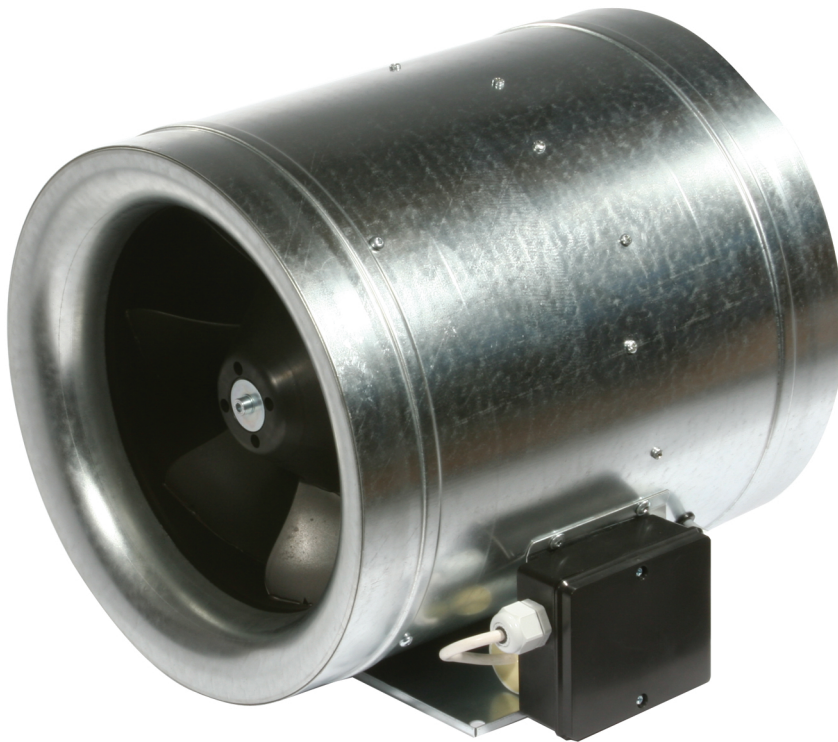


- Inline duct fan
- Circular
- Monophase motor
- Mixed flow
- 1~230 Vac



Inline duct fans type ETALINE

Compact mixed flow duct fan with high efficiency

Application

- **ETALINE** fans are especially built for use with round ducts. The diameter of the duct is not exceeded by the fan housing, the **ETALINE** fan can be used in small spaces.
- Thanks to the special design of the three dimensional blades of the rotor and the stator, these blades are driven correctly, thanks to which the pressure profile on the surface of the blades is realised more efficiently and with considerably less losses. The efficient stator will convert the energy losses (dynamic pressure) into useable energy (static pressure). This combination results in a duct fan with the highest efficiency in its category, whereby the **ETALINE** fans cut operational costs enormously.
- Thanks to the fact that the motor is integrated in the stator's hub, out of the air stream, the **ETALINE** fans can be used for slightly polluted air.
- Because the motor is built into the stator hub, outside the air flow, the ETALINE fans can be used for slightly polluted air.
- The **ETALINE** fans are used for ventilation in offices, schools, parkings, industrial applications,...

Composition

- Compact fan housing with mounting bracket included
- The fan housing is made out of synthetic fibre for diameter 200 mm, galvanised steel for diameters from 250 mm to 355 mm and seawater proof aluminium for diameters from 400 mm to 710 mm
- The mixed flow turbine and stator are made out of synthetic fibre for the diameters from 200 mm to 355 mm and of seawater proof aluminium for diameters from 400 mm to 710 mm
- The motor is equipped with maintenance-free, long-life ball bearings
- Insulation class F
- Junction box IP44 with cable gland
- Voltage: 230 Vac 1ph and 400V 3ph
- Protection class:
 - ETALINE 200 E2 01, ETALINE 250 E2 01, ETALINE 315 E2 03 - ETALINE 355 E4 01: IP00 for the engine, IPX for the impeller
 - ETALINE 250 E2 06: IP33 for the motor, IPX4 for the entire fan
 - ETALINE 315 E2 01: IP54 for the motor, IPX4 for the entire fan

- ETALINE 250 E2 01 - ETALINE 355 E4 01: connection box IP44 with cable gland
- Thermal protection:
 - ETALINE 200 E2 01 - ETALINE 400 E4 01: thermal contact with manual reset, internally connected

Accessories

- Speed controller, type **TSC(TK)-1**
- Frequency inverter, type **FIS(-C) 44-B**
- Fitting clamp, type **BMK**
- Protection grille, type **BSV-S**

Text for tender

Fans are of the mixed flow type and are equipped with a 230V 1ph speed controllable motor. Can be fitted in any position. Air volume up to 14.000 m³/h. Including mounting brackets. Housing from plastic (dia 200), galvanised steel (dia 250-355) or aluminium (dia 400-710). Motor with integrated thermal switch.

Order example

ETALINE 250 E2 01 + TSC-1-15

ETALINE = type of fan

250 = diameter

E = Type of motor

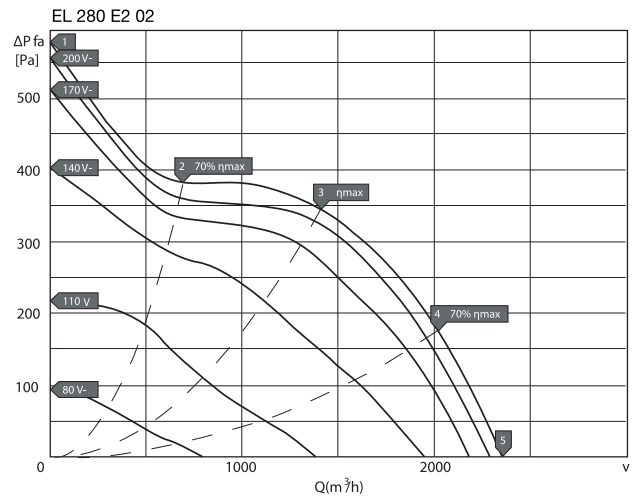
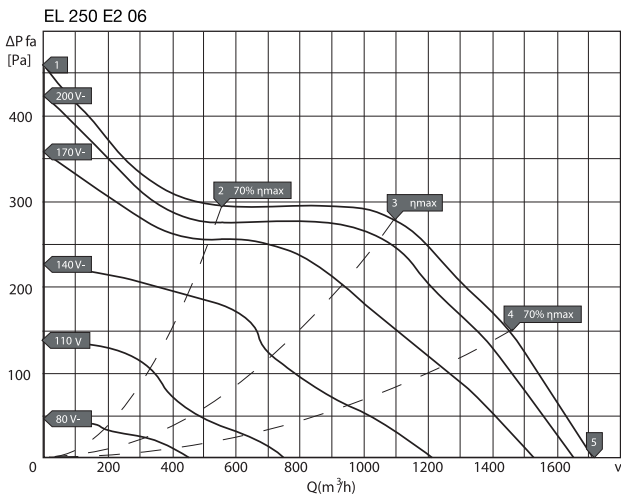
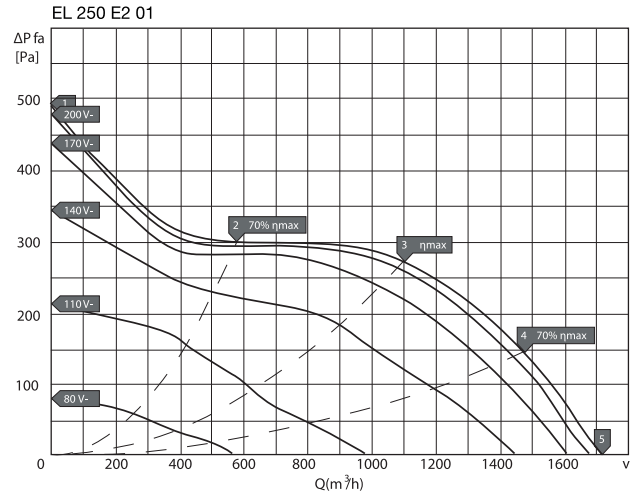
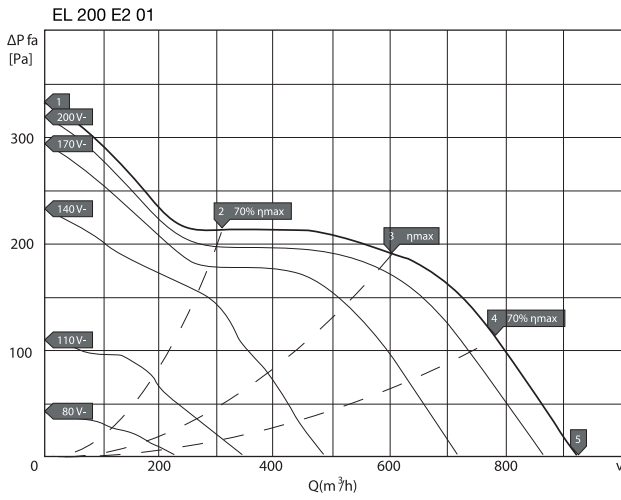
2 = Number of poles

01 = Version

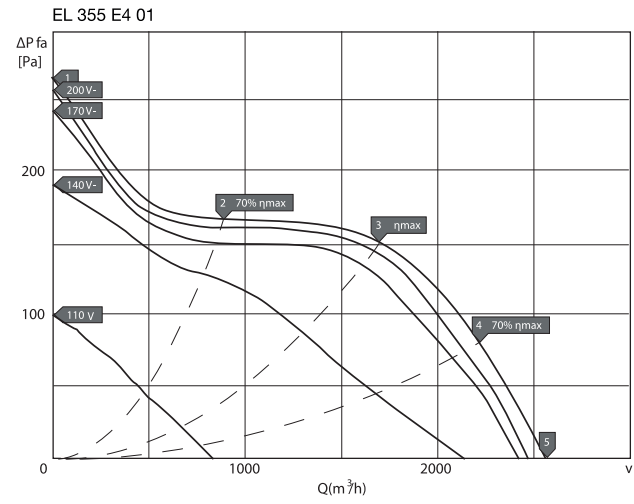
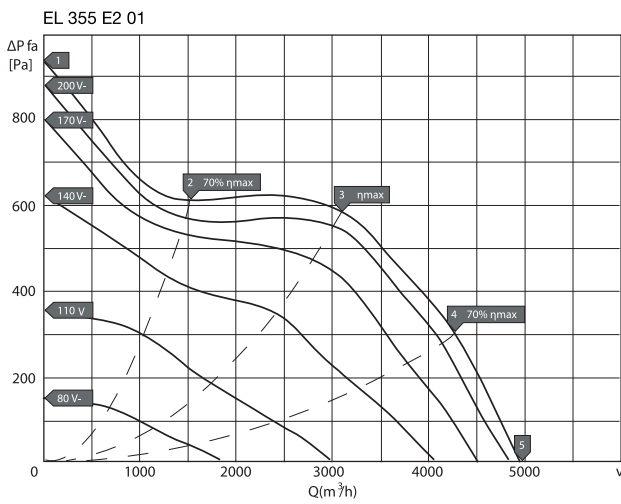
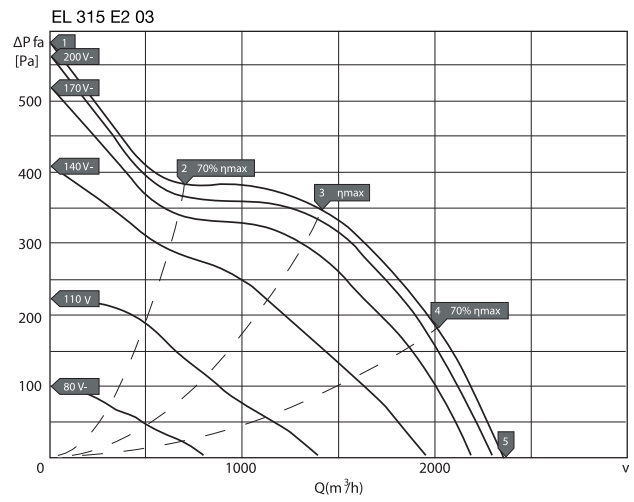
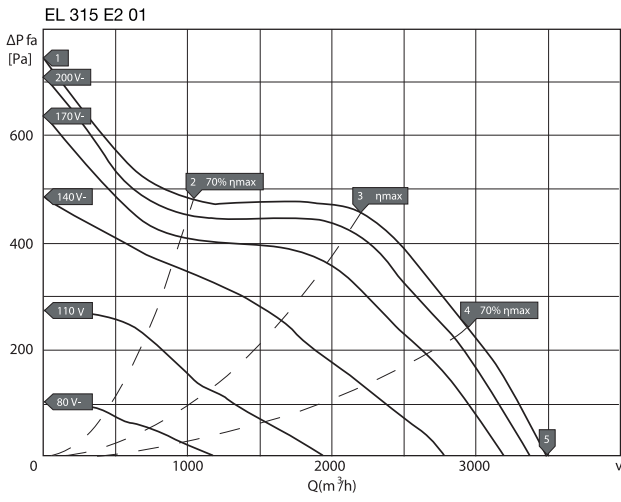
TSC-1-15 = speed controller

	Air performance data								
	Q [m ³ /h]								
	50Pa	100Pa	150Pa	200Pa	250Pa	300Pa	400Pa	500Pa	600Pa
ETALINE 200 E2 01	869	797	721	539	170	-	-	-	-
ETALINE 250 E2 01	1663	1576	1480	1375	1139	837	186	-	-
ETALINE 250 E2 06	1554	1467	1377	1252	1139	389	117	-	-
ETALINE 315 E2 01	3428	3327	3218	3112	2996	2852	2531	809	-
ETALINE 315 E2 03	2280	2187	2088	1971	1825	1653	534	-	-
ETALINE 355 E4 01	2381	2135	1789	372	-	-	-	-	-
ETALINE 400 D4 O 01	3375	3100	2775	800	-	-	-	-	-
ETALINE 450 D4 O 01	5200	4925	4675	4300	3950	950	-	-	-
ETALINE 500 D4 O 01	7150	6875	6600	6250	5875	5450	1125	-	-
ETALINE 560 D4 O 01	9675	9380	9000	8660	8225	7660	6275	1950	625
ETALINE 630 D4 O 01	14550	14225	13850	13475	13075	12650	11650	10575	2650
ETALINE 710 D4 O 01	20440	20050	19625	19250	18800	18220	17300	16000	15050

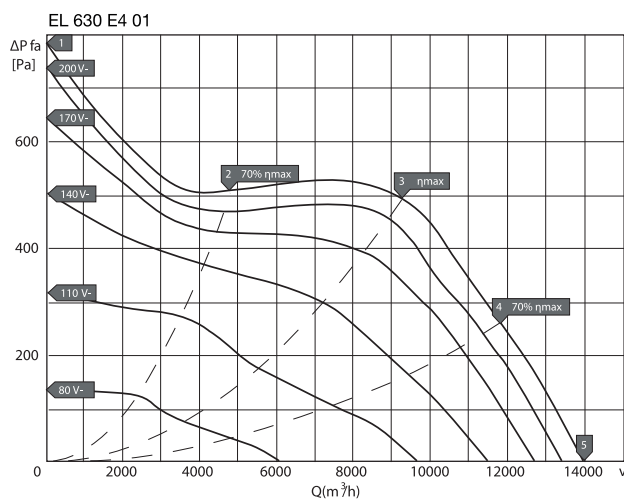
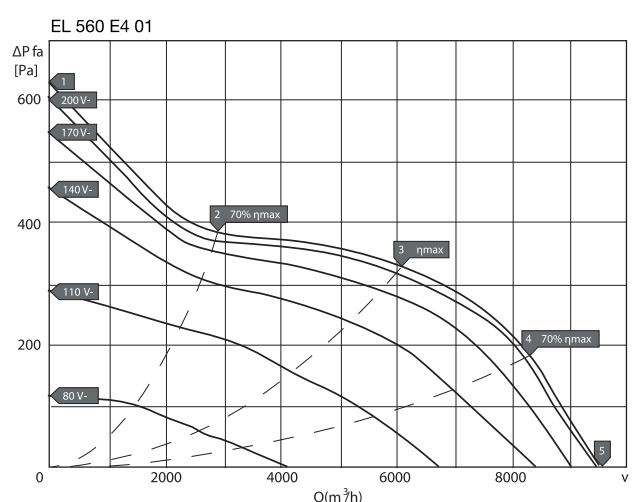
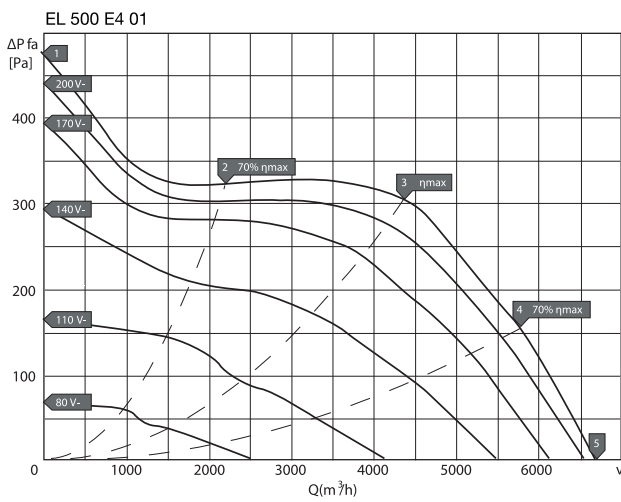
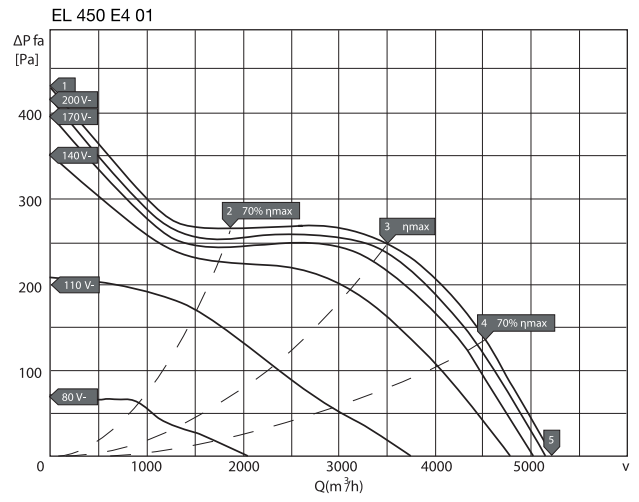
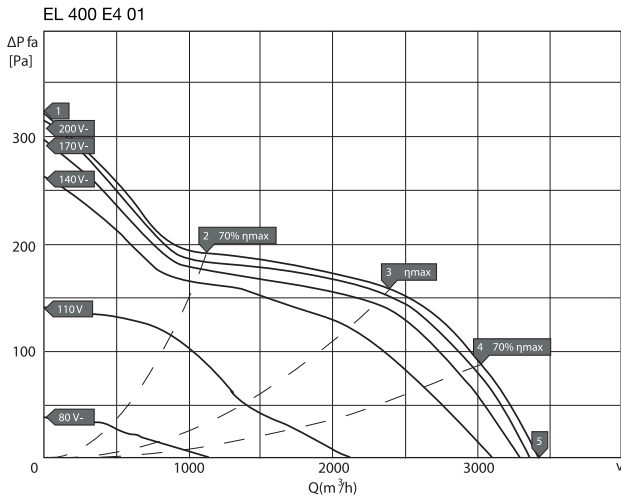
Selection curves



Selection curves

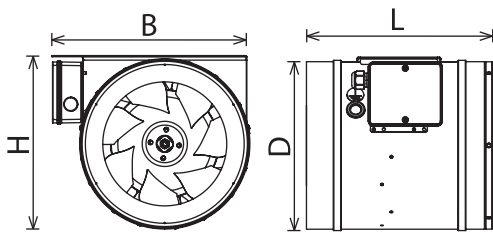


Selection curves



Technical data												
	U [V]	P [W]	I [A]	SC	η_t [%]	T _m [°C]	T _u [°C]	T _o [°C]	n [rpm]	Lwa [dB(A)]		
										Lwa 5	Lwa 6	Lwa 2
ETALINE 200 E2 01	1 x 230	100	0.50	TSC-1-15	36.6	45	45	-25	2720	76	78	61
ETALINE 250 E2 01	1 x 230	180	1	TSC-1-15	49.2	55	55	-25	2845	75	79	55
ETALINE 250 E2 06	1 x 230	160	0.82	TSC-1-15	50.6	50	50	-25	2726	74	77	53
ETALINE 315 E2 01	1 x 230	530	3.20	TSC-1-40	56.7	70	70	-25	2809	81	85	63
ETALINE 315 E2 03	1 x 230	270	1.64	TSC-1-22	55	55	55	-25	2838	79	82	58
ETALINE 355 E2 01	1 x 230	960	5.40	TSC-1-70	54.8	45	45	-25	2810	84	87	67
ETALINE 355 E4 01	1 x 230	150	0.98	TSC-1-15	50.5	80	80	-25	1447	69	71	52
ETALINE 400 D4 O 01	3 x 400	733	1.28	FIS-4420E-1.5-B	48.7	80	80	-20	2175	75	78	67
ETALINE 450 D4 O 01	3 x 400	1132	2.16	FIS-4420E-1.5-B	59.2	60	60	-30	2070	79	84	72
ETALINE 500 D4 O 01	3 x 400	1921	3.6	FIS-4420E-2.2-B	62.2	60	60	-30	2060	84	88	76
ETALINE 560 D4 O 01	3 x 400	1445	2.8	FIS-4420E-2.2-B	64.8	60	60	-20	1610	87	88	78
ETALINE 630 D4 O 01	3 x 400	2955	5.51	FIS-4420E-4.0-B	68.6	60	60	-20	1610	91	93	83
ETALINE 710 D4 O 01	3 x 400	5015	9.6	FIS-4420E-5.5-B	67.9	60	60	-20	1620	92	96	86

- SC = Speed controller
- η_t = Maximum total efficiency
- T_m = Maximum air temperature
- T_u = Maximum ambient temperature
- T_o = Minimum operating temperature
- Lwa 2 = Casing sound power level
- Lwa 5 = Sound power level @inlet
- Lwa 6 = Sound power level @outlet
- The sound power levels are measured according to DIN 45635 part 2 & 3



Dimensions					
	D [mm]	H [mm]	B [mm]	L [mm]	[kg]
ETALINE 200 E2 01	201	205	199	225	2.9
ETALINE 250 E2 01	250	259	297	278	6.3
ETALINE 250 E2 06	250	259	254	215	5.4
ETALINE 315 E2 01	315	324	349	351	8.4
ETALINE 315 E2 03	315	319	337	308	14.2
ETALINE 355 E4 01	354	363	389	396	13.5
ETALINE 355 E4 01	354	368	389	396	17.3
ETALINE 400 D4 O 01	403	432	407	416	18.5
ETALINE 450 D4 O 01	453	467	457	467	26.5
ETALINE 500 D4 O 01	504	512	507	516	36.3
ETALINE 560 D4 O 01	564	573	568	582	33
ETALINE 630 D4 O 01	634	643	638	654	45
ETALINE 710 D4 O 01	714	723	717	732	63