



440 STANDARD

DESCRIPTION:

THIS MODEL OF ROLLER MILL PRODUCES WHEAT FLOUR "ALL-PURPOSE ~0.55% ASH" & WHEAT FLOUR "BREAD ~0.8% ASH" PROCESSING 440 LB. / 200 KG OF GRAIN PER HOUR.

~0.55% ASH FLOUR IS MEDIUM IN GLUTEN PROTEIN CONTENT AT 9.5-11.5% PROTEIN CONTENT. IT HAS ADEQUATE PROTEIN CONTENT FOR MANY BREAD AND PIZZA BASES, THOUGH ~0.8% ASH FLOUR IS OFTEN PREFERRED FOR THESE PURPOSES, RESPECTIVELY, ESPECIALLY BY ARTISAN BAKERS. SOME BISCUITS ARE ALSO COOKED USING THIS TYPE OF FLOUR. ~0.55% ASH FLOUR REFERS NOT ONLY TO MIDDLING GLUTEN CONTENT BUT ALSO TO ITS LACK OF ANY ADDED LEAVENING AGENT (AS IN SELF-RISING FLOUR). ~0.8% ASH FLOUR OR STRONG FLOUR IS HIGH IN GLUTEN PROTEIN, WITH 11.5-13.5% PROTEIN. THE INCREASED PROTEIN BINDS TO THE FLOUR TO ENTRAP CARBON DIOXIDE RELEASED BY THE YEAST FERMENTATION PROCESS, RESULTING IN A HIGHER RISE AND CHEWIER CRUST.

OUR MILL'S UNBLEACHED FLOUR (FRESHLY MILLED FLOUR IS YELLOWISH) MAINTAINS MORE GLUTEN-PRODUCING POTENTIAL. BETTER BAKING FLOUR EFFECT CAN BE ACHIEVED BY LETTING THE FLOUR OXIDIZE WITH OXYGEN IN THE AIR ("NATURAL AGING") FOR APPROXIMATELY 10 DAYS.

THIS MODEL IS DESIGNED FOR UP TO SEVEN HOURS OF PRODUCTION PER DAY, AND AN HOUR FOR COOL DOWN & CLEANING. THIS MILL, HAVING CAPABILITIES OF SEVERAL QUALITIES OF FLOURS, IS BEST SUITED FOR BAKERIES AND GRAIN PRODUCERS.

DURING OPERATION, THERE IS PRACTICALLY NO NEED FOR ADDITIONAL MACHINERY OR TOOLS, MOST PARTS CAN BE PURCHASED LOCALLY. GRINDING ROLLERS ARE HIGHLY WEAR-RESISTANT AND CAN WITHSTAND UP TO EIGHT ADDITIONAL RE-CORRUGATIONS.

SIMPLE SERVICING PROCEDURE REQUIRES ONE OPERATOR, USING THE OPERATIONS MANUAL AVAILABLE EITHER IN PRINT OR DIGITAL VERSION. PRODUCT CHANGE-OVER TIME TAKES ONLY 15 MINUTES.

SPECIALIZED BUILDINGS ARE NOT NECESSARY. EXISTING WAREHOUSE STYLE BUILDINGS WITH THE MILL INSTALLED ON A SINGLE FLOOR AND MINIMAL HEIGHT CLEARANCE IS A STANDARD FOR THIS MILL. THE MILL COMBINES MINIMAL ELECTRICAL CONSUMPTION AND EASY PORTABILITY WITH AN ELEGANT DESIGN.

FULL PRODUCTIVITY IS GUARANTEED, THE MILL PRODUCES HIGH-QUALITY FLOUR AT THE INDICATED RATES IMMEDIATELY UPON START-UP.

MAIN CHARACTERISTICS:

440 LB. / 200 KG PER HOUR, CAPACITY OF GRAIN INPUT
30 %, EXTRACTION OF FLOUR ~0.55% ASH
44 %, EXTRACTION OF FLOUR ~0.8% ASH
24 %, EXTRACTION OF BRAN
2 %, BY-PRODUCT
VIA MECHANICAL METHODS, AUTOMATIC CONVEYING
UP TO 5% BY WEIGHT OF GRAIN, CAPACITY OF WATER FOR DAMPING
80 DBA, NOISE LEVEL RATING
100 DB, VIBRATION ACCELERATION

SPECIFICATIONS:

8,9 FT / 2,7 M, LENGTH OVERALL
9,2 FT / 2,8 M, WIDTH OVERALL
11,5 FT / 3,5 M, HEIGHT OVERALL
3968 LB. / 1800 KG, WEIGHT
8,2 X 8,9 FT / 2,5 X 2,7 M, MIN DOCK DOOR OPENING (W X H)
3 PHASE 4 WIRE, WYE TYPE, ELECTRICAL SUPPLY
208/240/480/600 OR 380/400 V, VOLTAGE
208-245 V, SINGLE PHASE INPUT VOLTAGE (OPTION)
60 / 50 HZ, FREQUENCY
12 KW PER HOUR, POWER CONSUMPTION

CLEANING SECTION:

1 RECEIVING HOPPER
2 GRAIN DISK FEEDERS
3 GEAR REDUCERS
1 SIEVE CLEANER
1 INDENTED CYLINDER (FOR SEPARATES SHORT IMPURITIES)
1 INDENTED CYLINDER (FOR SEPARATES LONG IMPURITIES)
2 WASTE CONTAINERS
1 FILTER MESH
1 WATER TANK
1 WATER HEATER
1 WATER DISPENSER
1 DAMPENER
1 TEMPERING TANK

MILLING SECTION:

15 MAGNETIC SEPARATORS
1 GEAR REDUCER
3 ROLLER SETS
1 CYLINDRICAL REDUCER
5 TRANSPARENT SELF-SINKS
2 CENTRIFUGAL SIFTERS (TWO-SYSTEM)
1 CENTRIFUGAL SIFTER
7 COMPLETE SIEVES (WITH SPARE PARTS)
5 BAGGING PIPES
1 BAGGING SCREW CONVEYOR
1 DRIVE GUARD

TRANSPORTATION OF PRODUCTS:

6 SCREW CONVEYORS
1 SPOUTS

ELECTRICAL EQUIPMENT:

1 ELECTRIC PANEL
1 ELECTRICAL WIRING CONDUIT
1 STOP BUTTON
1 ALARM SIGNAL
12 ELECTRIC MOTORS DRIVES

ANTICORROSION COATING:

GALVANIC
POLYMER

MANUAL:

PRINT VERSION
DIGITAL VERSION
VIDEO VERSION