

HPX/SEC

Fans designed with the most advanced technology and experience to withstand extreme working conditions in ovens, driers and other applications with high temperature and humidity



Fan:

- Thick sheet steel long casing with twist-lock cap.
- Impellers made from cast aluminium
- High-quality bearings with grease for high temperatures
- Bearing support with grease cups
- External grease cups in fan casing
- Airflow direction from motor to impeller

Motor:

- IE2 efficiency motors for capacities equal to or over 0.75kW and below 7.5kW, except single-phase, 2 speed and 8 pole motors.
- IE3 efficiency for 7.5kW and larger motors. Except single-phase, 2 speed and 8 pole motors
- Class F insulation, IP55
- Single-phase 230V-50Hz and three phase, 50Hz, 230/400V motors up to and including 4kW. 400/690V over 4kW
- Working temperature: -25°C +150°C

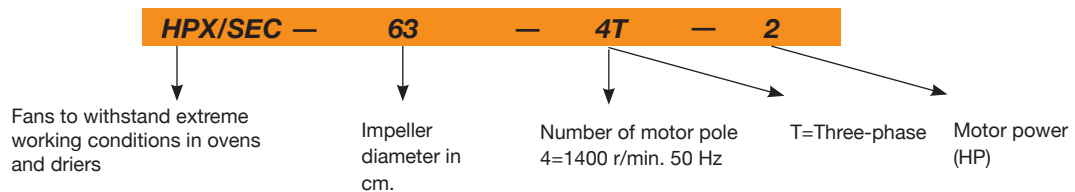
Finish:

- Anticorrosive in heat-resistant paint

On request:

- Airflow direction from impeller to motor
- 100% reversible impellers.
- Special windings for different electrical supplies
- ATEX certification, category 2 (see HPX/ATEX series)
- IE2 and IE3 efficiency motors assembled on any unit

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V	690V				
HPX/SEC-63-4T-2	1450	5.96	3.44		1.50	17500	78	68.1
HPX/SEC-71-4T-2	1350	5.96	3.44		1.50	22500	79	84.5
HPX/SEC-71-4T-3	1450	8.36	4.83		2.20	24000	81	91.5
HPX/SEC-80-4T-4	1350	10.96	6.33		3.00	32000	84	107.0
HPX/SEC-80-4T-5.5	1450	14.10	8.12		4.00	40500	84	116.0
HPX/SEC-90-4T-7.5	1400		11.60	6.72	5.50	51000	91	132.5
HPX/SEC-90-4T-10 IE3	1400		14.20	8.20	7.50	54700	92	145.5
HPX/SEC-100-4T-10 IE3	1450		14.20	8.20	7.50	63000	93	148.5
HPX/SEC-100-4T-15 IE3	1450		20.20	11.60	11.00	68000	94	191.5

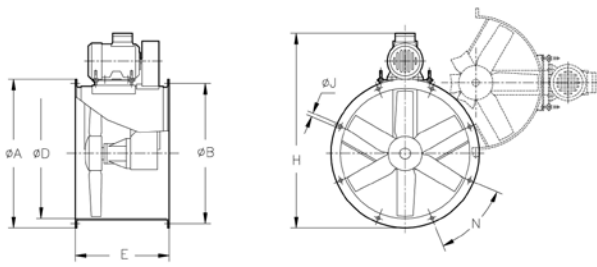
Acoustic features

The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's external diameter plus the impeller's diameter, with a minimum of 1.5 m.

Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
HPX/SEC-63-4T-2	62	73	83	89	90	85	74	70	HPX/SEC-90-4T-7.5	69	90	97	102	105	101	94	83
HPX/SEC-71-4T-2	56	76	84	89	91	88	81	70	HPX/SEC-90-4T-10	70	91	98	103	106	102	95	84
HPX/SEC-71-4T-3	65	76	86	92	93	88	77	73	HPX/SEC-100-4T-10	73	93	100	106	108	105	98	87
HPX/SEC-80-4T-4	61	81	89	94	96	93	86	75	HPX/SEC-100-4T-15	74	94	101	107	109	106	99	88
HPX/SEC-80-4T-5.5	68	79	89	95	96	91	80	76									

Dimensions in mm

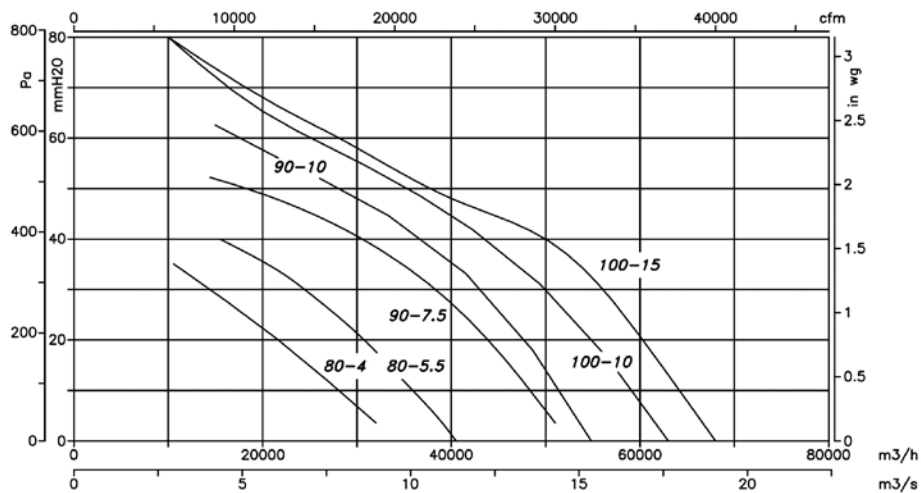
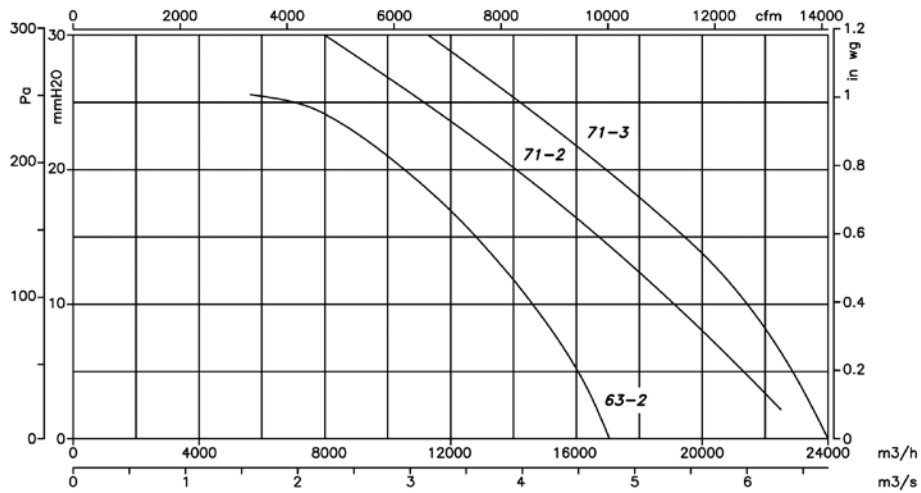


Model	ØA	ØB	ØD	E	H	ØJ	N
HPX/SEC-63-4T-2	730	690	640	500	943	12	12x30°
HPX/SEC-71-4T-2	810	770	710	550	1022	12	16x22°30'
HPX/SEC-71-4T-3	810	770	710	550	1048	12	16x22°30'
HPX/SEC-80-4T-4	900	860	800	600	1164.5	12	16x22°30'
HPX/SEC-80-4T-5.5	900	860	800	600	1185.5	13	16x22°30'
HPX/SEC-90-4T-7.5	1015	970	900	650	1338	15	16x22°30'
HPX/SEC-90-4T-10	1015	970	900	650	1338	15	16x22°30'
HPX/SEC-100-4T-10	1115	1070	1000	750	1453	15	16x22°30'
HPX/SEC-100-4T-15	1115	1070	1000	750	1525	15	16x22°30'

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm

Pe = Static pressure in mmH₂O, Pa and inwg



Accessories

See accessories section.

