

PURCHASER	P.O. #	DATE
PROJECT	LOCATION	
ENGINEER	ARCHITECT	
SUBMITTED BY	FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL



115 VOLT MODELS
 FSHSW09A1A, FSHSW12A1A



230/208 VOLT MODELS

FSHSW18A3A, FSHSW24A3A



FSHSW36A3A



WIRELESS
 REMOTE CONTROL

Features

- ✔ Inverter technology is more energy efficient and can self-adjust capacity to match cooling needs
- Multiple operating modes including: auto, cool, dry, fan only and heat
- TURBO mode operates the unit at maximum performance to quickly bring the room to set temperature
- 4 fan speeds heating or cooling: high, medium, low, "quiet", plus auto-fan
- Continuous 'Air Sweep' up & down
- LCD remote
- ✔ 24-hour timer and sleep timer
- ✔ Soft start compressor
- ✔ BLDC motor
- Indoor unit will briefly display set or room temperature
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleek appearance
- Washable air filters
- 115V/230V models will provide cooling in outdoor temperatures down to 0°F



FLOATING AIR® SELECT | SINGLE ZONE | WALL-MOUNTED HEAT PUMPS

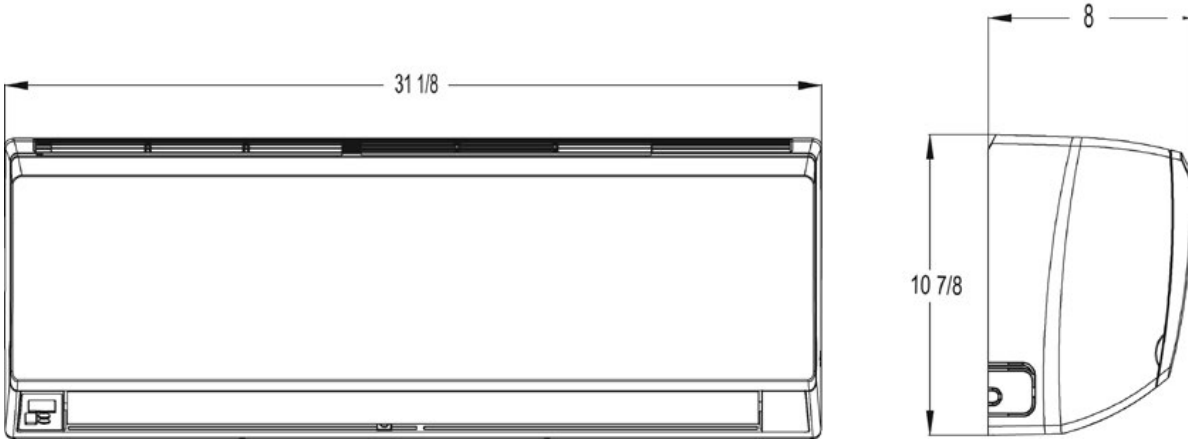
PERFORMANCE RATINGS		115 volt models		230/208 volt models		
SYSTEM MODEL NO.		FSHW091	FSHW121	FSHW183	FSHW243	FSHW363
INDOOR MODEL		FSHSW09A1A	FSHSW12A1A	FSHSW18A3A	FSHSW24A3A	FSHSW36A3A
OUTDOOR MODEL		FHSR09A1A	FHSR12A1A	FHSR18A3A	FHSR24A3A	FHSR36A3A
SPECIFICATIONS						
CAPACITY COOLING (RATED)	Btu	9000	12000	18000	24000	36000
CAPACITY COOLING MIN - MAX	Btu	3100-9600	3100-12500	3412-20472	8600-24000	7404-35997
CAPACITY HEATING (RATED) @ 47°F	Btu	9500	13000	19800	24000	34600
CAPACITY HEATING (RATED) @ 17°F	Btu	6800	7100	12800	14600	20200
CAPACITY HEATING MIN - MAX	Btu	3100-12000	3412-15013	3412-21837	8600-26000	14979-35997
SENSIBLE HEAT RATIO		0.79	0.73	0.77	0.77	0.75
HSPF		9.0	9.0	9.0	10.0	9.0
HSPF2		8.3	8.0	7.5	8.5	7.5
SEER		18.0	18.0	18.0	18.0	18.0
SEER2		17.0	17.5	17.0	18.0	18.0
EER		9.55	10.05	9.89	10.95	8.2
MOISTURE REMOVAL	Pts/h	1.69	2.96	3.8	4.23	7.4
AIRFLOW (HIGH/MED/LOW/QUIET)	CFM	318/288/241/171	400/318/241/194	500/441/383/294	588/441/306/206	883/765/647/559
SOUND RATING - INDOOR (HIGH/MED/LOW/QUIET)	dB-A	43/38/34/28	43/39/35/29	47/46/41/35	49/46/42/36	54/49/44/37
SOUND RATING - OUTDOOR	dB-A	52	53	57	58	65
OPERATING RANGE (HEATING)	°F	-4°-75°	-4°-75°	-13°-75°	-13°-75°	-4°-75°
OPERATING RANGE (COOLING)	°F	0°-115°	0°-115°	0°-115°	0°-115°	0°-115°
EST. YEARLY OPERATING COST	U.S. \$	\$67	\$113	\$146	\$198	\$368
ELECTRICAL DATA						
POWER SOURCE	V-Hz-Phase	115-60-1	115-60-1	230/208-60-1	230/208-60-1	230/208-60-1
MIN. AMPACITY	A	17	20	16	16	24
COOLING WATTS	W	900	1194	1820	2010	4100
COOLING AMPS	A	10.87	13.0	8.1	17.0	10.87
HEATING WATTS	W	870	1250	2090	2130	3800
HEATING AMPS	A	10.36	13.5	8.5	9.45	16.5
MAX. TD FUSE/ BREAKER	A	25	30	25	25	40
REFRIGERATION SYSTEM						
REFRIGERANT		R410A	R410A	R410A	R410A	R410A
COMPRESSOR TYPE		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
CONNECTIONS		Flare	Flare	Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4"	1/4"	1/4"	1/4"	1/4"
SUCTION LINE O.D.	in	3/8"	3/8"	1/2"	5/8"	5/8"
REFRIGERANT CHARGE	oz.	24.7	31.8	45.68	56.4	91.71
FACTORY PRECHARGE	ft	25	25	25	25	25
MIN. / MAX. LINE LENGTH	ft	7/66	7/98	10/100	10/100	15/98
MAX. HEIGHT DIFFERENCE	ft	32.8	49.2	65.0	65.6	32.8
DIMENSIONS & WEIGHT						
INDOOR UNIT						
W x H x D	in	31 1/8 x 10 7/8 x 8	31 1/8 x 11 3/8 x 8	38 x 11 7/8 x 9	42 1/2 x 12 7/8 x 10	53 1/8 x 12 7/8 x 10
NET WEIGHT	lbs	20.9	23.2	30.9	37.5	42.0
SHIPPING WEIGHT	lbs	25.4	27.6	37.5	45.2	51.8
OUTDOOR UNIT						
W x H x D	in	33 1/2 x 21 1/4 x 12 5/8		37 5/8 x 27 5/8 x 15 5/8		38 5/8 x 31 1/8 x 16 7/8
NET WEIGHT	lbs	62.8	67.3	97.0	103.6	161
SHIPPING WEIGHT	lbs	68.4	72.8	106.9	113.5	171.9
TOTAL NET WEIGHT	lbs	83.7	90.5	127.9	141.1	203
TOTAL SHIPPING WEIGHT	lbs	93.8	100.4	144.4	158.7	223.7

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a electricity cost of \$.13 per kWh. For more information, visit www.ftc.gov/energy. Due to continuing research in new energy-saving technology, specifications are subject to change without notice.

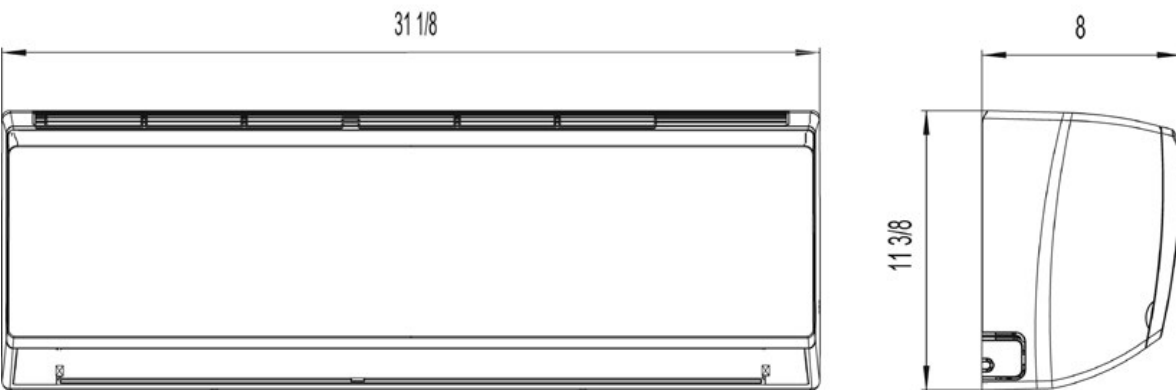


DIMENSIONAL DRAWINGS

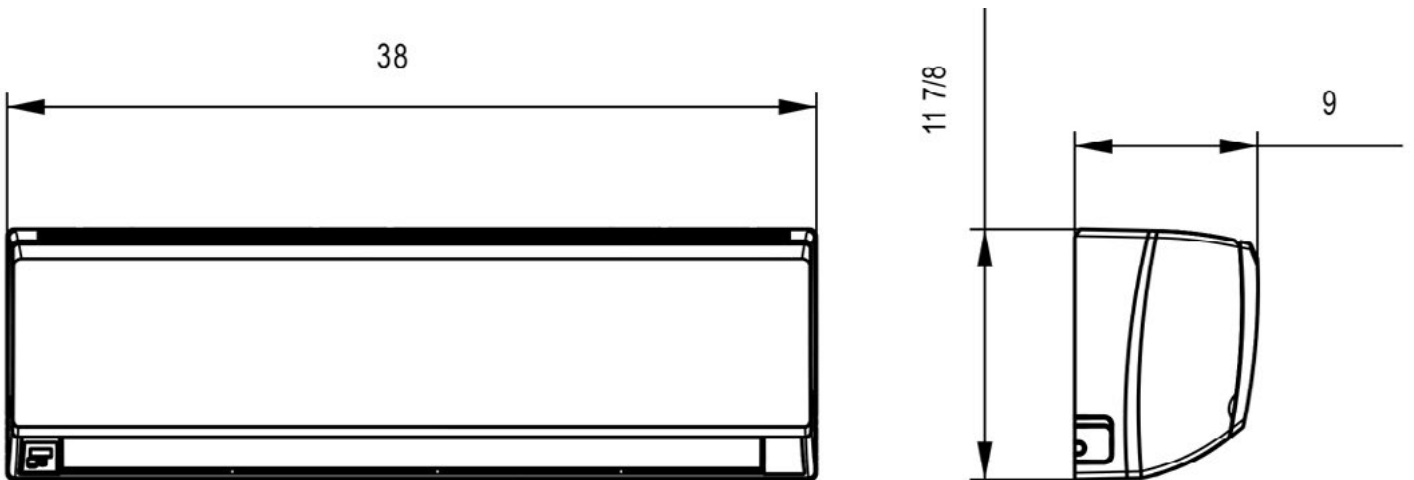
INDOOR UNIT / FSHSW09A1A



INDOOR UNIT / FSHSW12A1A

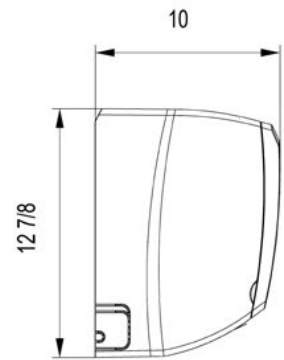
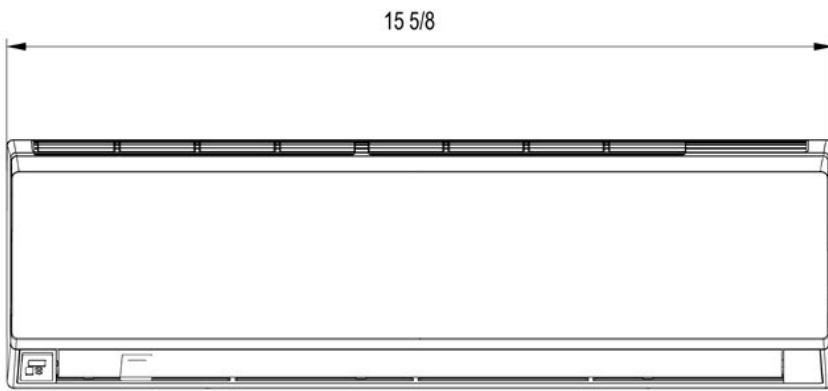


INDOOR UNIT / FSHSW18A3A

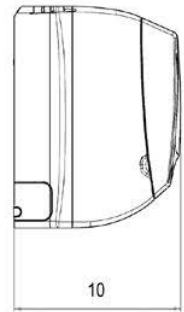
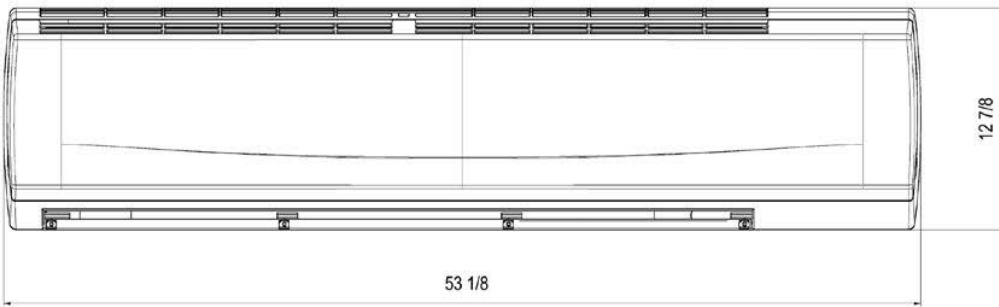


DIMENSIONAL DRAWINGS

INDOOR UNIT / FSHSW24A3A

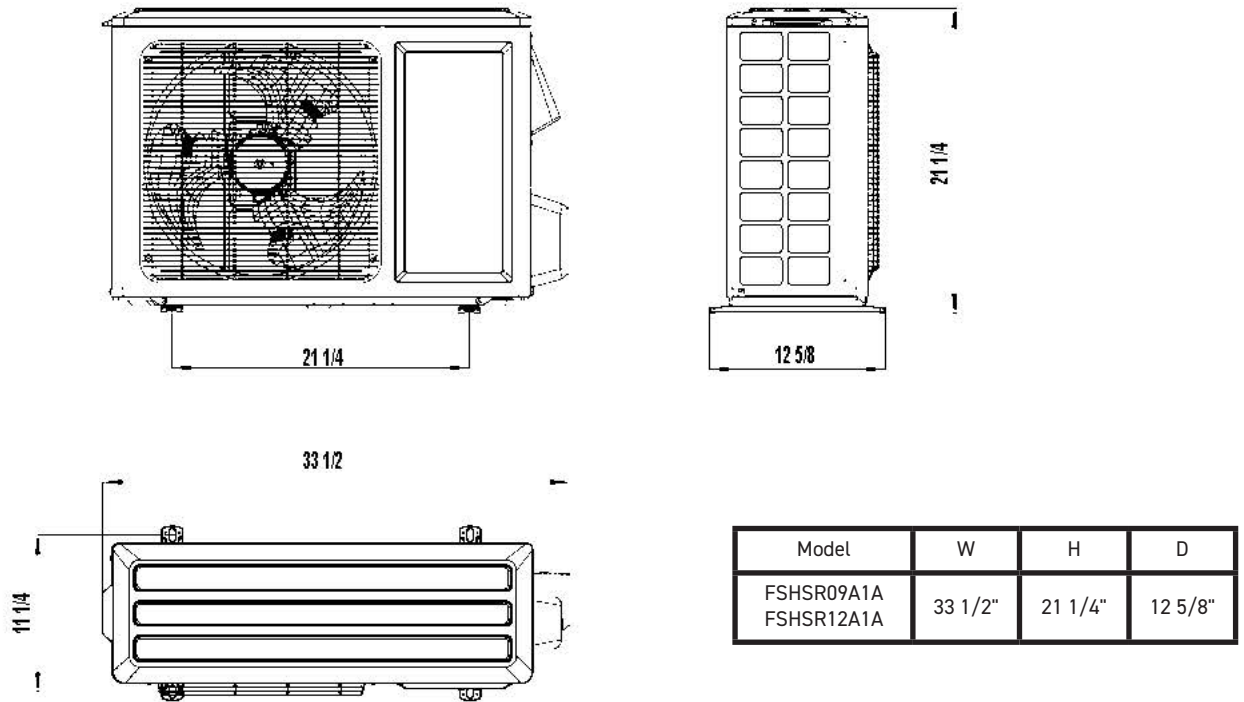


INDOOR UNIT / FSHSW36A3A

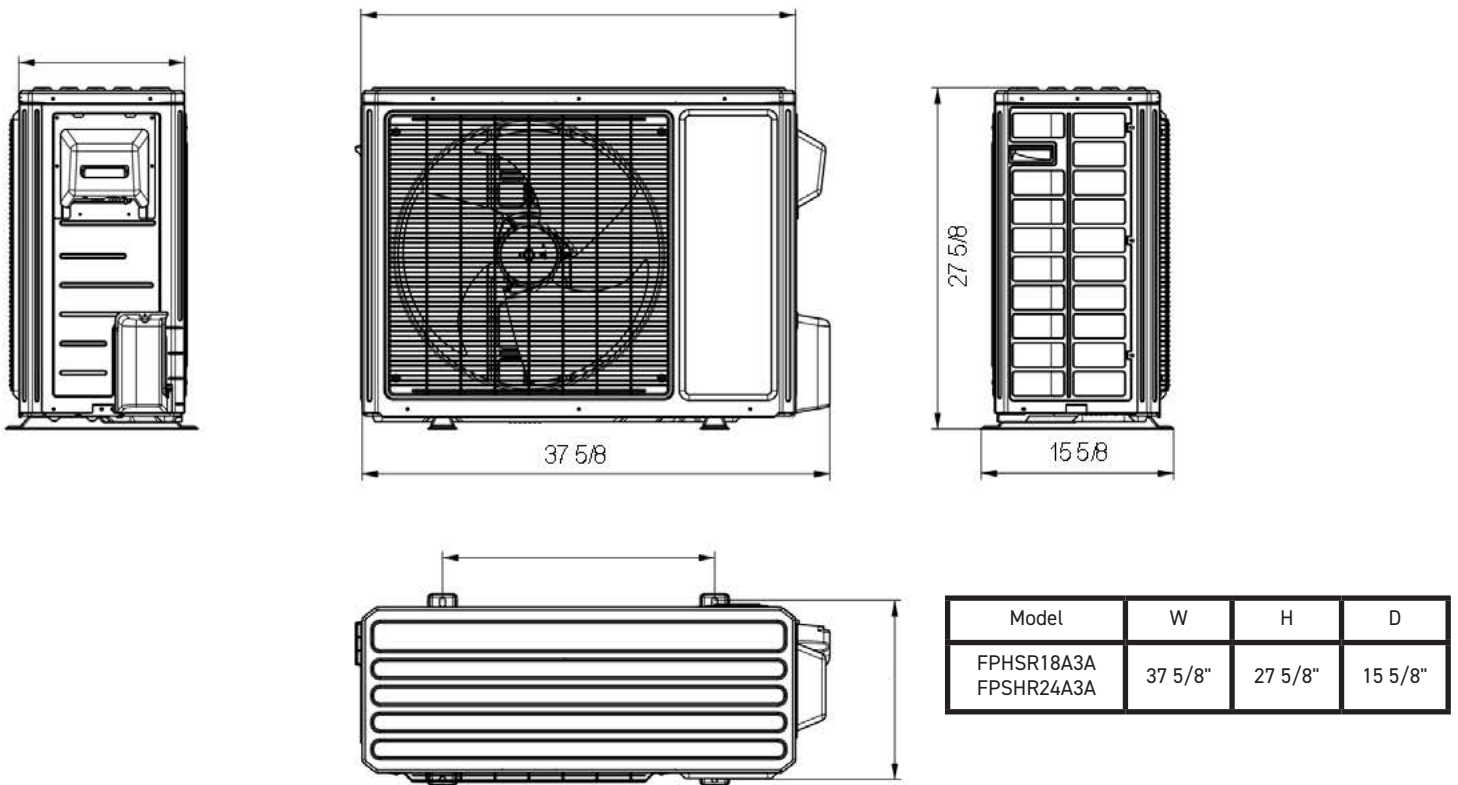


DIMENSIONAL DRAWINGS

OUTDOOR UNITS / FSHSR09A1A, FSHSR12A1A

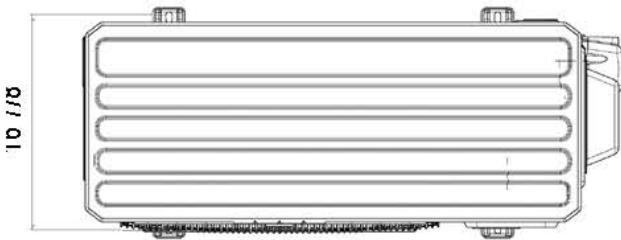
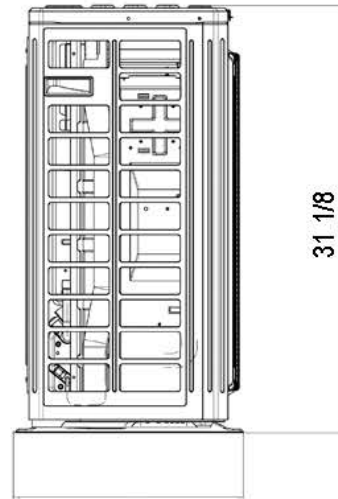
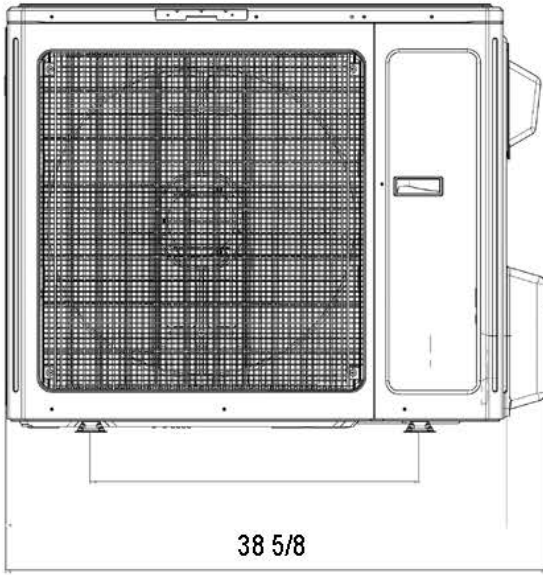


OUTDOOR UNITS / FSHSR18A3A, FSHSR24A3A



DIMENSIONAL DRAWINGS

OUTDOOR UNITS / FSHSR36A3A



Model	W	H	D
FSHSR36A3A	38 5/8"	31 1/8"	16 7/8"

OPTIONAL ACCESSORIES



DFACC
LCD remote for cooling
only operation



FSWC1
Optional wired wall
controller

LINE SETS

REFRIGERATION LINE SETS MIN./MAX. LENGTHS

FLOATING AIR® SELECT		
FSHW091B	10	66
FSHW121B	10	66
FSHW183B	10	82
FSHW243B	10	82
FSHW363B	15	98

REFRIGERATION LINE SETS (REQUIRED) OUTSIDE DIMENSIONS

FLOATING AIR® SELECT WALL-MOUNTED				
FSHW091B	1/4	3/8	T32150 - 15'	T32350 - 35'
FSHW121B	1/4	3/8	T32150 - 15'	T32350 - 35'
FSHW183B	1/4	1/2	T42150 - 15'	T42350 - 35'
FSHW243B	1/4	5/8	T52250 - 25'	T52350 - 35'
FSHW363B	1/4	5/8	T52250 - 25'	T52350 - 35'

TORQUE WRENCH SETTINGS

Outside Diameter		Torque	
mm	inch	ft.-lbs.	N·m
6.35	1/4	13 - 18	17.6 - 24.5
9.52	3/8	25 - 30	33.3 - 41.2
12.7	1/2	40 - 47	53.9 - 64.7
15.88	5/8	45 - 59	61.7 - 80.4