



## Known For Relfability For Over 89 Years

The Biro HHP (Heavy Horse Power) Meat Grinders are a series of manual feed grinders with a range of bowl sizes and motor sizes that can be tailored to meet your grinding needs. With bowl sizes of 48. 52, or 56 and motor sizes of 5, 7.5, 10, or 15 hp (4, 5.5, 7.5, or 11 kW), we can provide a grinder that is just right for your operation. All of the HHP series grinders feature single reduction chain drive transmissions for maximum efficiency, and all the grinders use tapered roller bearings for low maintenance and long life. The HHP grinders have output capacities ranging from 1500 lbs. (680 kg) per hour to 7500 lbs. (3400 kg) so you can pick the model that fits best. All across the board, the Biro HHP series of Manual Feed Meat Grinders works harder so you don't have to.



## Stands alone for quality and value since 1921

## **SPECIFICATIONS**

MODEL	548SS, 552SS, 7548SS, 7552SS, 1056SS,		BOWL	HP	КW	VOLTS	<u>م</u>	MPS	CYCLE	БН
	1556SS GRINDERS (CHOPPER/MINCER).		48/52	5	3.7	208-220/440		7-16/8	60	3
CONSTRUCTION	STAINLESS STEEL FEED PAN AND POLISHED STAINLESS S	TEEL	48/52	5	3.7	208-230		9-27	60	1
concriticonion	CASE, CAST IRON HOT TIN DIPPED BOWL, RING AND AUG		48/52	5	3.7	550-575		6.4-6	60	3
	CASE, CAST INON HOT TIN DIFFED BOWL, NING AND AUG	En.	48/52	5	3.7	220/380-415		2/11-10	50	3
FEED PANS			48/52	7.5	5.6	208-220/440	_	-22/11	60	3
ALL MODELS:	FOR 5, 7.5, 10, AND 15 HP UNITS – LEFT-HAND STAINLESS		48/52 48/52	7.5 7.5	5.6 5.6	550-575 220		. <u>8-8.4</u> 26.4	60 50	3
	STEEL, HIGH BACK FEED TRAY IS STANDARD.		48/52	7.5	5.6	380-415		5.3-14	50	3
	RIGHT-HAND STAINLESS STEEL HIGH BACK FEED TRAYS		56	10	7.5	208-220/440	27-2	5.6/12.8	60	3
	AVAILABLE ON REQUEST.		56	10	7.5	550-575		0-9.6	60	3
CAPACITY FEED PAN	5 & 7.5 HP APPROXIMATELY 100 LBS. (45 KGS.)		56	10	7.5	220/380-415		<u>17.8-16.3</u> 39/19.5	50	3
	10 & 15 HP APPROXIMATELY 115 LBS. (52 KGS.)		56 56	15 15	11.2 11.2	208-220/440 550-575		.6-14.9	60 60	3
			56	15		220/380-415		/27-24.8	50	3
GRINDING CAPACITY	548 & 7548 - 55 LBS. (25 KG) PER MINUTE (1 <sup>st</sup> GRIND)					ORS ALSO AVA			80-415-50	-3 (N
(APPROXIMATE)	& 33 LBS. (15 KG) PER MINUTE (2 <sup>№</sup> GRIND).				D 42	2 BOWL ACCEF	TS SIZ	ZE 32 PLA	TES AND	KNI
	552 & 7552 - 70 LBS. (32 KG) PER MINUTE (1 <sup>st</sup> GRIND)		STD=ST EC=EXT NC=NO	RA CO	ST 48	2 BOWL ACCEP 3 BOWL ACCEP 2 BOWL ACCEP 6 BOWL ACCEP	TS SIZ	ZE 32 PLA ZE 52 PLA	TES AND	KNIV
	& 40 LBS. (18 KG) PER MINUTE (2 <sup>№</sup> GRIND).		110-110	011/11/0	56	BOWL ACCER	PTS SIZ	ZE 56 PLA	TES AND	KNIV
	1056 & 1556 - 125 LBS. (57 KG) PER MINUTE (1 <sup>st</sup> GRIND)									
	& 80 LBS. (36 KG) PER MINUTE (2 <sup>№</sup> GRIND).					548		55	2	
SWITCH	WATERTIGHT MAGNETIC TYPE WITH THERMAL	INCH [		SION (	(MM)	7548		75	-	
	OVERLOAD AND UNDER VOLTAGE PROTECTION.	-	Α		· /	29 (73		29 (7	737)	29
POWER CORD	AVAILABLE OPTION AT EXTRA COST.		В			52 (132	21)	52 (Ì	321)	52
			С			85/8 (21	9)	85/8 (	219)	85
DRIVE SYSTEM	SILENT (10-15 HP) OR ROLLER LINK (5, 7.5 HP)		C1			4 <sup>1</sup> /4 (10		4 <sup>1</sup> /4 (	108)	4 <sup>1</sup>
	CHAIN DRIVE OVER WIDE FACE SPROCKETS		D			271/4 (6		271/4	` '	32
	INSURING MAXIMUM POWER TRANSFER FROM		E			23/4 (7	· ·	<b>2</b> <sup>3</sup> / <sub>4</sub>	` '	2
	MOTOR TO AUGER.		F			30 <sup>1</sup> /4 (7		301/4	· /	33
BEARINGS	DEEP TAPERED ROLLER THRUST BEARINGS		G			1815/16 (4	· · ·	1815/16	· /	22
	CARRY ALL RADIAL AND THRUST LOADS FROM		Н			11 (27	· ·	11 (2		12
	AUGER ELIMINATING FRICTION.		1			4 <sup>1</sup> / <sub>4</sub> (10		41/4 (	'	41 16
			K			12 ¾ (3 14½ (3		11 <sup>3</sup> /4 14 <sup>1</sup> /2	` '	10
SAFETY	MAGNETIC SAFETY INTERLOCK SO MACHINE WILL					81/4 (21		8 <sup>1</sup> /4 (		3
	NOT OPERATE WHEN FEED PAN WITH		M			5 (127	· ·	5 (1		2
	WELDED BOWL GUARD IS REMOVED.		N			171/2 (4	· ·	17 <sup>1</sup> /4		2
STANDARD FEATURES	ALUMINUM LEGS (SEE SCHEMATIC), SPURT		0			423/4 (10		423/4 (	` '	423
	GUARD, STOMPER, RING WRENCH, BOWL GUARD		P			2 <sup>1</sup> /2 (6		2 <sup>1</sup> /2		3
	ON FEED PAN, OPERATING AND SAFETY MANUAL.		ÓA			55 (139	· ·	55 (1	· /	58 <sup>3</sup>
		APPROX	. WT. # F	ACKE	D (KG)	510 (23	32)	520 (	236)	70
OPTIONS (EC)	SIZE 32 KNIFE AND PLATE, LONGER LEGS	APPROX.	NT # UN	IPACK	ED (KG	) 430 (19	95)	440 (	200)	62
	ALUMINUM OR STEEL WITH CROSS BRACING,	L								
	VARIOUS MOTORS (SEE CHART), SOLID STOMPER, CONNE	ECTIONS	FOR N	<b>1IXE</b>	R-GRI	NDER SYS	STEN	IS, RIG	HT HA	ND.

## MOTORS

BOWL	HP	KW	VOLTS	AMPS	CYCLE	PH	STATUS
48/52	5	3.7	208-220/440	17-16/8	60	3	STD
48/52	5	3.7	208-230	29-27	60	1	EC
48/52	5	3.7	550-575	6.4-6	60	3	EC
48/52	5	3.7	220/380-415	19.2/11-10	50	3	NC
48/52	7.5	5.6	208-220/440	23-22/11	60	3	STD
48/52	7.5	5.6	550-575	8.8-8.4	60	3	EC
48/52	7.5	5.6	220	26.4	50	3	EC
48/52	7.5	5.6	380-415	15.3-14	50	3	NC
56	10	7.5	208-220/440	27-25.6/12.8	60	3	STD
56	10	7.5	550-575	10-9.6	60	3	EC
56	10	7.5	220/380-415	30.7/17.8-16.3	50	3	NC
56	15	11.2	208-220/440	41-39/19.5	60	3	STD
56	15	11.2	550-575	15.6-14.9	60	3	EC
56	15	11.2	220/380-415	46.8/27-24.8	50	3	NC

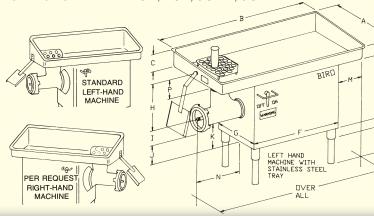
ABOVE 3 PHASE MOTORS ALSO AVAILABLE IN 220/380-415-50-3 (NC)						
STD=STANDARD	42 BOWL ACCEPTS SIZE 32 PLATES AND KNIVES - EC					
EC=EXTRA COST	48 BOWL ACCEPTS SIZE 32 PLATES AND KNIVES - EC					
NC=NO CHARGE	52 BOWL ACCEPTS SIZE 52 PLATES AND KNIVES - EC					

RGE				KNIVES	

	548	552	1056
INCH DIMENSION (MM)	7548	7552	1556
A	29 (737)	29 (737)	29 (737)
В	52 (1321)	52 (1321)	52 (1321)
С	85/8 (219)	85/8 (219)	85/8 (219)
C <sup>1</sup>	4 <sup>1</sup> / <sub>4</sub> (108)	41/4 (108)	41/4 (108)
D	271/4 (692)	271/4 (692)	321/4 (832)
E	23/4 (70)	23/4 (70)	23/4 (70)
F	301/4 (768)	301/4 (768)	331/4 (845)
G	1815/16 (481)	1815/16 (481)	221/2 (571)
н	11 (279)	11 (279)	121/8 (308)
1	41/4 (108)	41/4 (108)	41/2 (114)
J	12 3/8 (314)	113/4 (298)	16 <sup>1</sup> /4 (413)
К	14 <sup>1</sup> /2 (368)	14 <sup>1</sup> /2 (368)	173/4 (451)
L	81/4 (210)	81/4 (210)	31/4 (83)
M	5 (127)	5 (127)	21/2 (63)
N	171/2 (444)	171/4 (438)	21 (533)
0	423/4 (1086)	423/4 (1086)	423/4 (1086)
Р	21/2 (63)	21/2 (63)	31/2 (89)
OA	55 (1397)	55 (1397)	583/4 (1492)
APPROX. WT. # PACKED (KG)	510 (232)	520 (236)	705 (320)
APPROX. WT # UNPACKED (KG)	430 (195)	440 (200)	621 (282)

CERTIFICATION

U.L., N.S.F., U.S.D.A., C.S.A.





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