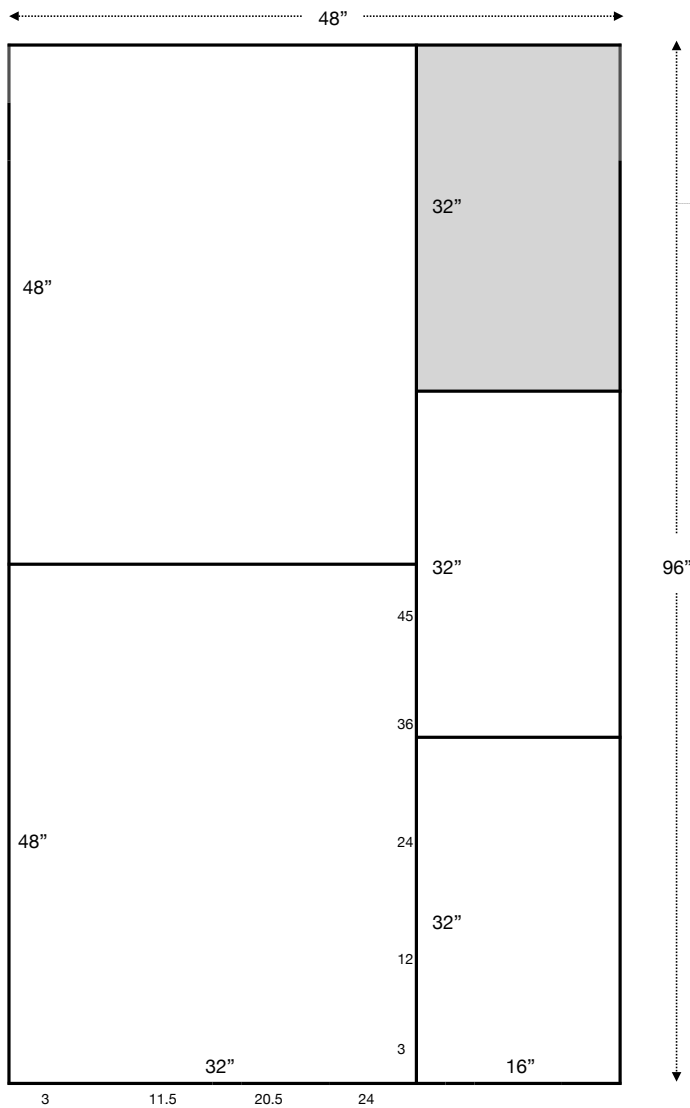
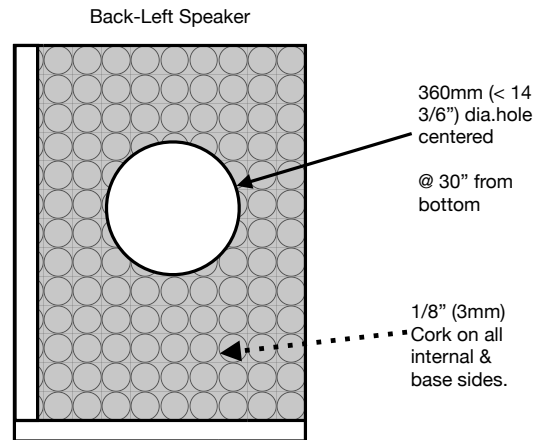
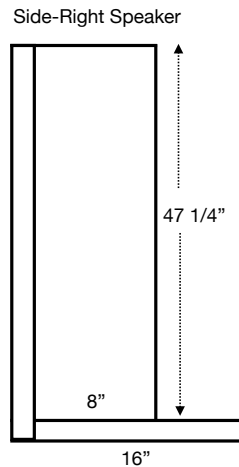
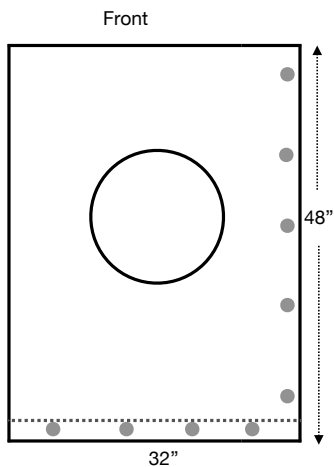
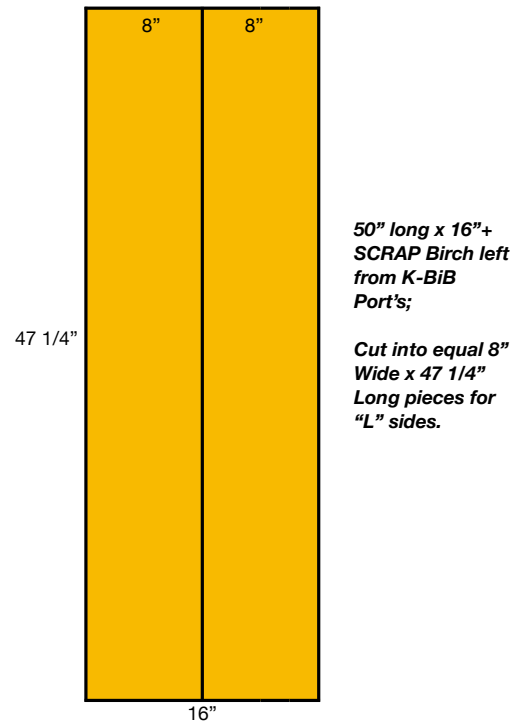


# F15 "L Open-Baffle" Speaker Construction



## One 4ft. x 8ft. x 3/4" Maple Plywood

- > Two each of 32" wide x 48" long
- > Two each of 32" wide x 16" long
- > One each of 32" long x 16" wide (Scrap)
- > **Two each of 8" wide x 47 1/4" long (Birch**
- > One 48" x 96" x 1/8" Thick Cork Roll



# F15 "L Open-Baffle" Speaker Construction

## Bill-of-Material

1	2	15" Lii Song F15 speakers/drivers	\$399.00
2	1	4ft. x 8ft x 3/4" Maple veneer finished plywood (Lowes)	\$89.78
3	1	48" x 96" x 3mm thick Cork - for back sides and top of base (Amazon)	\$47.28
4	1	Glue for Cork - 3M Liquid Spray 90 (Home Depot)	\$17.98
5	1	"Titebond Original" for sealing edges (Lowes) ... "not Liquid Nails"	\$5.48
6	1	1/8" in. x 3/8" 50 ft. Grey Poly Foam Weather-stripping (Parts Express)	\$13.98
7	16	#8x3/4" Black wood screws for speaker attachment (Parts Express)	\$2.29
8	1	Quart Lacquer Thinner/Cleaner (Home Depot)	\$9.98
9	24	#8 x 1 5/8" in. DeckMate screws for side boards (Home Depot)	\$10.97
10	1	Satin lacquer for coating plywood fronts - Deft qt. (Alpine Lumber)	\$26.05
11	1	2" Wide Masking Tape (Home Depot)	\$4.78
12	1	M8x30 Bolt, Washer & Nut (Joe's Hardware)	\$1.94
13	8	M8 Zinc T-Nut (Home Depot)	\$2.75
14	8	Target Spike "Shoes" (already had)	\$79.90
15		Tax (0.081875)	\$19.10
16		Shipping	\$65.00
17		Total Cost Estimate:	\$796.26

## Specifications

- > F15 Lii Song Driver = 6.56 ohms Impedance & 99.0 SPL
- > 3/4" hardwood panels w/3mm cork backing
- > 1 wpc minimum amplifier required
- > see frequency vs. impedance chart below



# F15

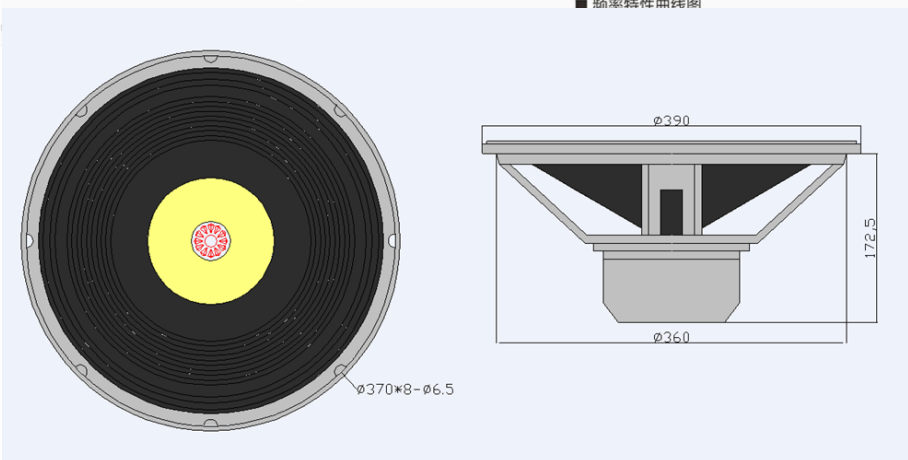
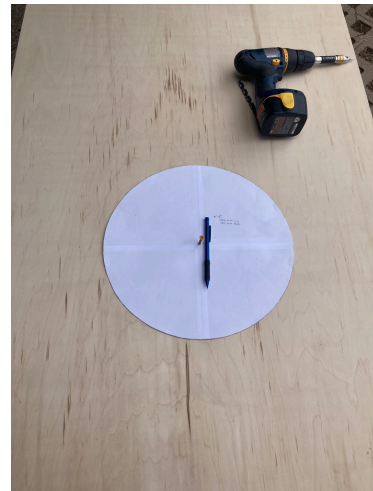
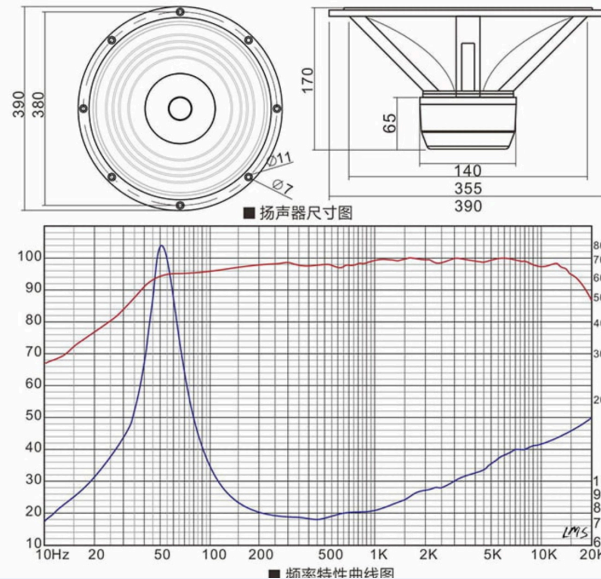
## 38CM FULL RANGE SPEAKER UNIT

### ■ 扬声器消声室测试参数

#### Measured Parameters

Line	parameter	Value	Units
1.	RMSE-free	1.35	Ohms
2..	Fs	49.6	Hz
3.	Re	6.56	Ohms(dc)
4.	Qes	63.78	Ohms
5.	Qms	7.45	
6.	Qes	0.78	
7.	Qts	0.71	
8.	L1	0.11	mh
9.	L2	0.47	mh
10.	R2	3.57	Ohms
11.	RMSE-load	0.85	Ohms
12.	Vas(sd)	178.5	liters
13.	Mms	13.7	grams
14.	Cms	1473	um/newton
15.	Bl	5.92	Tesla-m
16.	Splref(sd)	97.2	db(re)
17.	Rub-index	0.5	

Method: Mass-loaded(13.500 grams)  
Area(Sd): 146.56 sq cm  
Dcr mode: Measure(-0.80 ohms)  
Qc file: CLOSED





## F15 "L Open-Baffle" Speaker Construction

