HCH-HCT-HFT/EW

HIGHLY EFFICIENT IE3-COMPLIANT THREE-PHASE MOTORS

VARIABLE SPEED DRIVE
VSD: Variable Speed Drive.
. VSD1/A-RFM
. VSD3/A-RFT

Supply on request

CONTROL
Supply optional accesory

SUPPLY
VSD1/A-RFM:
220-240 V 50/60 Hz
VSD3/A-RFT:
380-415 V 50/60 Hz

Wall-mounted or long-cased axial fans fitted with high-efficiency IE3 asynchronous motor adjustable electronically.

Fan:
- Airflow direction from motor to impeller.
- PL version impellers in polyamide 6 reinforced with fibreglass and AL version in cast aluminium.
- HCH: Wall support ring in sheet steel with single clamp.
- HFT: Short casing in sheet steel with double clamp and packing boxes for cable entry
- HCT: Sheet steel long casing with external terminal board

Motor and electronic variable speed:
- Motors with IE3 efficiency adjustable electronically.
- The variable speed drive VSD will be supplied as per order.
- Electronic variable speed drive (VSD) can be adjusted by external 0-10 V signal.
- 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.
- It is advisable to install sinusoidal filters between the fan and the electronic variable speed drive (VSD) when they are far apart.
- 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).
- By default, the electronic variable speed drive (VSD) is delivered programmed for constant speed.
- Working fan temperature: -25 ºC +60 ºC.
- Working temperature (VSD): -25 ºC +50 ºC.
- Class F motors with ball bearings, IP55 protection.
- Three-phase 230/400 V. 50 Hz. (up to 5.5 CV.) and 400/690 V. 50 Hz. (power over 5.5 CV.)

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

On request:
- Airflow direction from impeller to motor
- 100% reversible impellers.

Fan order code

HCH/EW — 71 — 4T — 1.5 / AL — IE3

HCH/EW: High-efficiency wall-mounted axial fans “Efficient work”

HFT/EW: High-efficiency axial fans with double clamp, “Efficient work”

HCT/EW: High-efficiency long-cased axial fans, “Efficient work”

Impeller diameter in cm.

Maximum speed:
4T=1450 rpm
6T=950 rpm

Motor power (CV)

AL: Aluminium impeller
PL: Plastic impeller

Three-phase motor IE3

Order code with variable speed drive (VSD) included

HCH/EW — 71 — 4T — 1.5 / AL — IE3 — VSD1 — D

HCH/EW: High-efficiency wall-mounted axial fans “Efficient work”

HFT/EW: High-efficiency axial fans with double clamp, “Efficient work”

HCT/EW: High-efficiency long-cased axial fans, “Efficient work”

Impeller diameter in cm.

Maximum speed:
4T=1450 rpm
6T=950 rpm

Motor power (CV)

AL: Aluminium impeller
PL: Plastic impeller

Three-phase motor IE3

VSD1: Fitted with VSD1/A-RFM, electronic variable speed drive, single phase power supply 220-240 V 50/60 Hz.

VSD3: Fitted with VSD3/A-RFT, electronic variable speed drive, 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. Only available for fans with motor power less than or equal to 2.2 kW.

Technical characteristics

Model				Speed min/max (r/min)	Single-phase VSD 230 V 50/60 Hz		Three-phase VSD 400 V 50/60 Hz		Maximum current Motor 50 Hz			Installed power	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	230V	400V (A)	690V	(kW)			HCH	HFT	HCT
HCH/EW	HFT/EW	HCT/EW	56-4T-0.75	570/1420	6.33	VSD1/A-RFM-1	1.76	VSD3/A-RFT-1	2.17	1.25	-	0.55	4435 / 11050	52 / 72	21	23	33
HCH/EW	HFT/EW	HCT/EW	56-4T-1	570/1420	8.32	VSD1/A-RFM-1	2.31	VSD3/A-RFT-1	2.82	1.62	-	0.75	5200 / 12950	53 / 73	22	24	34
HCH/EW	HFT/EW	HCT/EW	56-4T-1.5	580/1455	11.87	VSD1/A-RFM-2	3.30	VSD3/A-RFT-2	4.07	2.34	-	1.10	5580 / 14000	54 / 74	26	28	37
HCH/EW	HFT/EW	HCT/EW	63-4T-1	570/1420	8.32	VSD1/A-RFM-1	2.31	VSD3/A-RFT-1	2.82	1.62	-	0.75	5680 / 14150	53 / 73	27	29	42
HCH/EW	HFT/EW	HCT/EW	63-4T-1.5	580/1455	11.87	VSD1/A-RFM-2	3.30	VSD3/A-RFT-2	4.07	2.34	-	1.10	6775 / 17000	54 / 74	30	32	45
HCH/EW	HFT/EW	HCT/EW	63-4T-2	575/1440	15.78	VSD1/A-RFM-2	4.38	VSD3/A-RFT-2	5.41	3.11	-	1.50	7545 / 18900	55 / 75	33	35	48
HCH/EW	HFT/EW	HCT/EW	63-4T-3	575/1435	23.15	VSD1/A-RFM-3	6.43	VSD3/A-RFT-3	7.93	4.56	-	2.20	8855 / 22100	56 / 76	41	43	57
HCH/EW	HFT/EW	HCT/EW	71-4T-1.5	580/1455	11.87	VSD1/A-RFM-2	3.30	VSD3/A-RFT-2	4.07	2.34	-	1.10	7935 / 19900	58 / 78	33	35	52
HCH/EW	HFT/EW	HCT/EW	71-4T-2	575/1440	15.78	VSD1/A-RFM-2	4.38	VSD3/A-RFT-2	5.41	3.11	-	1.50	8385 / 21000	59 / 79	36	38	55
HCH/EW	HFT/EW	HCT/EW	71-4T-3	575/1435	23.15	VSD1/A-RFM-3	6.43	VSD3/A-RFT-3	7.93	4.56	-	2.20	9615 / 24000	61 / 81	45	47	64
HCH/EW	HFT/EW	HCT/EW	71-4T-4	575/1440	-	-	7.20	VSD3/A-RFT-5.5	10.70	6.15	-	3.00	11740 / 29400	62 / 82	47	49	66
HCH/EW	HFT/EW	HCT/EW	71-6T-0.75	370/925	6.90	VSD1/A-RFM-1	1.92	VSD3/A-RFT-1	2.52	1.45	-	0.55	6000 / 15000	47 / 67	29	31	49
HCH/EW	HFT/EW	HCT/EW	71-6T-1	375/940	8.69	VSD1/A-RFM-1	2.41	VSD3/A-RFT-1	3.36	1.93	-	0.75	6860 / 17200	48 / 68	36	38	55
HCH/EW	HFT/EW	HCT/EW	71-6T-1.5	380/945	12.43	VSD1/A-RFM-2	3.45	VSD3/A-RFT-2	4.68	2.69	-	1.10	8485 / 21100	49 / 69	38	40	57
HCH/EW	HFT/EW	HCT/EW	80-4T-3	575/1435	23.15	VSD1/A-RFM-3	6.43	VSD3/A-RFT-3	7.93	4.56	-	2.20	11820 / 29500	62 / 82	53	55	72
HCH/EW	HFT/EW	HCT/EW	80-4T-4	575/1440	-	-	7.20	VSD3/A-RFT-5.5	10.70	6.15	-	3.00	14775 / 37000	63 / 83	55	57	74
HCH/EW	HFT/EW	HCT/EW	80-4T-5.5	580/1450	-	-	9.48	VSD3/A-RFT-5.5	13.90	8.00	-	4.00	16200 / 40500	64 / 84	60	62	79
HCH/EW	HFT/EW	HCT/EW	80-6T-1	375/940	8.69	VSD1/A-RFM-1	2.41	VSD3/A-RFT-1	3.36	1.93	-	0.75	9175 / 23000	51 / 71	44	46	64
HCH/EW	HFT/EW	HCT/EW	80-6T-1.5	380/945	12.43	VSD1/A-RFM-2	3.45	VSD3/A-RFT-2	4.68	2.69	-	1.10	10455 / 26000	52 / 72	46	48	66
HCH/EW	HFT/EW	HCT/EW	80-6T-2	380/950	16.64	VSD1/A-RFM-2	4.62	VSD3/A-RFT-2	6.43	3.70	-	1.50	11880 / 29700	53 / 73	52	54	71
HCH/EW	HFT/EW	HCT/EW	80-6T-3	380/950	23.83	VSD1/A-RFM-3	6.62	VSD3/A-RFT-3	9.08	5.22	-	2.20	13400 / 33500	54 / 74	57	59	76
HCH/EW	HFT/EW	HCT/EW	90-4T-4	575/1440	-	-	7.20	VSD3/A-RFT-5.5	10.70	6.15	-	3.00	15970 / 40000	67 / 87	62	66	90
HCH/EW	HFT/EW	HCT/EW	90-4T-5.5	580/1450	-	-	9.48	VSD3/A-RFT-5.5	13.90	8.00	-	4.00	18600 / 46500	69 / 89	67	71	95
HCH/EW	HFT/EW	HCT/EW	90-4T-7.5	585/1465	-	-	12.81	VSD3/A-RFT-7.5	-	10.30	5.97	5.50	20365 / 51000	71 / 91	83	87	109
HCH/EW	HFT/EW	HCT/EW	90-4T-10	585/1465	-	-	17.32	VSD3/A-RFT-10	-	13.90	8.06	7.50	21845 / 54700	72 / 92	94	98	120
HCH/EW	HFT/EW	HCT/EW	90-6T-2	380/950	16.64	VSD1/A-RFM-2	4.62	VSD3/A-RFT-2	6.43	3.70	-	1.50	13720 / 34300	57 / 77	59	63	87
HCH/EW	HFT/EW	HCT/EW	90-6T-3	380/950	23.83	VSD1/A-RFM-3	6.62	VSD3/A-RFT-3	9.08	5.22	-	2.20	15200 / 38000	58 / 78	64	68	92
HCH/EW	HFT/EW	HCT/EW	90-6T-4	390/970	-	-	7.39	VSD3/A-RFT-5.5	12.00	6.91	-	3.00	17045 / 42400	59 / 79	88	92	114
HCH/EW	HFT/EW	HCT/EW	100-4T-7.5	585/1465	-	-	12.81	VSD3/A-RFT-7.5	-	10.30	5.97	5.50	21565 / 54000	72 / 92	91	95	121
HCH/EW	HFT/EW	HCT/EW	100-4T-10	585/1465	-	-	17.32	VSD3/A-RFT-10	-	13.90	8.06	7.50	25155 / 63000	73 / 93	102	106	131
HCH/EW	HFT/EW	HCT/EW	100-4T-15	590/1470	-	-	25.10	VSD3/A-RFT-15	-	21.40	12.40	11.00	27295 / 68000	74 / 94	125	129	160
HCH/EW	HFT/EW	HCT/EW	100-4T-20	585/1465	-	-	34.41	VSD3/A-RFT-20	-	28.70	16.60	15.00	28750 / 72000	75 / 95	144	148	179
HCH/EW	HFT/EW	HCT/EW	100-6T-3	380/950	23.83	VSD1/A-RFM-3	6.62	VSD3/A-RFT-3	9.08	5.22	-	2.20	17200 / 43000	62 / 82	72	76	103
HCH/EW	HFT/EW	HCT/EW	100-6T-4	390/970	-	-	7.39	VSD3/A-RFT-5.5	12.00	6.91	-	3.00	18895 / 47000	63 / 83	96	100	125
HCH/EW	HFT/EW	HCT/EW	100-6T-5.5	385/960	-	-	9.74	VSD3/A-RFT-5.5	15.60	8.99	-	4.00	21255 / 53000	64 / 84	104	108	133

Acoustic features at maximum speed

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 span plus the impeller's diameter, with a minimum of 1.5 m.

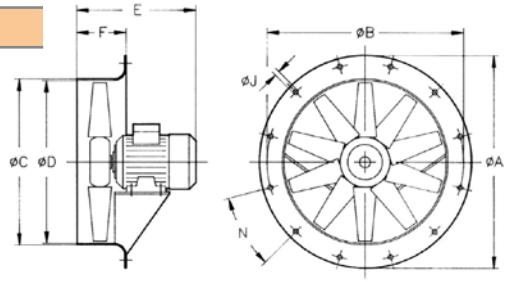
Sound power Lw(A) spectrum in dB(A) via frequency band in Hz.

Model	63	125	250	500	1000	2000	4000	8000
56-4T-0,75	47	67	75	80	82	79	72	61
56-4T-1	48	68	76	81	83	80	73	62
56-4T-1,5	49	69	77	82	84	81	74	63
63-4T-1	50	70	78	83	85	82	75	64
63-4T-1,5	51	71	79	84	86	83	76	65
63-4T-2	52	72	80	85	87	84	77	66
63-4T-3	53	73	81	86	88	85	78	67
71-4T-1,5	55	75	83	88	90	87	80	69
71-4T-2	56	76	84	89	91	88	81	70
71-4T-3	58	78	86	91	93	90	83	72
71-4T-4	59	79	87	92	94	91	84	73
71-6T-0,75	44	64	72	77	79	76	69	58
71-6T-1	45	65	73	78	80	77	70	59
71-6T-1,5	46	66	74	79	81	78	71	60
80-4T-3	59	79	87	92	94	91	84	73
80-4T-4	60	80	88	93	95	92	85	74
80-4T-5,5	61	81	89	94	96	93	86	75
80-6T-1	48	68	76	81	83	80	73	62

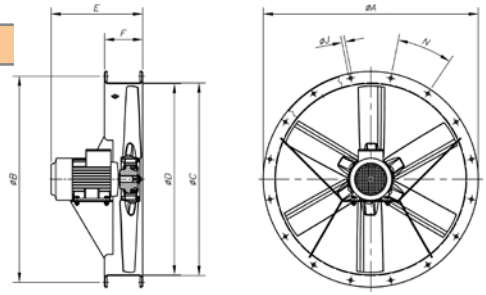
Model	63	125	250	500	1000	2000	4000	8000
80-6T-1,5	49	69	77	82	84	81	74	63
80-6T-2	50	70	78	83	85	82	75	64
80-6T-3	51	71	79	84	86	83	76	65
90-4T-4	65	86	93	98	101	97	90	79
90-4T-5,5	67	88	95	100	103	99	92	81
90-4T-7,5	69	90	97	102	105	101	94	83
90-4T-10	70	91	98	103	106	102	95	84
90-6T-2	55	76	83	88	91	87	80	69
90-6T-3	56	77	84	89	92	88	81	70
90-6T-4	57	78	85	90	93	89	82	71
100-4T-7,5	72	92	100	105	107	104	97	86
100-4T-10	73	93	101	106	108	105	98	87
100-4T-15	74	94	102	107	109	106	99	88
100-4T-20	75	95	103	108	110	107	100	89
100-6T-3	62	82	90	95	97	94	87	76
100-6T-4	63	83	91	96	98	95	88	77
100-6T-5,5	64	84	92	97	99	96	89	78

Dimensions in mm

HCH/EW



HFT/EW



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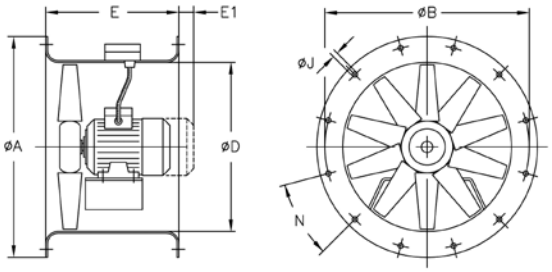
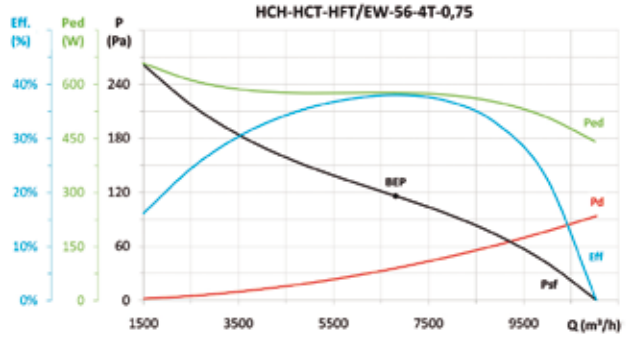
Model	**øA**	**øB**	**øC**	**øD**	**0,75**	**1**	**1,5**	**2**	**3**	**4**	**5,5**	**7,5**	**10**	**15**	**20**	**F**	**øJ**	**N**
HCH/EW-56-4T	660	620	564	560	310	310	330									120	12	12 X 30°
HCH/EW-63-4T	730	690	645	640		325	325	355	405							150	12	12 X 30°
HCH/EW-71-4T	810	770	715	710			330	350	415	415						150	12	16 X 22°30'
HCH/EW-71-6T	810	770	715	710	315	330	350									150	12	16 X 22°30'
HCH/EW-80-4T	900	860	805	800					425	425	445					180	12	16 X 22°30'
HCH/EW-80-6T	900	860	805	800		355	375	425	445							180	12	16 X 22°30'
HCH/EW-90-4T	1015	970	906	900						425	430	465	465			180	15	16 X 22°30'
HCH/EW-90-6T	1015	970	906	900				425	430	465						180	15	16 X 22°30'
HCH/EW-100-4T	1115	1070	1006	1000								480	480	590	590	200	15	16 X 22°30'
HCH/EW-100-6T	1115	1070	1006	1000					440	480	480					200	15	16 X 22°30'
HFT/EW-56-4T	660	620	564	560	344	344	376									120	12	12 X 30°
HFT/EW-56-6T	660	620	564	560												120	12	12 X 30°
HFT/EW-63-4T	730	690	645	640		325	398	398	430	430						120	12	12 X 30°
HFT/EW-63-6T	730	690	645	640	325	398										120	12	12 X 30°
HFT/EW-71-4T	810	770	715	710			400	400	440	440						150	12	16 X 22°30'
HFT/EW-71-6T	810	770	715	710	325	400	400									150	12	16 X 22°30'
HFT/EW-80-4T	900	860	805	800					425	425	445					180	12	16 X 22°30'
HFT/EW-80-6T	900	860	805	800		390	390	425	445							180	12	16 X 22°30'
HFT/EW-90-4T	1015	970	906	900						430	440	470	470			180	15	16 X 22°30'
HFT/EW-90-6T	1015	970	906	900				430	440	470						180	15	16 X 22°30'
HFT/EW-100-4T	1115	1070	1006	1000								485	485	590	590	200	15	16 X 22°30'
HFT/EW-100-6T	1115	1070	1006	1000					440	485	485					200	15	16 X 22°30'

HCT/EW



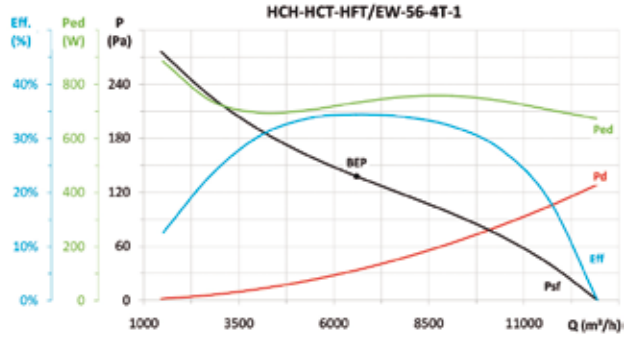
Model	**ØA**	**ØB**	**ØD**	**E**	**ØJ**	**N**
HCT/EW-56	660	620	560	400	12	12x30°
HCT/EW-63	730	690	640	430	12	12x30°
HCT/EW-71	810	770	710	500	12	16x22°30'
HCT/EW-80	900	860	800	500	12	16x22°30'
HCT/EW-90	1015	970	900	500	15	16x22°30'
HCT/EW-100	1115	1070	1000	550	15	16x22°30'
HCT/EW-100-4T-15	1115	1070	1000	650	15	16x22°30'
HCT/EW-100-4T-20	1115	1070	1000	650	15	16x22°30'

Erp. Characteristic curves and ErP data



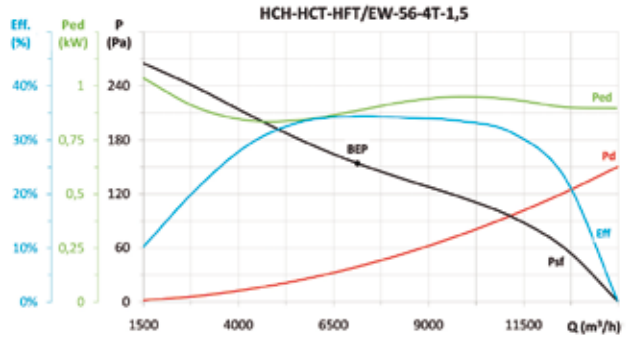
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,10	41,9%	49,8	0,577	6808	115,8	1437	NECESSARY

*ηe (%) = Eff. (%) x Cc



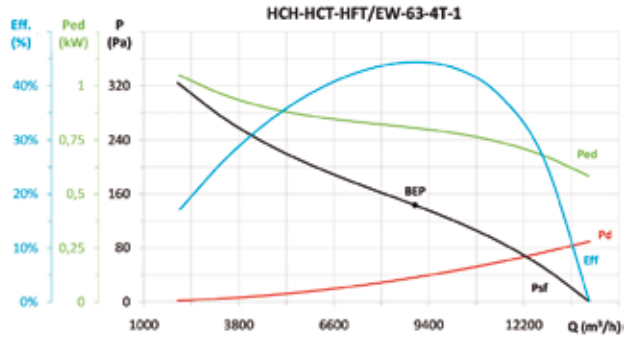
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,10	37,8%	45,0	0,732	6599	137,7	1436	NECESSARY

*ηe (%) = Eff. (%) x Cc



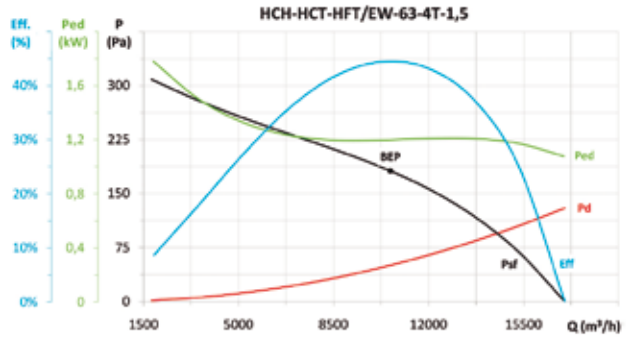
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,09	37,5%	44,2	0,886	7130	153,9	1453	NECESSARY

*ηe (%) = Eff. (%) x Cc



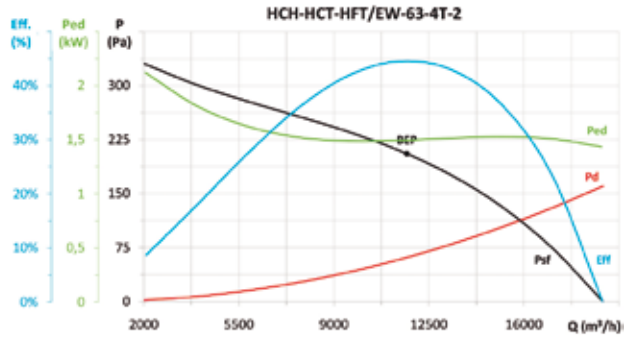
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,09	48,5%	55,5	0,806	8989	143,3	1433	NECESSARY

*ηe (%) = Eff. (%) x Cc



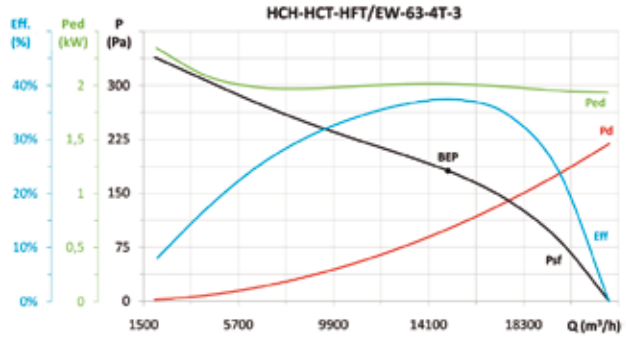
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,08	48,1%	54,0	1,200	10593	181,5	1460	NECESSARY

*ηe (%) = Eff. (%) x Cc



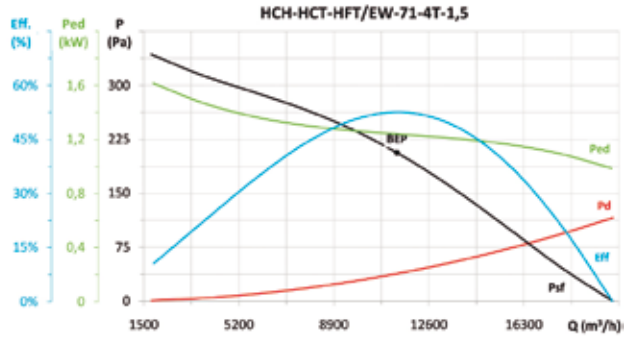
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,08	47,9%	53,1	1,496	11688	205,4	1451	NECESSARY

*ηe (%) = Eff. (%) x Cc



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,07	39,8%	44,3	2,014	14963	181,1	1448	NECESSARY

*ηe (%) = Eff. (%) x Cc

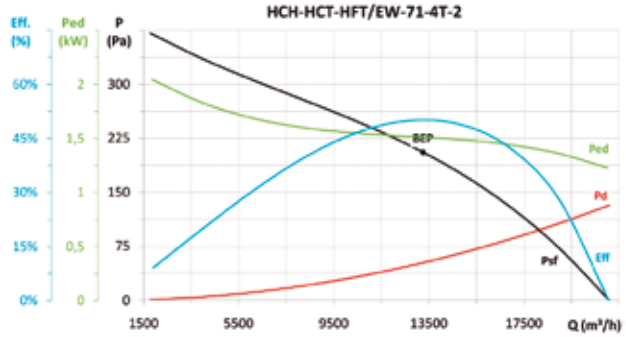


MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,08	56,8%	62,5	1,239	11355	206,4	1459	NECESSARY

*ηe (%) = Eff. (%) x Cc

Erp. Characteristic curves and ErP data

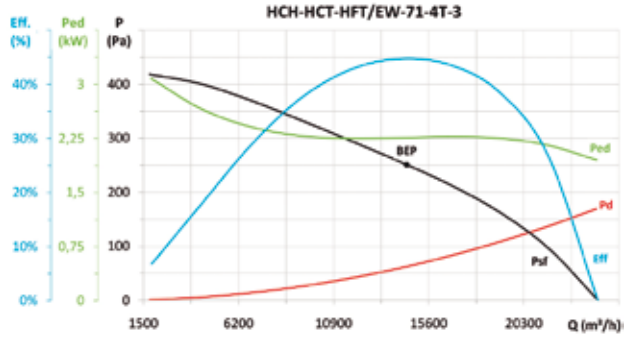
HCH-HCT-HFT/EW-71-4T-2



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,08	53,8%	59,0	1,511	13256	205,5	1450	NECESSARY

*ηe (%) = Eff. (%) x Cc

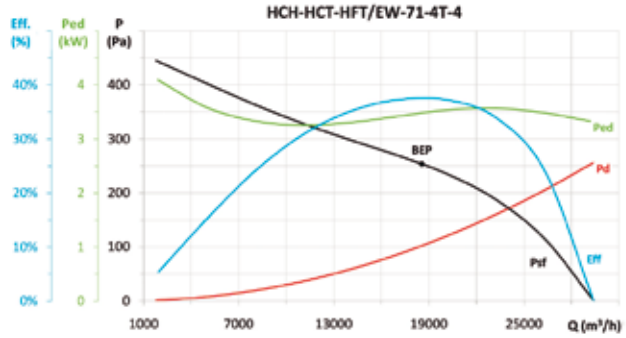
HCH-HCT-HFT/EW-71-4T-3



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,06	47,6%	51,7	2,260	14513	251,0	1445	NECESSARY

*ηe (%) = Eff. (%) x Cc

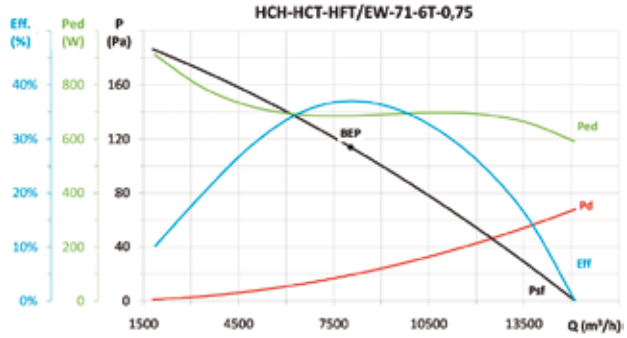
HCH-HCT-HFT/EW-71-4T-4



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,05	39,4%	42,3	3,482	18556	253,6	1442	NECESSARY

*ηe (%) = Eff. (%) x Cc

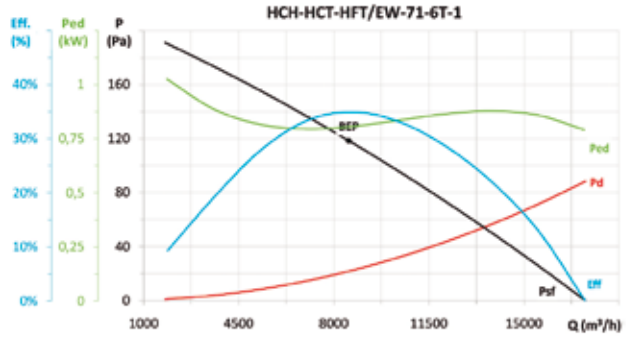
HCH-HCT-HFT/EW-71-6T-0,75



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,10	40,7%	48,0	0,686	8036	113,8	935	NECESSARY

*ηe (%) = Eff. (%) x Cc

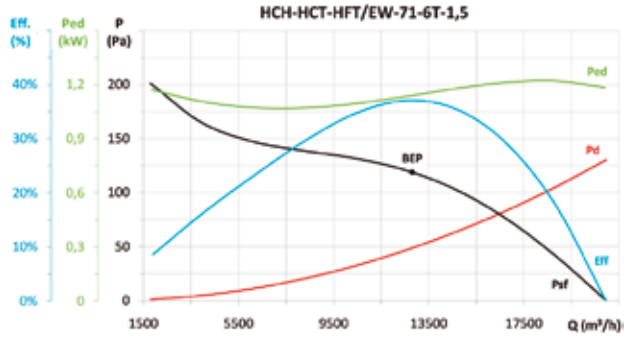
HCH-HCT-HFT/EW-71-6T-1



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,09	38,2%	45,1	0,805	8550	118,5	952	NECESSARY

*ηe (%) = Eff. (%) x Cc

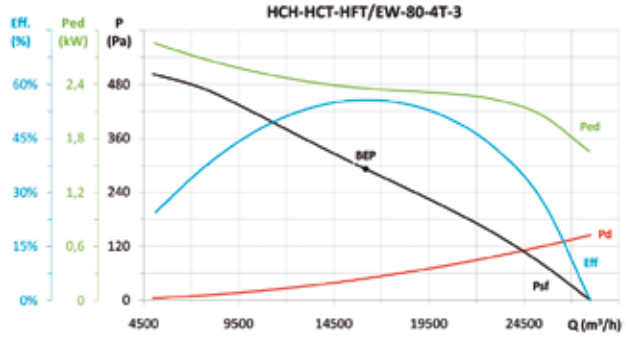
HCH-HCT-HFT/EW-71-6T-1,5



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,08	40,2%	46,1	1,140	12806	118,8	956	NECESSARY

*ηe (%) = Eff. (%) x Cc

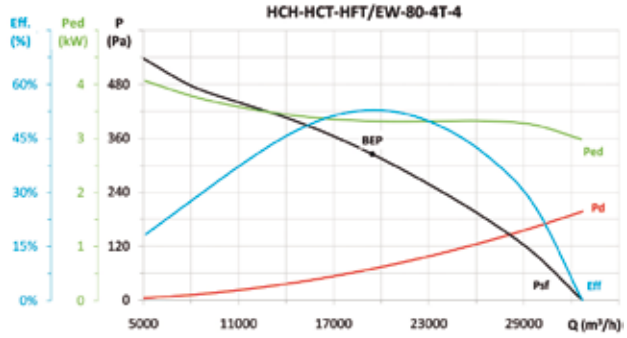
HCH-HCT-HFT/EW-80-4T-3



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,06	59,1%	63,0	2,355	16178	291,7	1442	NECESSARY

*ηe (%) = Eff. (%) x Cc

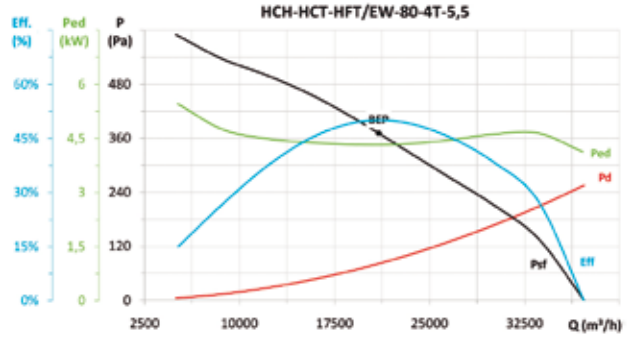
HCH-HCT-HFT/EW-80-4T-4



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,05	55,5%	58,6	3,319	19442	324,8	1445	NECESSARY

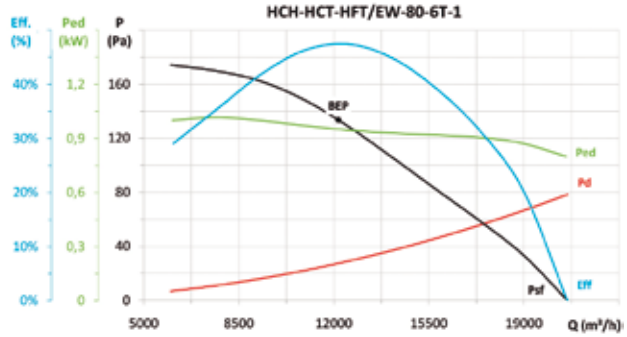
*ηe (%) = Eff. (%) x Cc

Erp. Characteristic curves and ErP data



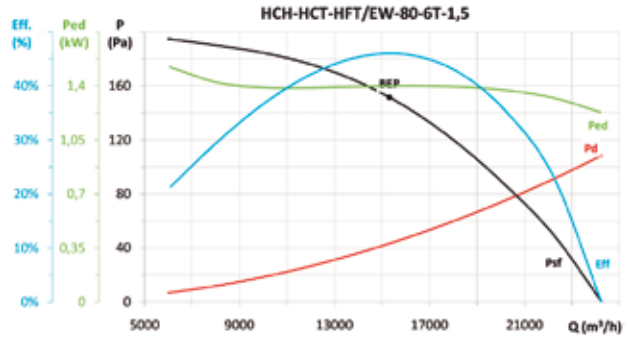
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,04	52,2%	54,5	4,324	20980	371,3	1454	NECESSARY

*ηe (%) = Eff. (%) x Cc



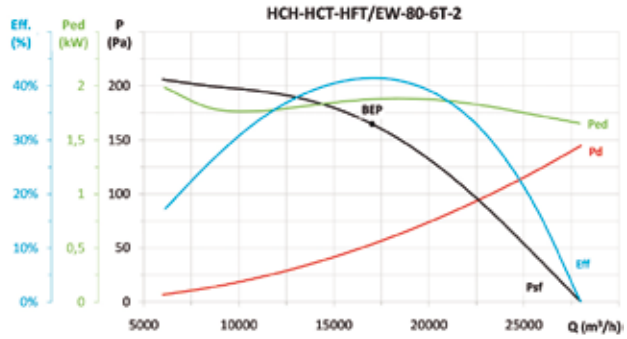
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,09	51,7%	58,2	0,950	12168	133,6	943	NECESSARY

*ηe (%) = Eff. (%) x Cc



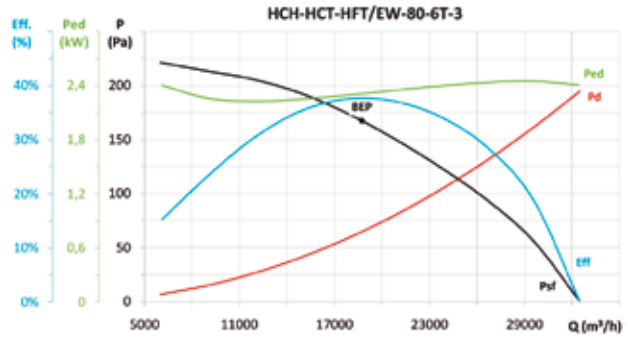
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,08	49,6%	55,0	1,400	15312	151,5	946	NECESSARY

*ηe (%) = Eff. (%) x Cc



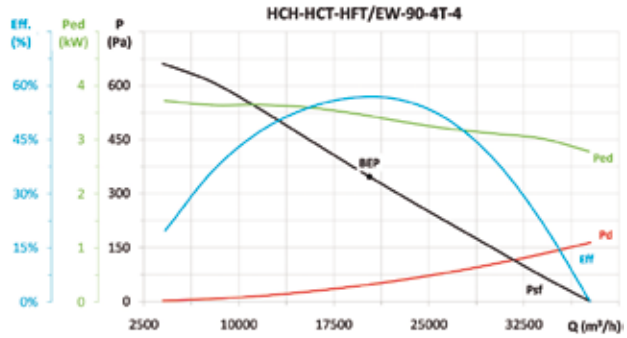
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,07	44,3%	48,9	1,878	17013	164,7	951	NECESSARY

*ηe (%) = Eff. (%) x Cc



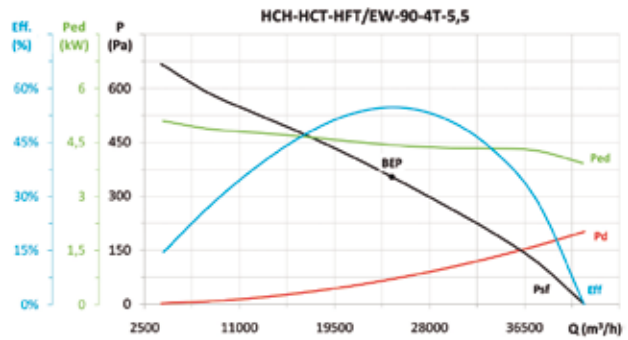
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,06	40,0%	44,1	2,310	18724	167,5	955	NECESSARY

*ηe (%) = Eff. (%) x Cc



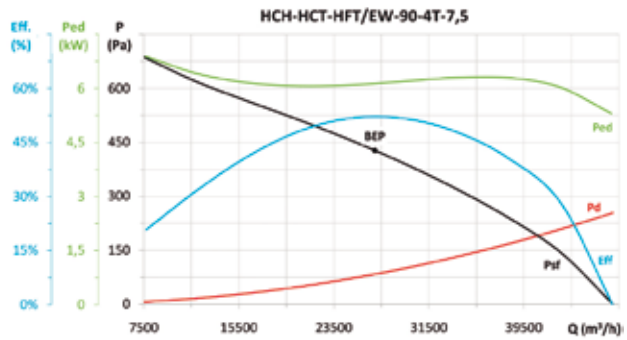
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,05	59,7%	62,7	3,438	20308	346,8	1443	NECESSARY

*ηe (%) = Eff. (%) x Cc



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,04	57,0%	59,3	4,425	24635	353,7	1453	NECESSARY

*ηe (%) = Eff. (%) x Cc

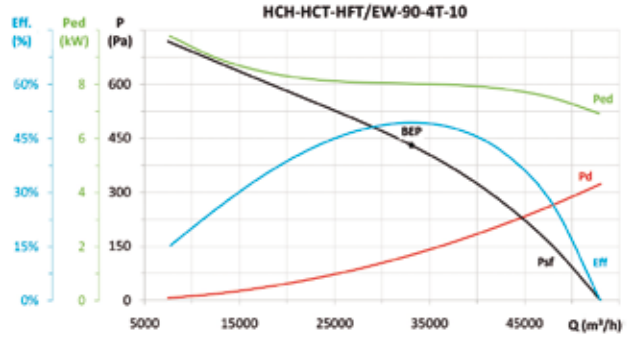


MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,04	54,2%	55,6	6,132	26945	427,3	1466	NECESSARY

*ηe (%) = Eff. (%) x Cc

Erp. Characteristic curves and ErP data

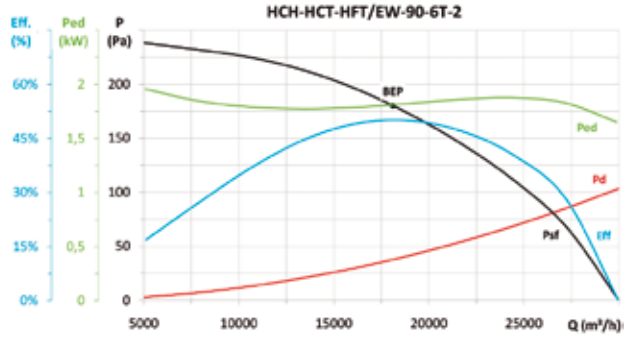
HCH-HCT-HFT/EW-90-4T-10



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,04	51,3%	51,9	8,025	33102	430,6	1467	NECESSARY

*ηe (%) = Eff. (%) x Cc

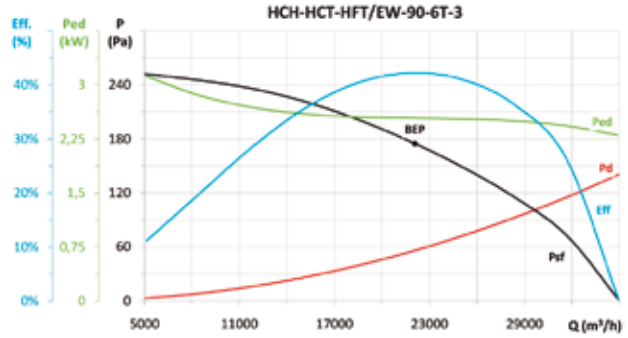
HCH-HCT-HFT/EW-90-6T-2



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,07	53,5%	58,3	1,810	18106	180,2	953	NECESSARY

*ηe (%) = Eff. (%) x Cc

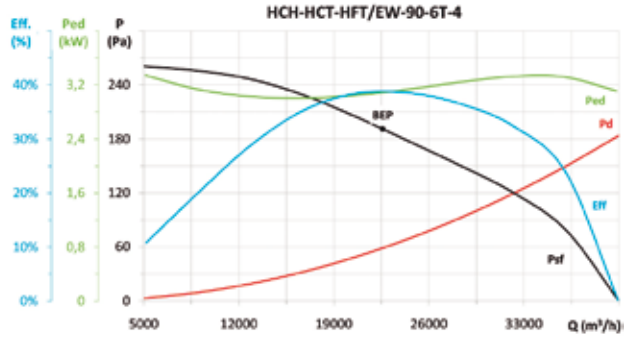
HCH-HCT-HFT/EW-90-6T-3



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,06	44,7%	48,5	2,539	22079	174,8	954	NECESSARY

*ηe (%) = Eff. (%) x Cc

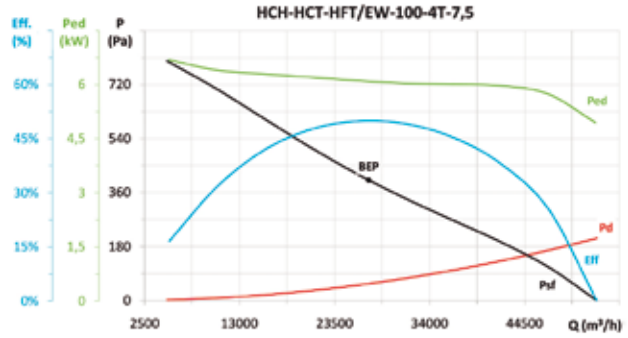
HCH-HCT-HFT/EW-90-6T-4



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,05	40,9%	44,1	3,087	22590	191,0	974	NECESSARY

*ηe (%) = Eff. (%) x Cc

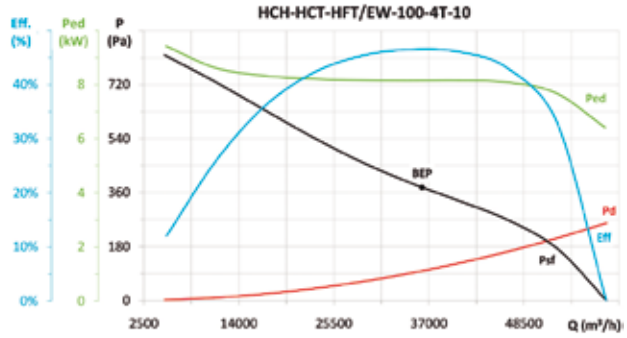
HCH-HCT-HFT/EW-100-4T-7,5



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,04	51,9%	53,3	6,092	27281	401,7	1467	NECESSARY

*ηe (%) = Eff. (%) x Cc

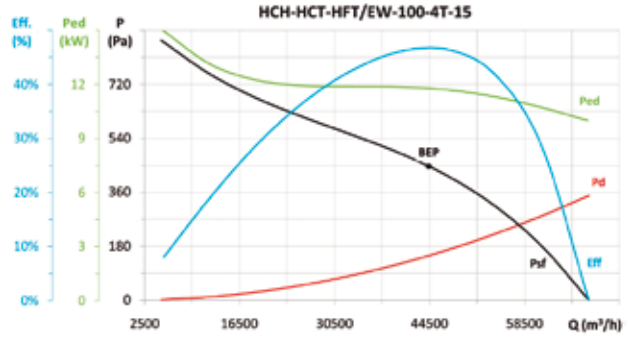
HCH-HCT-HFT/EW-100-4T-10



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,04	48,4%	49,0	8,145	36164	377,5	1467	NECESSARY

*ηe (%) = Eff. (%) x Cc

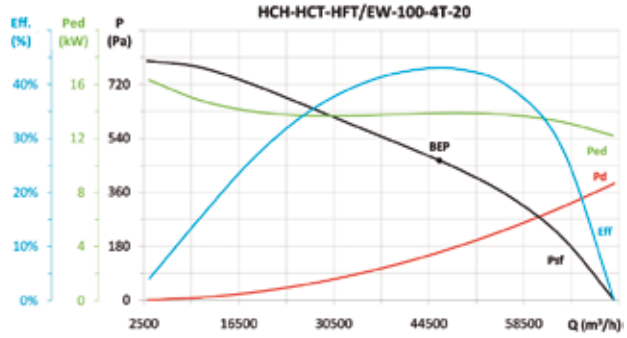
HCH-HCT-HFT/EW-100-4T-15



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,04	48,6%	48,5	11,781	44388	446,6	1472	NECESSARY

*ηe (%) = Eff. (%) x Cc

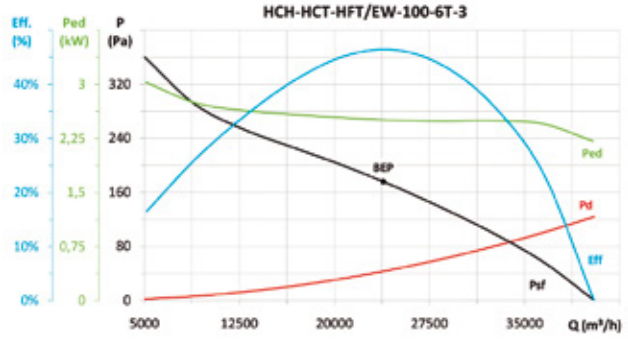
HCH-HCT-HFT/EW-100-4T-20



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,01	1,04	44,7%	44,5	13,862	46050	465,9	1472	NECESSARY

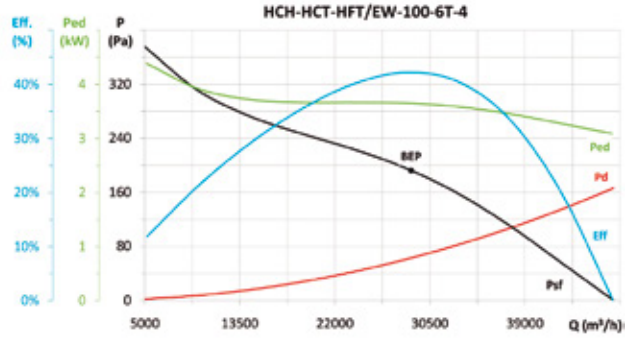
*ηe (%) = Eff. (%) x Cc

Erp. Characteristic curves and ErP data



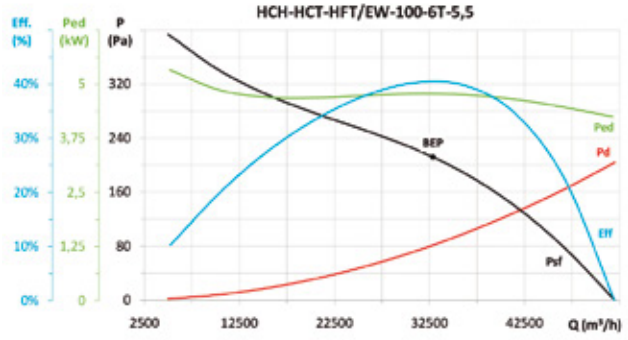
MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,06	49,2%	53,0	2,508	23849	175,8	954	NECESSARY

*ηe (%) = Eff. (%) x Cc



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,05	44,2%	47,0	3,650	28826	192,4	970	NECESSARY

*ηe (%) = Eff. (%) x Cc



MC	EC	SR	Cc	η_e (%)*	N	[kW]	[m³/h]	[Pa]	[rpm]	VSD
A	S	1,00	1,04	42,1%	44,1	4,780	32856	212,0	961	NECESSARY

*ηe (%) = Eff. (%) x Cc

Accessories

See accessories section.


INT


VSD1/A-RFM
VSD3/A-RFT


AET


PL


P


PT/H


R


RI


RT


BTUB


BAC


PS


S


PV


CONTROL UNITS
AND SENSORS