

DucoBox Energy Premium 400 (NL: 400/570)

Trade mark	Duco
Model reference	DucoBox Energy Premium 400 (NL: 400/570) 0000-4366 / 0000-4367 / 0000-4368 / 0000-4369 / 0000-4370 / 0000-4371 / 0000-4372 / 0000-4373

		Manual control (no DCV)	Clock control (no DCV)	Central demand control (+ 1 sensor)	Local demand control (+ min 2 sensors)
Specific energy consumption (SEC) in (kWh/(m².an))	cold	-75,4	-76,4	-78,5	-82,1
	average	-37,5	-38,4	-40,1	-43,0
	warm	-13,2	-14,0	-15,5	-18,0
SEC class	cold	A+	A+	A+	A+
	average	A	A	A	A+
	warm	E	E	E	E
Typology		Bidirectional	Bidirectional	Bidirectional	Bidirectional
Type of motor		Variable speed	Variable speed	Variable speed	Variable speed
Type of heat recovery		Recuperative	Recuperative	Recuperative	Recuperative
Thermal efficiency of heat recovery in (%)		88,0%	88,0%	88,0%	88,0%
Maximum flow rate in (m³/h)		405	405	405	405
Electric fanpower input at maximum flow rate in (W)		160,4	160,4	160,4	160,4
Sound power level Lwa at reference flow rate in dB(A)		46	46	46	46
Reference flow rate in (m³/s)		0,08	0,08	0,08	0,08
Reference pressure difference in (Pa)		50	50	50	50
SPI en (W/m³/h)		0,23	0,23	0,23	0,23
Control factor and control typology		1 Manual control	0,95 Clock control	0,85 Central demand control	0,65 Local demand control
Declared maximum internal leakage rates in (%)		1,90%	1,90%	1,90%	1,90%
Declared maximum external leakage rates in (%)		2,80%	2,80%	2,80%	2,80%
Mixing rate in (%)		Not applicable	Not applicable	Not applicable	Not applicable
Position and description of visual filter warning		Display	Display	Display	Display
Instructions to install regulated supply/exhaust grilles		Not applicable			
Pre-/dis-assembly instructions		www.duco.eu			
Airflow sensitivity to pressure variations at + 20 Pa / -20Pa		Not applicable	Not applicable	Not applicable	Not applicable
Indoor/outdoor air tightness in (m³/h)		Not applicable	Not applicable	Not applicable	Not applicable
Annual electricity consumption (AEC) in (kWh electricity/a)		293,9	265,8	214,0	127,5
Annual heating saved (AHS) in (kWh primary energy/a)	cold	8839	8876	8951	9100
	average	4518	4537	4576	4652
	warm	2043	2052	2069	2104