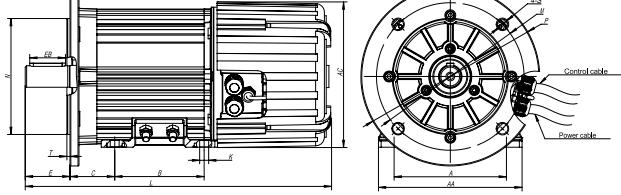
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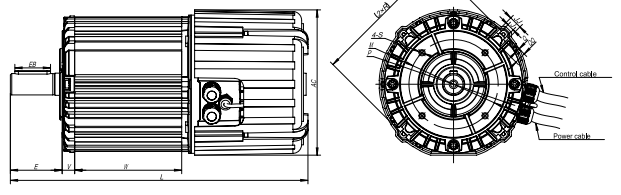
B34



B5



B35



B13

Frame	Foot Mounting				Shaft								General							
	H	A	B	D	E	F	G	K	SS	EB	XX	ZZ	AA	R	J	JJ	Q	QQ	AC	
80	80	125	100	24	50	8	20	10 x 13	M8	40	19	25	160	160	8.2	14.4	5	13	163	Φ155
112	112	160	100	28	60	8	24	12 x 16	M10	50	22	25	195	211	10.5	16.4	3.5	13.5	235	Φ220

Frame	B5										B14									
	N	M	P	S	T	E	V	W	L		N	M	P	S	T	E	V	W	L	
									IC416	IC418									IC416	IC418
80	Φ130	Φ165	Φ200	Φ12	3.5	50	30	120	343	281	Φ80	Φ100	Φ120	M6	3	58	14	120	335	273
112	/	/	/	/	/	/	/	/	/	/	Φ110	Φ130	Φ170	M8	3.5	70.5	13.5	116	352	292

Frame	B34								B35								B13							
	N	M	P	S	T	E	C	L		N	M	P	S	T	E	C	L		E	V	W	L		
								IC416	IC418								IC416	IC418				IC416	IC418	
80	Φ80	Φ100	Φ120	M6	3	58	24	335	273	Φ130	Φ165	Φ200	Φ12	3.5	50	50	343	281	58.5	14.5	120	335	273	
112	Φ110	Φ130	Φ170	M8	3	/	21.5	/	292	/	/	/	/	/	/	/	/	/	70	14	116	352	292	