

HEP/EW



VARIABLE SPEED DRIVE
VSD: Variable Speed Drive,
VSD1/B
VSD3/B

Supply included with fan

CONTROL
Supply optional accessory

SUPPLY
VSD1/B:
220-240 V 50/60 Hz
VSD3/B:
380-415 V 50/60 Hz

High-efficiency wall-mounted axial fans fitted with industrial BRUSHLESS motor E.C.

Fibreglass-reinforced plastic impeller.

Fan:

- Airflow direction from motor to impeller.
- Impeller in polyamide 6 reinforced with fibreglass.
- Sheet steel base plate.
- Protection guard to prevent contacts according to standard UNE-EN ISO 12499:2010
- Electronic variable speed (VSD), three-phase or single-phase, is supplied with fan.

Motor and electronic variable speed:

- High-efficiency Industrial Brushless Motors E.C. Fitted with electronic variable speed (VSD), adjustable via external control input 0-10V. IP65 protection.
- It is advisable to install an electronic variable speed drive (VSD) outside the working area.
- The external signal can be supplied through a manual or automatic control with 0-10 V output.
- Electronic variable speed drive (VSD), available with single-phase 220-240 V 50/60 Hz input (VSD1/B type) or three-phase 380-415 V 50/60 Hz (VSD3/B type). Standard protection IP20, on demand IP66 protection.
- By default, the electronic variable speed drive (VSD) is delivered programmed for constant speed.

Working fan temperature:

-25 °C +60 °C.

Working temperature (VSD):

-25 °C +50 °C.

Finish:

- Anticorrosive finish in polyester resin polymerised at 190°C, after alkaline degreasing with nanotechnology treatment and phosphate-free.

On request:

- Motor, impeller and guard unit (version F)
- Motor-impeller unit (version G)
- Airflow direction from impeller to motor.

Order code with variable speed drive (VSD) included

HEP/EW — 25 — 2/H — B — T — D

HEP/EW: High-efficiency wall-mounted axial fans "Efficient work"

Impeller diameter in cm.

Maximum speed:
2=2850 rpm
4=1410 rpm
6=960 rpm

H=High airflow
L=Low airflow

Industrial Brushless Motors E.C.

M: Fitted with VSD1/B, electronic variable speed, single phase power supply 220-240 V 50/60 Hz.
T: Fitted with VSD3/B, electronic variable speed, three-phase power supply 380-415 V 50/60 Hz.

D: Standard version, VSD supplied programmed for constant speed.
P: Supplied with VSD programmed for pressure control and Si-Presión pressure transmitter
K: Supplied with VSD programmed for pressure control and built into a BOXPRES KIT/B box.

Technical characteristics

Model	Speed min/max (r/min)	Single-phase VSD 230 V50/60 Hz		Three-phase VSD 400 V50/60 Hz		Maximum electrical power (W)	Maximum Airflow min/max (m³/h)	Sound pressure level min/max dB(A)	Weight approx. (Kg)
		Maximum current input (A)	Model VSD	Maximum current input (A)	Model VSD				
HEP/EW-25-2/H	300 / 2850	2.09	VSD1/B-0.37	0.61	VSD3/B-0.75	255	240 / 2300	15 / 64	5.3
HEP/EW-25-4/H	300 / 1410	1.14	VSD1/B-0.37	0.34	VSD3/B-0.75	140	265 / 1250	18 / 52	4.5
HEP/EW-31-2/H	300 / 2850	2.86	VSD1/B-0.37	0.84	VSD3/B-0.75	345	420 / 4000	25 / 74	7.0
HEP/EW-31-4/H	300 / 1410	1.14	VSD1/B-0.37	0.34	VSD3/B-0.75	140	510 / 2400	21 / 55	5.7
HEP/EW-35-2/H	300 / 2850	4.08	VSD1/B-0.37	1.20	VSD3/B-0.75	495	635 / 6020	27 / 76	8.8
HEP/EW-35-4/H	300 / 1410	1.14	VSD1/B-0.37	0.34	VSD3/B-0.75	140	745 / 3500	24 / 58	7.1
HEP/EW-40-4/H	300 / 1410	2.79	VSD1/B-0.37	0.82	VSD3/B-0.75	340	1105 / 5200	27 / 61	10.6
HEP/EW-40-6/H	300 / 960	2.13	VSD1/B-0.37	0.62	VSD3/B-0.75	255	1095 / 3500	29 / 54	10.2
HEP/EW-45-4/H	300 / 1410	3.96	VSD1/B-0.37	0.93	VSD3/B-0.75	450	1555 / 7300	32 / 66	12.5
HEP/EW-45-4/L	300 / 1410	2.79	VSD1/B-0.37	0.82	VSD3/B-0.75	340	1235 / 5810	30 / 64	11.0
HEP/EW-45-6/H	300 / 960	2.13	VSD1/B-0.37	0.62	VSD3/B-0.75	255	1530 / 4900	31 / 56	11.4
HEP/EW-50-4/H	300 / 1410	5.82	VSD1/B-0.75	1.37	VSD3/B-0.75	660	2160 / 10150	35 / 69	15.0
HEP/EW-50-4/L	300 / 1410	2.79	VSD1/B-0.37	0.82	VSD3/B-0.75	340	1555 / 7300	33 / 67	13.0

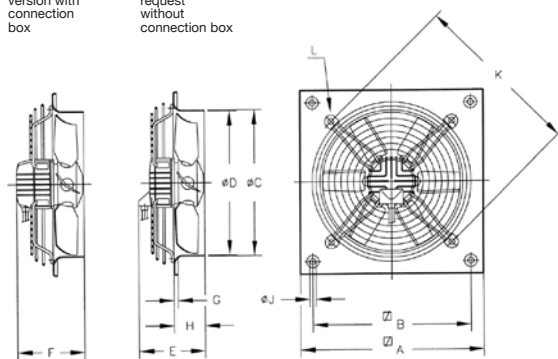
Technical characteristics

Model	Speed min/max	Single-phase VSD 230 V50/60 Hz		Three-phase VSD 400 V50/60 Hz		Maximum electrical power	Maximum Airflow min/max	Sound pressure level min/max	Weight approx.
	(r/min)	Maximum current input (A)	Model VSD	Maximum current input (A)	Model VSD	(W)	(m³/h)	dB(A)	(Kg)
HEP/EW-50-6/H	300 / 960	2.13	VSD1/B-0.37	0.62	VSD3/B-0.75	255	1920 / 6150	34 / 59	13.2
HEP/EW-56-4/H	300 / 1410	7.94	VSD1/B-0.75	1.87	VSD3/B-0.75	905	2725 / 12800	38 / 72	21.0
HEP/EW-56-4/L	300 / 1410	5.82	VSD1/B-0.75	1.37	VSD3/B-0.75	660	2320 / 10900	36 / 70	19.0
HEP/EW-56-6/H	300 / 960	2.93	VSD1/B-0.37	0.68	VSD3/B-0.75	330	2580 / 8250	37 / 62	17.0
HEP/EW-63-4/H	300 / 1410	11.25	VSD1/B-0.75	2.65	VSD3/B-1.5	1295	3980 / 18700	48 / 82	25.8
HEP/EW-63-4/L	300 / 1410	7.94	VSD1/B-0.75	1.87	VSD3/B-0.75	905	3510 / 16500	41 / 75	23.0
HEP/EW-63-6/H	300 / 960	4.28	VSD1/B-0.37	1.00	VSD3/B-0.75	480	3765 / 12050	40 / 65	20.2

Dimensions in mm

Standard
version with
connection
box

Version on
request
without
connection box



Model	A	B	C	D	E	F	G	H	J	K	L
HEP/EW-25-2/H	330	275	262	260	189	213	11	56	8,5	310	M.8
HEP/EW-25-4/H	330	275	262	260	179	203	11	56	8,5	310	M.8
HEP/EW-31-2/H	400	336	310,5	308	190	214	11	75	10,5	380	M.8
HEP/EW-31-4/H	400	336	310,5	308	180	204	11	75	10,5	380	M.8
HEP/EW-35-2/H	465	390	362,5	360	217	241	11	86	10,5	450	M.8
HEP/EW-35-4/H	465	390	362,5	360	187	211	11	86	10,5	450	M.8
HEP/EW-40-4/H	532	452	412,5	410	206	226	11	97,5	10,5	500	M.8
HEP/EW-40-6/H	532	452	412,5	410	186	205	11	97,5	10,5	500	M.8
HEP/EW-45-4/H	596	504	462,5	460	214	234	11	105	10,5	560	M.8
HEP/EW-45-4/L	596	504	462,5	460	214	234	11	105	10,5	560	M.8
HEP/EW-45-6/H	596	504	462,5	460	199	218	11	105	10,5	560	M.8
HEP/EW-50-4/H	665	562	516,5	514	255	275	11	115	10,5	640	M.8
HEP/EW-50-4/L	665	562	516,5	514	240	260	11	115	10,5	640	M.8
HEP/EW-50-6/H	665	562	516,5	514	235	254	11	115	10,5	640	M.8
HEP/EW-56-4/H	710	630	563	560	287	306	15	115	10,5	721	M.8
HEP/EW-56-4/L	710	630	563	560	267	286	15	115	10,5	721	M.8
HEP/EW-56-6/H	710	630	563	560	247	266	15	115	10,5	721	M.8
HEP/EW-63-4/H	800	710	638	635	320	340	15	140	10,5	820	M.8
HEP/EW-63-4/L	800	710	638	635	320	340	15	140	10,5	820	M.8
HEP/EW-63-6/H	800	710	638	635	257	276	15	140	10,5	820	M.8

Acoustic features at maximum speed

The specified values are determined according to free field measurements of sound levels in dB(A) at an equivalent distance of twice the fan's span 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
HEP/EW-25-2/H	39	52	64	68	70	70	66	58
HEP/EW-25-4/H	27	40	52	56	58	58	54	46
HEP/EW-31-2/H	49	62	74	78	80	80	76	68
HEP/EW-31-4/H	30	43	55	59	61	61	57	49
HEP/EW-35-2/H	51	64	76	80	82	82	78	70
HEP/EW-35-4/H	33	46	58	62	64	64	60	52
HEP/EW-40-4/H	36	49	61	65	67	67	63	55
HEP/EW-40-6/H	29	42	54	58	60	60	56	48
HEP/EW-45-4/H	43	57	69	72	74	75	71	62
HEP/EW-45-4/L	41	55	67	70	72	73	69	60

Model	63	125	250	500	1000	2000	4000	8000
HEP/EW-45-6/H	33	47	59	62	64	65	61	52
HEP/EW-50-4/H	46	60	72	75	77	78	74	65
HEP/EW-50-4/L	44	58	70	73	75	76	72	63
HEP/EW-50-6/H	36	50	62	65	67	68	64	55
HEP/EW-56-4/H	49	63	75	78	80	81	77	68
HEP/EW-56-4/L	47	61	73	76	78	79	75	66
HEP/EW-56-6/H	39	53	65	68	70	71	67	58
HEP/EW-63-4/H	61	75	87	90	92	92	89	80
HEP/EW-63-4/L	54	68	80	83	85	85	82	73
HEP/EW-63-6/H	44	58	70	73	75	75	72	63



Erp. Characteristic curves and ErP data

See HEP/EW-HEPT/EW model characteristic curves

Accessories

See accessories section.

