



"Makin' the Hard Jobs Easy"

# COMBI

## COMBI Range

Combined electric bender & shears

Specially recommended for rebar production in small - medium housing or infrastructure projects with rebar sizes of up to  $\varnothing 36\text{mm}$  /  $1\frac{3}{8}$ " (#11) for cutting and  $\varnothing 52\text{mm}$  /  $2$ " for bending, such as small resorts, condominiums, villas, low height apartment buildings, etc. A multi-purpose machine which also allows production of stirrups, spirals and hoops with its optional accessories.

The **COMBI** range is an ideal solution for small to medium rebar contractors and manufacturers, providing full working autonomy in any rebar work, and at a very low cost.

One machine, a single investment to do all rebar jobs with a medium production: bending, cutting, stirrups and spirals / hoops.



COMBI 30 - 36



### The most complete package.

- **COMBI** machines have the same production and bending capacities as our **DEL** range benders.
- They are also featured with the same electrical and mechanical safety devices as **DEL** machines and its electric components are of worldwide known top quality suppliers as Schneider-Electric.
- Cast-iron shear body and gearbox case to ensure heavy duty performance and endurance with the lowest maintenance. Oil bath, trapezoidal and helicoidal gears.
- Safety shield with limit switch on shear body and bending table.
- Easy low-cost maintenance can be even performed on site by the machine operator.
- Single-phase 220V version with inverter technology available for model **COMBI 25/32**. The inverter stabilizes the electric supply so it makes the motor life longer. Two speeds motor available upon request on models **COMBI 25/32** and **COMBI 30/36**.

### FEATURES AND BENEFITS OF THE DEL AND COMBI RANGE



New easy and quick belts tightening system.



Protection shield for control panel.



Inverter equipped (Single-phase).  
Reduced noise operation.



Safety foot pedal control.



Pins with new anti stick lubrication system. Bolt for extracting pins (optional).



Stirrup device for max. rebar  $\varnothing 14\text{mm}$  /  $5/8$ " - #5 (optional).



Large diameter rebars bending kit (optional).



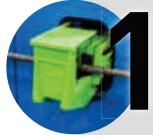
Spirals / hoops bending accessory (optional).



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## 4-IN-1 MACHINE:



1 Cutting, thanks to its shear jaw simultaneously operated with the bending plate.



2 Bending, operated as our DEL range rebar benders.



3 Stirrups production using the optional stirrups accessory.



4 Production of spirals, rings and arches using the optional Spirals Bending accessory



## Cutting / Bending capacity

Yield strength / Grade	Re=N / mm <sup>2</sup> 250 / G-40						Re=N / mm <sup>2</sup> 480 / G-60						Re=N / mm <sup>2</sup> 650 / G-75											
Tensile strength	Rm=N / mm <sup>2</sup> 450						Rm=N / mm <sup>2</sup> 650						Rm=N / mm <sup>2</sup> 850											
No. x	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3						
	Millimeters																							
COMBI 25 / 32	Ø25	Ø18	Ø12	Ø32	Ø24	Ø18	Ø20	Ø16	Ø10	Ø25	Ø20	Ø16	Ø20	Ø14	Ø8	Ø25	Ø18	Ø14						
COMBI 30 / 36	Ø30	Ø20	Ø16	Ø36	Ø26	Ø22	Ø25	Ø18	Ø14	Ø32	Ø24	Ø18	Ø25	Ø16	Ø12	Ø32	Ø22	Ø16						
COMBI 36 / 52	Ø36	Ø26	Ø22	Ø52	Ø36	Ø30	Ø32	Ø20	Ø16	Ø46	Ø34	Ø25	Ø32	Ø18	Ø16	Ø42	Ø32	Ø25						
	In / #																							
COMBI 25 / 32	1" / 8	3/4" / 6	1/2" / 4	1-1/4" / 10	1" / 8	3/4" / 6	7/8" / 7	5/8" / 5	3/8" / 3	1-1/8" / 9	7/8" / 7	5/8" / 5	7/8" / 7	1/2" / 4	3/8" / 3	1-1/8" / 9	3/4" / 6	1/2" / 4						
COMBI 30 / 36	1-1/8" / 9	7/8" / 7	5/8" / 5	1-3/8" / 11	1-1/8" / 9	7/8" / 7	1" / 8	3/4" / 6	1/2" / 4	1-1/4" / 10	1" / 8	3/4" / 6	1" / 8	5/8" / 5	1/2" / 4	1-1/4" / 10	7/8" / 7	5/8" / 5						
COMBI 36 / 52	1-3/8" / 11	1" / 8	7/8" / 7	2"	1-3/8" / 11	1-1/8" / 9	1-1/4" / 10	7/8" / 7	5/8" / 5	1-7/8"	1-3/8" / 11	1-1/8" / 9	1-1/4" / 10	3/4" / 6	5/8" / 5	1-3/4" / 14	1-1/4" / 10	1-1/8" / 9						

\*For models COMBI with 2 speeds motor, please check bending capacities with your sales representative.

## Accessories included

Ø mm / in		Ø48 / 1,89"	Ø60 / 2,36"	Ø100 / 3,93"	Ø140 / 5,51"	Ø160 / 6,30"	Ø200 / 7,87"	
COMBI 25 - 32	1	4	4	1	1			1 1 1 2
COMBI 30 - 36	1	4	4	1	1	1		1 1 1 2
COMBI 36 - 52	1	4	4	1	1	1		1 1 1 2



Item code	COMBI 25 - 32				COMBI 30 - 36			COMBI 36 - 52		
	1- PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	3 - PHASE	
20351504	20351500	20351502	20351501	20352000	20352002	20352001	20353000	20353002	20353001	
Motor voltage (V)	230	230 / 400	230 / 400	230	230 / 400	230 / 400	230	230 / 400	230 / 400	
Frequency (Hz) / In (pins)	50 - 60 / 3P	50 / 4P	50 / 5P	60 / 4P	50 / 4P	50 / 5P	60 / 4P	50 / 4P	50 / 5P	60 / 4P
Kw (Hp)		2,2 (3)				3 (4)			3 (4)	
Cycles / minute (bend - cut / return)		11				10			6	
Oil capacity (L / Gal.)		5,1 / 1,34				10 / 2,64			15 / 3,96	
Net weight (Kg. / Lbs.)		386 / 850,98				435 / 959,01			721 / 1589,53	
Packaging dimensions L x W x H (mm / in)		950 x 1080 x 1050 / 37,40" x 42,52" x 41,33"			950 x 1080 x 1050 / 37,40" x 42,52" x 41,33"			1080 x 1290 x 1190 / 42,52" x 50,78" x 46,85"		