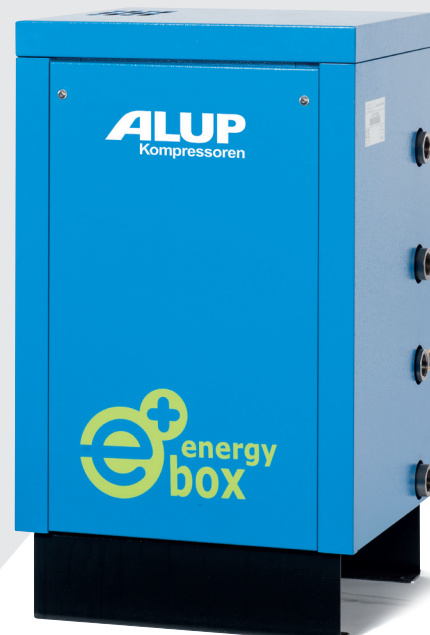


Light and compact Energy Box supports you to achieve huge energy and cost savings, great productivity improvement and large CO₂ emission reduction.

Up to 94% of energy of the compressors shaft power can be recovered, resulting in huge tangible savings. Almost all compressor installations and applications can benefit from energy recovery systems. Energy recuperation of compressors can be achieved by heating air or water. By heating and ducting air, almost all energy can be recovered.

The Energy Box is the solution to heat water for different applications. It fits all generations and types of oil injected screw compressors. The overview below shows the potential savings of the Energy Box for different rated compressor powers.



Rated Power		Recoverable Energy		Heated water volume		Yearly Savings		
				70°C (Δt 20°C)	70°C (Δt 50°C)	Fuel	Heating Cost	CO ₂ savings
kW	hp	kW	hp	Liter/year	Liter/year	Liter	€	ton
11	15	8,9	11,9	1.148.113	459.245	3.091	1.700	7.049
15	20	12,1	16,2	1.560.917	624.367	4.203	2.311	9.583
18,5	25	15	20,0	1.935.022	774.009	5.210	2.865	11.880
22	30	17,8	23,8	2.296.226	918.490	6.182	3.400	14.098
30	40	24,2	32,5	3.121.835	1.248.734	8.405	4.623	19.166
37	50	29,9	40,1	3.857.143	1.542.857	10.385	5.712	23.681
45	60	36,4	48,7	4.695.652	1.878.261	12.643	6.954	28.829
55	75	44,4	59,6	5.727.664	2.291.065	15.421	8.482	35.165
75	100	60,6	81,2	7.817.487	3.126.995	21.048	11.577	47.995
90	125	72,7	97,5	9.378.404	3.751.362	25.251	13.888	57.578
110	150	88,8	119,0	11.458.552	4.583.421	30.852	16.969	70.349
132	180	106,6	142,9	13.750.263	5.500.105	37.022	20.362	84.419
150	200	121,1	162,3	15.625.299	6.250.119	42.070	23.139	95.931
160	220	129,2	173,2	16.666.985	6.666.794	44.875	24.681	102.326
180	240	145,4	194,6	9.378.404	7.500.143	50.485	27.767	115.117

Assumptions made:- 3000 operating hours yearly; fuel cost € 0,55/l; pre-heating energy box by after cooler

Discover some of the energy saving applications of the Energy Box in different industries:

- General: heating systems, showers, hot water feed
- Dairies: process boiler feed, pasteurization, drying & scalding process, sterilization
- Process: synthesis of gas, steam cracking, stripping, boiler feed
- Pharmaceuticals: temperature maintenance, drying process, sterilization, steam barriers
- Textile: dyeing, finishing
- Turbine feed, humidification, reboilers, purge medium
- And many others

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Find your Energy Box below

Energy Saving Solution	Compressor coverage	Order number
Energy Box 11-30 kW	Power range from 11-30 kW, 15-40 HP	2230 0386 91
Energy Box 30-55 kW	Power range from 30-55 kW, 40-75 HP	2230 0386 92
Energy Box 55-90 kW	Power range from 55-90 kW, 75-125 HP	2230 0386 93
Energy Box 90-180 kW	Power range from 90-180 kW, 125-240 HP	2230 0386 94

Find your Connection Kit below

Energy Saving Solution	Order number
Kit Energy Box 11-30kW	2230 0073 93
Kit Energy Box 30-90kW	2230 0073 94
Kit Energy Box 90-180kW	2230 0074 04

