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SUBJECT	<b>POWERCUTTERS</b>

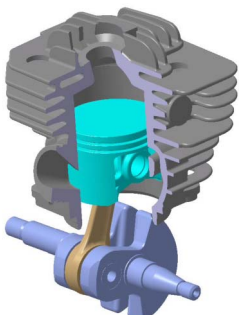

## NEW POWERCUTTERS 963 TT-A 983 TT-A

### Mod. 963 TT-A



### Mod. 983 TT-A



New engine EPA II	Optional floor trolley "TT-C"
	 <p>Cod. 52039002</p>

**DESCRIPTION:** The Oleo-Mac powercutter range has been renewed with the introduction of two new engines 963 TT-A (63.3 cm<sup>3</sup>) and 983 TT-A (80.7 cm<sup>3</sup>) which substitute the preceding models 962 TT-A and 980 TT-A. Powerful tools designed for professional use in the construction, demolition and road maintenance industries for cutting various materials including cement, asphalt and metals, the features of the unit all orientated to a secure and efficient tool in all conditions.

Reliability and performance over a long working life with the introduction of the new low emission engines, a new starter group with an anti-dust seal and a innovative filtering system which guarantees long engine life during extreme hard and dusty environments.

A new digital coil gives much better starting and eliminates the problems with starting "kick-back", better engine power with spark advance and with electronic governed max rpm.

The electronic governor safeguards the operator from blade breakage risks.

The units are fitted with de-compressors and the carburettor has compensating technology which extends the working times between maintenance and down time.

The ergonomic design and easy access to all the controls add to operator comfort.

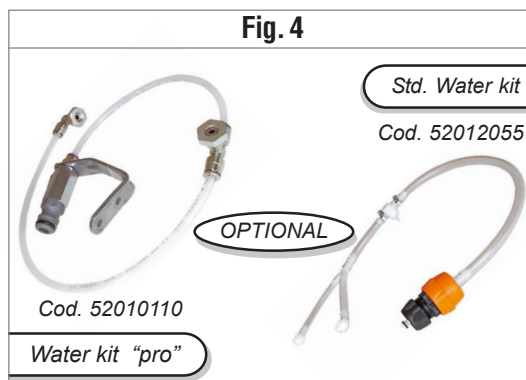
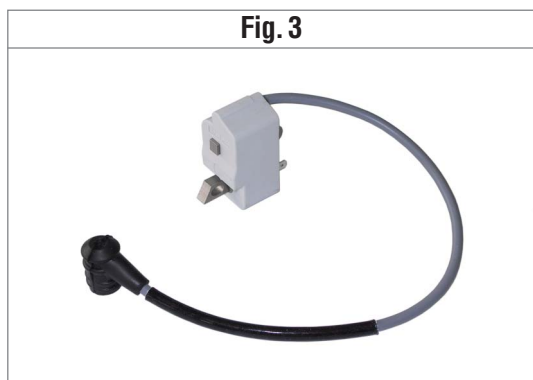
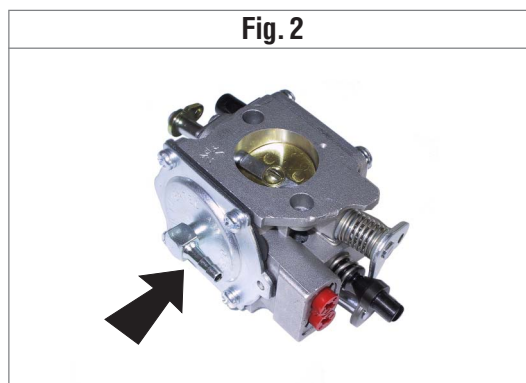
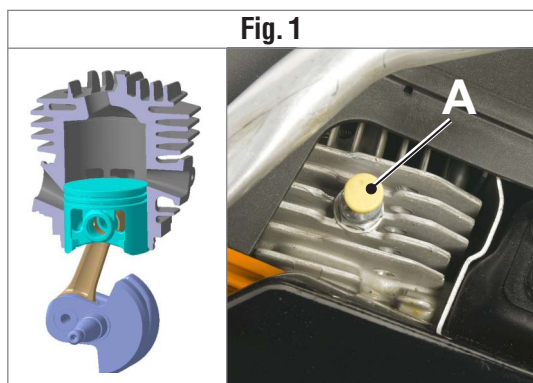
## - ADVANTAGES -

### - 1 - PERFORMANCE AND TECHNICAL SOLUTION

- Very powerful engine with excellent torque levels all through the power band.
- **New 4 transfer port cylinder** with a redesigned combustion chamber and optimised inlet and outlet ports for higher performance and longer engine life (fig.1).
- **Digital electronic ignition**: easy starting, better engine performance due to the automatic spark advancing and maximum rpm governing.
- Lower fuel consumption to respect the new EPA II emissions (exhaust) increase fuel economy and working autonomy.
- Long life engines.
- **De-compressors** ("A" fig.1) lower compression during start up for operator comfort and starter group stress reduction.

### - 2 - EASE OF USE

- Easy maintenance.
- The units are fitted with **compensators** (fig.2) which avoid the richening of the engine when the air filters become clogged. This technology maintains the correct air to fuel ratio which avoids manual carburettor adjustment.
- The new digital coil has an **electric governor** which cuts out the spark at 10.000 rpm (fig.3) for operator over-speeding safety.
- Starter rope is silicone treated for extended life.
- The units are set-up ready for the water kit (optional - fig.4), which helps reduce greatly the dust created during cutting, two versions available.



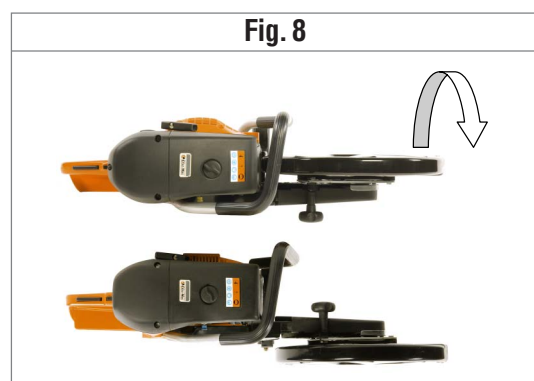
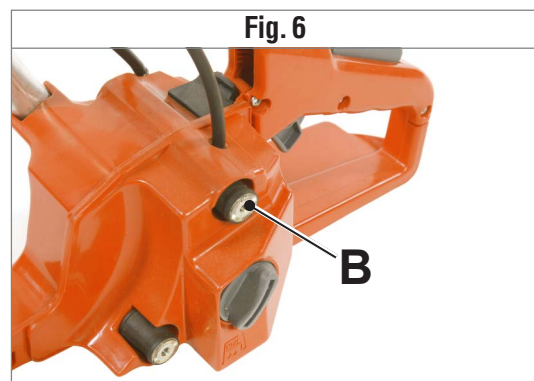
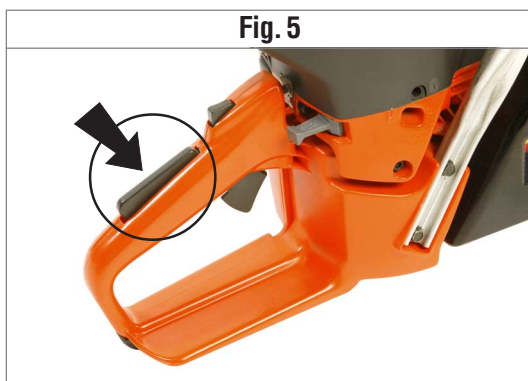
## - ADVANTAGES -

### - 3 - SAFETY

- The rear handle with **safety palm lever** (fig.5) to avoid accidental acceleration.
- Handle and fuel tank separated from the engine (fig.6) keeps vibration down and the fuel cooler.

### - 4 - COMFORT

- The handles are fitted with 6 antivibration points ("B" fig.6) which protect the operator but also maintain good handling for precision cutting.
- Large filtering surfaces decrease down time during maintenance periods. The oiled filter ("C" fig.7), paper element filter ("D" fig.7) and safety filter ("E" fig.7) give total protection to the engine.
- The units are supplied with wheels for easier working position and cutting control.
- Large fuel tanks (0.70 lt 963TT-A, 0.88 lt 983TT-A) better working times between fill-ups.
- The cutter arm can be reversed for an out board cut (180° for cutting near walls - fig.8), the blade guard is in aluminium to keep weight low.
- The starter group is sealed against dust and slurry ingestion for all common working conditions and greatly extends working life.



## - TECHNICAL SPECIFICATIONS -

MODEL		963TT-A 12"	963TT-A 14"	983TT-A 12"	983TT-A 14"	983TT-A 16"
<b>ENGINE</b>						
TYPE		Emak 2-stroke				
DISPLACEMENT	cm <sup>3</sup>	63,3		80,7		
BORE	mm	48		52		
STROKE	mm	35		38		
MINIMUM CUTTING SPEED	min <sup>-1</sup>	2500-3000				
MAX IDLING SPEED	min <sup>-1</sup>	10000±100				
POWER	HP/kW (min <sup>-1</sup> )	4,1 / 3 (9500)		5,1 / 3,7 (9500)		
MAX TORQUE	Nm (min <sup>-1</sup> )	3 (6000)		4,8 (6000)		
SPECIFIC FUEL CONSUMPTION	gr/HP h (min <sup>-1</sup> )	365 (9500)		340 (9500)		
FUEL CONSUMPTION	gr/h (min <sup>-1</sup> )	1500 (9500)		1750 (9500)		
<b>IGNITION SYSTEM</b>						
TYPE		CDI Digital				
SPARK PLUG		Champion RCJ-7Y – NGK BPR6A				
<b>FUEL SYSTEM</b>						
CARBURETTOR		Walbro HDA 225		Walbro WJ 104		
FUEL		Mix 4% (25:1) - with Oleo-Mac <b>PROSINT</b> 2% (50:1) oil				
FUEL TANK CAPACITY	l	0,70		0,88		
DECOMPRESSION VALVE		Yes				
AIR FILTER	n°	3				
<b>SOUND PRESSURE</b> (LpA eq - EN 1454 - EN ISO 11201)	dB (A)	101		102		
<b>SOUND POWER</b> (LwA eq - EN 1454 - EN ISO3744)	dB (A)	109		111		
<b>VIBRATIONS, FRONT HANDLE</b> (EN 1454 - EN 28662-1)	(m/s <sup>2</sup> )	9,5 at idle 9,2 racing	9,5 at idle 9,2 racing	10,1 at idle 11,0 racing	10,1 at idle 11,0 racing	8,9 at idle 10,9 racing
<b>VIBRATIONS, REAR HANDLE</b> (EN 1454 - EN 28662-1)	(m/s <sup>2</sup> )	11,4 at idle 10,9 racing	11,4 at idle 10,9 racing	12,0 at idle 11,7 racing	12,0 at idle 11,7 racing	4,9 at idle 11,5 racing
<b>ANTI-VIBRATION MOUNTS</b>		6 - Rubber				
<b>DIMENSIONS</b>	mm	740 x 210 x 400	770 x 210 x 400	770 x 220 x 400	800 x 220 x 400	870 x 220 x 440
<b>WEIGHT WITHOUT DISC</b>	kg	10,2 (with blade guard 12")	10,4 (with blade guard 14")	11,2 (with blade guard 12")	11,4 (with blade guard 14")	13,6 (with blade guard 16")
<b>ARBOR SIZE</b>	mm	15				
<b>POWER-TO-WEIGHT RATIO</b>	kg/kW	3,4 (with disc 12")	3,5 (with disc 14")	3 (with disc 12")	3,1 (with disc 14")	3,7 (with disc 16")
<b>ADVISE CUTTING DISC</b>	mm (in.)	300 (12") 80 m/s 300 (12") 100 m/s	350 (14") 100 m/s	300 (12") 80 m/s 300 (12") 100 m/s	350 (14") 100 m/s	400 (16") 100 m/s
<b>MAX SPINDLE SPEED</b>	giri/min	5100				4700
<b>CUTTING ARM</b>		Reversible				
<b>MAX CUTTING DEPTH</b>	mm (in.)	100 (4")	125 (5")	100 (4")	125 (5")	140 (6")