



# TILT-SPIRAL MIXER



**Spiral Mixer, 520 Lb. Dough Capacity, 2 Speeds, Programmable Digital Control, Stationary Stainless Steel Bowl, Safety Guard & Dough Hook, Cast Iron Frame with Enamel Coated Steel Finish, Protective Rail Dropping at 53 5/8", 10 & 2 HP (Hook & Bowl), 208-240/60/3P/32A, NEMA 15-30P**



PROJECT \_\_\_\_\_  
 ITEM NO. \_\_\_\_\_  
 NOTES \_\_\_\_\_  
 MODEL NUMBER: **AR150XA , AR150XE , AR150XB**



**FEATURES**

- Unique Easy to Use Digital Control
  - 2 Speeds (no need to stop mixer to change speed)
  - 99 Minute Mixing Timer
  - 9 Programmable Speed & Time Settings
- Emergency Stop
- Hydraulic Lifting System to Empty Bowl
- Stainless Steel 375 Quart Bowl with Rounded Center Post
- Stainless Steel Dough Hook
- Integrated Standard Bowl Drain
- Wire Guard for Bowl Featuring Automatic Motor Cut-Off Switch
- Thermal Overload Protection for Motor
- Non-Slipping Belt Driven Motor

**CONSTRUCTION**

- Heavy Duty Frame with Lead-Free Enamel Coating

**OPTIONS & ACCESSORIES**

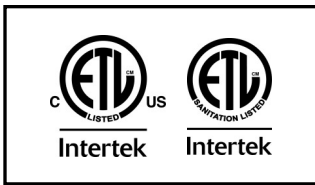
- Stainless Steel Construction [Suffix I]
- Paddle w/Scraper (Installed by Factory)
- Left Lifting Model (Replace X with C)
- Right Lifting Model (Replace X with D)
- #12 Attachment Hub
- International Voltages Available (Contact Factory)
- Jog & Reverse
- Integrated Water Meter
- Touchscreen Controls

**CLEARANCES**

- 6" (152mm) On Left & Right Side
- 25" (635mm) Back
- Top & Bottom Must Remain Unobstructed
- Note Additional Clearance Requirements if Utilizing #12 Hub Attachment

**WARRANTY**

- One Year Labor & Two Year Parts



**NEMA 15-50P**



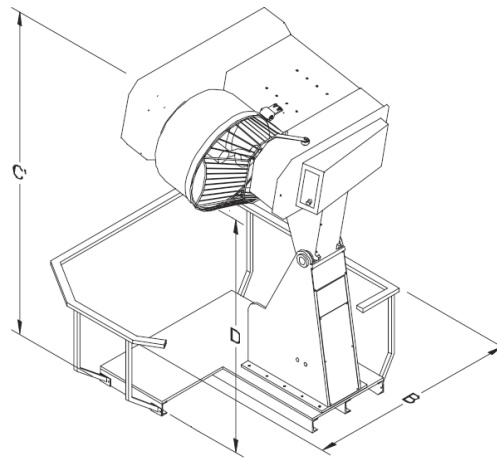
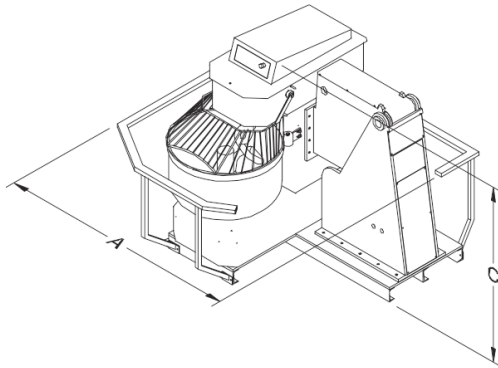
Model	Weight	Overall Dimensions					Bowl & Hook	Hydraulics
		W	D	Height Min.	Height Max.	Dropping Height		
AR150XA	3075 (1395)	70.07" (1780)	92.12" (2340)	61.81" (1570)	101.18" (2570)	57.48" (1460)	18 HP	2 HP
AR150XB	3423 (1553)	70.07" (1780)	92.12" (2340)	61.81" (1570)	117.32" (2980)	74.40" (1890)	18 HP	2 HP





PROJECT \_\_\_\_\_  
 ITEM NO. \_\_\_\_\_  
 NOTES \_\_\_\_\_  
 MODEL NUMBER: **AR 150 X A , AR 150 X E , AR 150 X B**

## DRAWINGS



A - 82 11/16"  
 B - 78 5/8"  
 C - 62 1/2"  
 D - 103 5/8"  
 D - 61 1/2"

Model	Electrical System				
	Volts	Amps	Phase	Hz	NEMA
AR150XA	208	32	3	50-60	15-50P
	240				
AR150XE	208	32	3	50-60	15-50P
	240				
AR150XB	208	32	3	50-60	15-50P
	240				

## Capacity Chart

Recipe/Product	Pounds	Kilograms
Flour Capacity Minimum	16.5	7.5
Flour Capacity Maximum	330	150
50% AR Dough Minimum	24	11
50% AR Dough Maximum	440	200
55% AR Dough Minimum	24	11
55% AR Dough Maximum	485	220
60% AR Dough Minimum	26	12
60% AR Dough Maximum	529	240
65% AR Dough Minimum	26	12
65% AR Dough Maximum	551	250

### Calculating AR%

To know the absorption ratio of your recipe use the following formula:

$$\%AR = \text{Water Weight (lbs)} / \text{Flour Weight (lbs)}$$

1 Canadian Gallon of Water = 10lbs (4.54 kg)

1 US Gallon of Water = 8.33lbs (3.77kg)

Use of ice requires a 10% reduction in batch size.  
 Drop 10% from the above chart for high gluten flour.

Make sure to take into consideration all water content. This should include any extracts, butter/shortening, eggs, etc. into factoring AR%.

*For Example: Your using 1 US Gallon of water and 15lbs of flour = 0.55 or 55% AR*

*That means you will have a finished product of 23.3lbs of dough at 55% AR. Refer to this chart to find the model you will need.*

Doyon/NU-VU recommends the following capacity ratings on based AR%. If dough has a lower AR% we recommend decreasing the recipe to adjust for denser dough. Failure to follow said guidelines or recommendations could result in non-warranted service issues with mixer.

Please contact factory to verify if mixer is suitable for your application.

**Note** - Different Types of flour have different gluten content and are not universal between products.

**Note** - Eggs, Milk, Extracts, must be added to liquid when calculating AR%

Due to periodic changes in designs, methods, procedures, policies and regulations, the specifications contained in this sheet are subject to change without notice. While Doyon exercises good faith efforts to provide information that is accurate, we are not responsible for errors or omissions in information provided or conclusions reached as a result of using these specifications. By using the information provided, the user assumes all risks in connection with such use.

