

Energy saving rate of air compressors with EcoDriveCN vector control AC frequency inverter (variable speed drive)

V&T Technologies Co., Ltd. is a recognized **leader for energy efficiency retrofits of air compressors** in the world.

The exact energy conservation ratio of air compressors with AC variable speed drives (VSD drives) from V&T Technologies Co., Ltd depends on the exact project.



Below is the table of estimated energy saving rate of air compressors with frequency inverters (frequency converters):

No.#	Load time	Unload time	Unload/(load and unload) (%)	40%	50%	60%
				Energy saving rate		
1	1	10	90.9	72.0	75.0	77.1
2	1	9	90.0	70.4	73.6	75.9
3	1	8	88.9	68.6	72.0	74.5

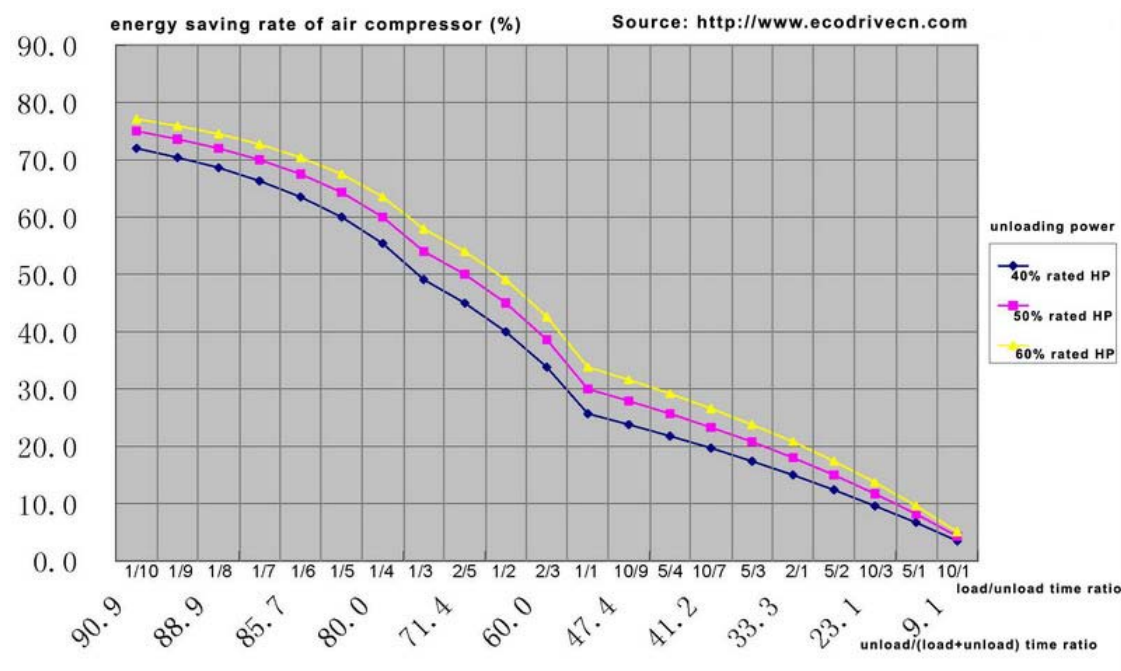
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4	1	7	87.5	66.3	70.0	72.7
5	1	6	85.7	63.5	67.5	70.4
6	1	5	83.3	60.0	64.3	67.5
7	1	4	80.0	55.4	60.0	63.5
8	1	3	75.0	49.1	54.0	57.9
9	2	5	71.4	45.0	50.0	54.0
10	1	2	66.7	40.0	45.0	49.1
11	2	3	60.0	33.8	38.6	42.6
12	1	1	50.0	25.7	30.0	33.8
13	10	9	47.4	23.8	27.9	31.6
14	10	8	44.4	21.8	25.7	29.2
15	10	7	41.2	19.7	23.3	26.6
16	10	6	37.5	17.4	20.8	23.8
17	10	5	33.3	15.0	18.0	20.8
18	10	4	28.6	12.4	15.0	17.4
19	10	3	23.1	9.6	11.7	13.7
20	10	2	16.7	6.7	8.2	9.6
21	10	1	9.1	3.5	4.3	5.1

Energy saving rate this table = ideal energy saving rate * 90%

Energy saving ratio of air compressor with AC drives from V&T Technologies Co., Ltd.



Some favorable factors:

Failure rate < 1%, similar as Siemens, Emerson, ABB, Danfoss, Eaton, Schneider, Allen-Bradley, Lenze, Yaskawa

[Authorized CE by ECMG, under the audit of NVLAP. NVLAP Lab code: 200068-0. ISO/IEC 07025:1999, ISO 9002:1994](#)

18-month warranty period

Prompt delivery lead time: 1-4 days

[Supply to REGAL, Foxconn, CG Group, Atlas Copco, Ingersoll Rand and Sullair...](#)

**V&T Technologies Co., Ltd.**

Add: XinFeng Building, YangGuang Industrial Area, XiLi Town, NanShan District, ShenZhen, 518055 China

Website: <http://www.EcoDriveCN.com>

Email: Richard@EcoDriveCN.com

Tel: +86-177-04027519

Whatsapp: +86-177-04027519

Skype & Line ID: EcoDriveCN

V&T Technologies Co., Ltd. is a reliable supplier of superb variable speed drives (frequency inverters, VSD, frequency converters), servo drives, motor soft starters, inverters, and other power electronics.

As **the best manufacturer in China** of motor control, industrial automation, motion control and energy saving, we are competing with ABB, Siemens, Yaskawa and other top brands. From 200VAC to 1140VAC, power rating from 0.4KW to more than 3000KW.

Our AC drives (frequency inverters) are widely accepted in the world for energy saving, motor

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control and motion control: [constant pressure water supply](#), [sewage disposal \(wastewater treatment\)](#), circulation pumps, extruder machines, plastic injection molding machine, machine tools, [air compressor](#), civil engineering, conveyor belt, wastewater treatment, extruder machines, fan and pump, HVAC (heating, ventilating and air conditioning), [mine exhaust blower](#), dusting fan, dredger, [mining industry](#)...

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