

GENSETS – POWERFULL canopy series



Illustrative photo – Cover version



Illustrative photo – Silent version



Illustrative photo – Super Silent version



Illustrative photo – variability of Silent version and Super Silent version

Description

POWERFULL canopy series of ONIS VISA genset includes power from 30 to 840 kVA P.R.P. (prime power) for possible usage as a primary power source or back-up power supply. It is a covered version of a genset which can be placed to either an internal or external environment. The usage of this version can be fixed as well as mobile. POWERFULL canopy series is divided into Cover version, Silent and Super Silent version.

Cover version of POWERFULL series genset is derived from M version without a cover. Reduction of noise, using the cover, is approximately 8 dB(A). Under standard conditions, the Cover version is delivered together with industrial exhaust gas muffler, which helps the reduction of noise of approximately 15dB(A).

Silent version of POWERFULL series genset is derived from Cover version – it has been made by adding an inlet muffler and exhaust muffler. It is possible to turn these mufflers to 0°, 90° and 180° position. Reduction of noise achieved by adding the cover is approximately 15 dB(A). Silent version is, under standard conditions, delivered together with exhaust gas muffler, by the help of which the reduction of noise is approximately 20 dB(A).

Super Silent version of POWERFULL series genset is derived from covered Cover version – it has been made by adding an inlet muffler and exhaust muffler (that are more powerful than those used in Silent version). Damper of air outlet has an upper part, that can be turned by 180°. Reduction of noise achieved by adding the cover is approximately 20 dB(A). Super Silent version is, under standard conditions, delivered together with exhaust gas muffler, by the help of which we achieved the reduction of noise of approximately 20dB(A).

POWERFULL series gensets are equipped with PERKINS, JOHN DEERE, DEUTZ, VOLVO PENTA, IVECO or MAN four-stroke diesel engine. It is possible to provide an ATS switch board equipped with contactors or motorized circuit breakers to gensets in automatic version (automatic start in the case of mains failure), that insures switching of power supply load between mains and genset.

Genset's tank is integrated in the frame. If required, it is possible to manufacture a larger frame to achieve bigger capacity of the tank.

Models review

POWERFULL canopy series gensets	
Engine producer	Power range (apparent power P.R.P. listed in kVA)
PERKINS	30 – 42 – 60 – 80 – 100 – 136 – 150 – 180 – 300 – 350 – 400 – 455 – 500 – 591 – 650
JOHN DEERE	30 – 40 – 60 – 80 – 100 – 120 – 160 – 180 – 200 – 250 – 255 – 390
DEUTZ	100 – 130 – 160
VOLVO PENTA	326 – 375 – 400 – 500 – 550 – 630
IVECO	60 – 85 – 100 – 120 – 130 – 160 – 200 – 300 – 350 – 400 – 720
MAN	630 – 670 – 810/only stand-by

For further information or special requirements for specific solutions of back-up supply, please contact our sales managers or project managers.



Illustrative photo – mobile realization of Silent version POWERFULL genset

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