

**Oil-Xtra series employs a work-safety design to prevent health problems.**



**Compliant with CE machine safety directives**

The production specifications of Oil-Xtra series are compliant with EN792. Vibration and noise level are also presented in accordance with EN / ISO standards.

ISO 8662-1, 28927-2 Hand-held portable power tools - Test methods for evaluation of vibration emission -  
ISO 15744 Hand-held non-electric power tools - Noise measurement code -

**About noise**

**Standards for noise measurement**

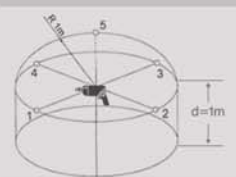
- ISO 15744 Hand-held non-electric power tools - Noise measurement code -
- JIS Z 8733 Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering method in an essentially free field over a reflecting plane

**How the noise level is represented**

- Terms used to describe loudness Sound pressure is represented in the measuring unit of dB (decibel).
- A-weighting A-weighted sound measurement accounts for the fact that human hearing sensitivity depends on sound frequency.

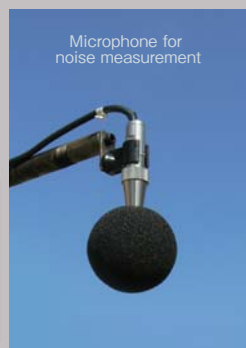
**LpA** A-weighted sound pressure level (hourly average)

Sound pressure emitted from the noise source is measured over a certain period of time and the average value is calculated. Measurement was made at five positions in the distance of 1m.



**LwA** A-weighted sound power level

Sound power emitted from the noise source is measured. Although sound pressure level are affected by various conditions, A-weighted sound power levels can be regarded as the standard.



**Guidelines established for the prevention of noise-related disorders**

<http://www.mhlw.go.jp/new-info/kobetu/roudou/gyousei/anzen/040324-9.html>

**About vibration**

**Standards for vibration measurement**

- ISO 8662-1 Hand-held portable power tools - Measurement of vibrations at the handle Part 1: General
- ISO 28927-2 Hand-held portable power tools - Test methods for evaluation of vibration emission Part 2: Wrenches, nutrunners and screwdrivers
- JIS B7762-1 Hand-held portable power tools - Measurement of vibrations at the handle - Part 1: General
- JIS B7762-7 Hand-held portable power tools - Measurement of vibrations at the handle Part 7: Wrenches, screwdrivers and nutrunners



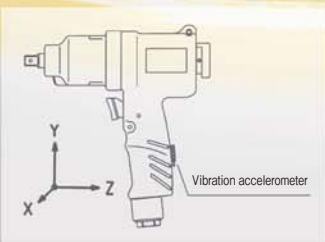
**How the vibration level is represented**

- Combination of frequency-weighted RMS acceleration values measured in three vibration directions This figure is required to estimate "vibration exposure time A(8)," which is necessary for the management of vibration tool operation.

- ① Vibration acceleration level is measured at the gripping zone simultaneously in the three directions (X-Y-Z) with a hand-arm vibration meter in accordance with the standards for each type of vibration tools.
- ② Then, the measured values are adjusted as the effect on human hand / arm varies by vibration frequency.
- ③ And these adjusted values are combined to represent "vibration level."

$$a = \sqrt{a_x^2 + a_y^2 + a_z^2}$$

$a_x, a_y, a_z$  represent the frequency-weighted RMS acceleration values of X-, Y-, Z-axis respectively.



**For prevention of vibration syndrome**

<http://www.mhlw.go.jp/new-info/kobetu/roudou/gyousei/anzen/090820-2.html>

Due to product improvements, the above specifications and measurements are subject to change without notice.

Manufactured by  
**VESSEL CO., INC.**

17-25, Fukae-Kita 2-chome,  
Higashinari-ku, Osaka 537-0001 Japan  
Tel : +81 6 6976 7778 Fax : +81 6 6972 9441  
E-mail : [export@vessel.co.jp](mailto:export@vessel.co.jp)  
URL : <http://www.vessel.jp>

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**New Japan quality**



Light, smooth and easy to use.

**VESSEL Oil-Xtra series**

**Air screwdrivers / Air impact wrenches**

<http://www.vessel.co.jp/airtools/info/oilxtra/>

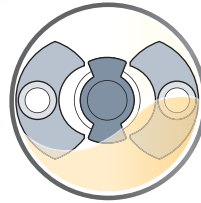
**MADE IN JAPAN**

# Reduces annoying noise at a construction site!



## Self-lubrication mechanism

VESSEL Oil-Xtra series adopts an oil-lubrication mechanism, which softens the hammering noise inseparable from the air tools. Its hammers and anvils would not be burned so that the durability has been dramatically improved. Novel environmentally-friendly model with low-noise / low-vibration spec.



## Braking effect

Oil-lubrication mechanism quickly stops unnecessary inertial rotation when trigger is released. Therefore, this series is ideal for repetitive tasks required at recycling factories, etc.



## Powerful air motor

Our air rotors are finished with high precision to secure smooth rotation. High power output is guaranteed by minimizing the power loss from clearance between parts.



## Ergonomic grip

Its handle is designed to be slim and easy to hold. Even a long period of use does not stress user's wrist as the position of the gravity center is made close to the grip.

## Cushion grip

Absorbs vibration and gentle on the operator's hand.

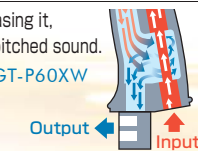
No.GT-P6LXD / No.GT-P6EXD



## Exhaust bypass system

By bypassing the output air before releasing it, Oil-Xtra series reduces noise and high-pitched sound.

No.GT-P6EXD / No.GT-P60XD / No.GT-P60XW



## Silencer

All Oil-Xtra models adopt 360-degree free-turn silencer.

## Standard screw: M4.0~5.0mm

### No.GT-PLXD

6.35 Bit-sleeve type

With silencer

Accessories  
Double-end bit: A14 Φ2 x 65G / Air coupling: BPN-2F /  
Lubrication oil for rotating mechanism, ISO VG-10 /  
Lubrication oil for impact mechanism, ISO VG-32



About 20% Lightened

### No.GT-S4.5XD

6.35 Bit-sleeve type

With silencer

Accessories  
Double-end bit: A14 Φ2 x 65G / Air coupling: BPN-2F /  
Lubrication oil for rotating mechanism, ISO VG-10 /  
Lubrication oil for impact mechanism, ISO VG-32



### No.GT-P4.5XD

6.35 Bit-sleeve type

With silencer / Rear exhaust

Accessories  
Double-end bit: A14 Φ2 x 65G / Air coupling: BPN-2F /  
Lubrication oil for rotating mechanism, ISO VG-10 /  
Lubrication oil for impact mechanism, ISO VG-32



## Standard screw: M5.0~6.0mm

### No.GT-S6LXD

6.35 Bit-sleeve type

With silencer

Accessories  
Double-end bit: A14 Φ2 x 65G / Air coupling: BPN-2F /  
Lubrication oil for rotating mechanism, ISO VG-10 /  
Lubrication oil for impact mechanism, ISO VG-32



NEW

### No.GT-P6LXD

6.35 Bit-sleeve type

With silencer / Rear exhaust

Accessories  
Double-end bit: A14 Φ2 x 65G / Air coupling: BPN-2F /  
Lubrication oil for rotating mechanism, ISO VG-10 /  
Lubrication oil for impact mechanism, ISO VG-32



NEW

### No.GT-P6EXD

6.35 Bit-sleeve type

With silencer / Rear exhaust

Accessories  
Double-end bit: A14 Φ2 x 65G / Air coupling: BPN-2F /  
Lubrication oil for rotating mechanism, ISO VG-10 /  
Lubrication oil for impact mechanism, ISO VG-32



## Standard screw: M6.0~8.0mm

About 20% Lightened

### No.GT-P60XD

6.35 Bit-sleeve type

With silencer / Rear exhaust

Accessories  
Double-end bit: A14 Φ2, Φ3 x 65E /  
Air coupling: BPN-2 /  
Lubrication oil for rotating mechanism, ISO VG-10 /  
Lubrication oil for impact mechanism, ISO VG-32



## Standard bolt: M6.0~8.0mm

About 20% Lightened

### No.GT-P60XW

With silencer / Rear exhaust

9.5 Pin-lock type

Accessories  
Air coupling: BPN-2 /  
Lubrication oil for rotating mechanism, ISO VG-10 /  
Lubrication oil for impact mechanism, ISO VG-32



## Air Screwdrivers

EDP#	Model	Capacity screw diam.(mm)		Noise (dB)		Vibration (m/s <sup>2</sup> )	Free speed (rpm)	Air consumption (m <sup>3</sup> /min)	Air hose coupling	Overall length (mm)	Weight (g)
		Tapping screw	Wood screw	LpA	LwA						
311113	GT-PLXD	3.5~4.0	2.7~3.5	86.1	97.1	20.26	11,500	0.35	G 1/4	198.5	670
311085	GT-S4.5XD	3.5~4.0	2.7~3.5	47.3	58.3	9.63	14,500	0.2	G 1/4	188	585
311089	GT-P4.5XD	3.5~4.0	2.7~3.5	80.2	91.2	6.64	14,000	0.2	Rc 1/4	170	735
311115	GT-S6LXD	4.0~4.5	3.6~4.1	86.2	97.2	12.47	12,000	0.4	G 1/4	212	815
311116	GT-P6LXD	4.0~4.5	3.6~4.1	85.0	96.0	4.52	12,500	0.45	Rc 1/4	184	876
311150	GT-P6EXD	4.0~4.5	3.6~4.8	80.3	91.3	4.71	9,300	0.55	Rc 1/4	155	1,085

\* Air pressure: 0.6MPa \* Air hose inner diameter: 6.35mm \* Overall length & weight do not include accessories. \* Driving capacity is to be used as a rough guide and varies by usage environment and other conditions.

## Air screwdriver

EDP#	Model	Capacity screw diam.(mm)		Noise (dB)		Vibration (m/s <sup>2</sup> )	Free speed (rpm)	Air consumption (m <sup>3</sup> /min)	Air hose coupling	Overall length (mm)	Weight (g)
		Tapping screw	Wood screw	LpA	LwA						
324021	GT-P60XD	4.0~5.0	3.8~4.5	90.4	101.4	8.69	7,500	0.38	Rc 1/4	176	1,130

\* Air pressure: 0.6MPa \* Air hose inner diameter: 6.35mm \* Overall length & weight do not include accessories. \* Driving capacity is to be used as a rough guide and varies by usage environment and other conditions.

## Air impact wrench

EDP#	Model	Torque range (N·m)	Capacity screw diam.(mm)		Noise (dB)		Vibration (m/s <sup>2</sup> )	Free speed (rpm)	Air consumption (m <sup>3</sup> /min)	Air hose coupling	Overall length (mm)	Weight (g)
			Standard bolt diam.	Standard screw	LpA	LwA						
324020	GT-P60XW	49.0~108.0	6.0~8.0	6.0~8.0	84.5	95.5	8.95	7,500	0.38	Rc 1/4	169.4	1,100

\* Air pressure: 0.6MPa \* Air hose inner diameter: 6.35mm \* Overall length & weight do not include accessories. \* Driving capacity & torque range are to be used as a rough guide and vary depending on usage environment and other conditions.