



HRE HCRE

**HRE: Circular axial fans
with external rotor motor**
HCRE: Wall-mounted axial fans

Wall-mounted axial fans with support and blades in sheet steel, especially designed to obtain high energy efficiency.



HRE



HCRE

Fan:

- HRE: Support ring in sheet steel
- HCRE: Sheet steel base plate.
- Protection guard to prevent contacts according to standard UNE-EN ISO 12499:2010
- Sheet steel impeller
- Airflow direction from protection guard to impeller

Motor:

- Class F and B motors, with ball bearings, IP-54 protection
- High-efficiency external rotor motors
- Single-phase 230V.50Hz. and three-phase 400V.50Hz.
- Fan working temperature: -30°C +60°C

Finish:

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

Order code

HCRE — 63 — 6T

HRE: Circular axial fans with external rotor motor
HCRE: Wall-mounted axial fans with external rotor motor

Impeller diameter in cm.

Number of motor poles
2=2900 r/min. 50 Hz
4=1400 r/min. 50 Hz
6=900 r/min. 50 Hz
8=750 r/min. 50 Hz

T=Three-phase
M=Single-phase

Technical characteristics

Model	Speed (r/min)	Max. current admissible (A)		Max. electric power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V				
HRE-25-2T	2430		0.18	0.090	1330	56	3.0
HRE-25-2M	2480	0.45		0.100	1330	56	3.0
HRE-25-4T	1400		0.18	0.060	750	53	3.0
HRE-25-4M	1400	0.25		0.050	750	53	3.0
HRE-31-2T	2500		0.25	0.115	1850	59	3.3
HRE-31-2M	2400	0.55		0.125	1850	58	3.3
HRE-31-4T	1380		0.25	0.090	1400	54	3.3
HRE-31-4M	1350	0.42		0.090	1400	54	3.3
HRE-35-4T	1360		0.30	0.140	2670	58	5.0
HRE-35-4M	1380	0.60		0.140	2670	58	5.0

Technical characteristics

Model	Speed (r/min)	Max. current admissible (A)		Max. absorbed power (W)	Maximum airflow (m³/h)	Approx. weight (Kg)
		230V	400V			
HCRE 40-4T	1370	-	0.50	190	3800	6.0
HCRE 40-4M	1350	0.90	-	190	3800	6.0
HCRE 45-4T	1380	-	0.65	290	4500	7.5
HCRE 45-4M	1350	1.10	-	300	4500	7.5
HCRE 45-6T	910	-	0.18	165	2800	7.5
HCRE 50-4T	1350	-	0.85	420	6250	10
HCRE 50-4M	1320	2.00	-	420	6250	10
HCRE 50-6T	920	-	0.62	220	4320	10
HCRE 50-6M	920	1.10	-	220	4320	10
HCRE 56-4T	1330	-	1.10	550	7500	10.5
HCRE 56-4M	1300	2.50	-	530	7500	10.5
HCRE 56-6T	910	-	0.85	320	6500	10.5
HCRE 56-6M	910	1.50	-	320	6500	10.5
HCRE 63-4T	1350	-	1.60	850	10800	15.4
HCRE 63-4M	1360	3.70	-	800	10800	15.4
HCRE 63-6T	900	-	1.40	550	9300	15.4
HCRE 63-6M	900	2.50	-	520	9300	15.4
HCRE 71-6T	910	-	2.00	1100	15500	25



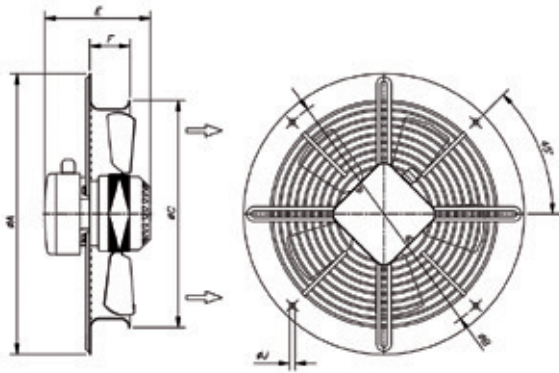
Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ne[%]	Efficiency
EC	Efficiency category	N	Degree of efficiency
S	Static	[kW]	Electrical power
T	Total	[m³/h]	Airflow
VSD	Variable-speed drive	[mmH₂O]	Static or total pressure (According to EC)
SR	Specific relationship	[RPM]	Speed

Model	MC	EC	VSD	SR	ne [%]	N	[kW]	[m3/h]	[mmH ₂ O]	[RPM]
HRE-25-4T	A	S	-	-	-	-	0.061	621	6.37	1434
HRE-25-4M	A	S	-	-	-	-	0.064	587	6.85	1431
HRE-31-2T	A	S	NO	1.00	30.8%	41.7	0.185	1500	13.90	2719
HRE-31-2M	A	S	NO	1.00	26.9%	37.5	0.210	1527	13.57	2681
HRE-31-4T	A	S	-	-	-	-	0.098	933	7.69	1344
HRE-31-4M	A	S	-	-	-	-	0.077	608	13.48	1377
HRE-35-4T	A	S	-	-	-	-	0.116	1309	8.09	1389
HRE-35-4M	A	S	-	-	-	-	0.120	1317	8.03	1385
HCRE-40-4T	A	S	NO	1.00	26.2%	38.1	0.127	2437	5.00	1413
HCRE-40-4M	A	S	NO	1.00	24.9%	36.8	0.133	2384	5.12	1395
HCRE-45-4T	A	S	NO	1.00	28.8%	38.7	0.270	2709	10.52	1388
HCRE-45-4M	A	S	NO	1.00	27.0%	36.7	0.287	2642	10.76	1356
HCRE-45-6T	A	S	NO	1.00	25.6%	37.5	0.131	2210	5.60	928
HCRE-50-4T	A	S	NO	1.00	34.4%	44.5	0.258	3886	8.37	1408
HCRE-50-4M	A	S	NO	1.00	31.9%	41.8	0.278	3810	8.54	1381
HCRE-50-6T	A	S	NO	1.00	27.9%	39.5	0.144	2416	6.12	948
HCRE-50-6M	A	S	NO	1.00	25.6%	37.0	0.157	2337	6.32	943
HCRE-56-4T	A	S	NO	1.00	30.4%	39.4	0.378	5010	8.42	1383
HCRE-56-6T	A	S	NO	1.00	29.4%	39.4	0.268	4231	6.83	925
HCRE-56-6M	A	S	NO	1.00	27.1%	36.8	0.291	4090	7.06	918
HCRE-63-4T	C	S	NO	1.00	31.8%	39.2	0.667	6835	11.39	1382
HCRE-63-6T	C	S	NO	1.00	31.2%	39.4	0.500	5853	9.77	909
HCRE-63-6M	C	S	NO	1.00	30.7%	38.9	0.507	5767	9.92	902
HCRE-71-6T	C	S	NO	1.00	35.4%	41.9	0.917	9846	12.08	925

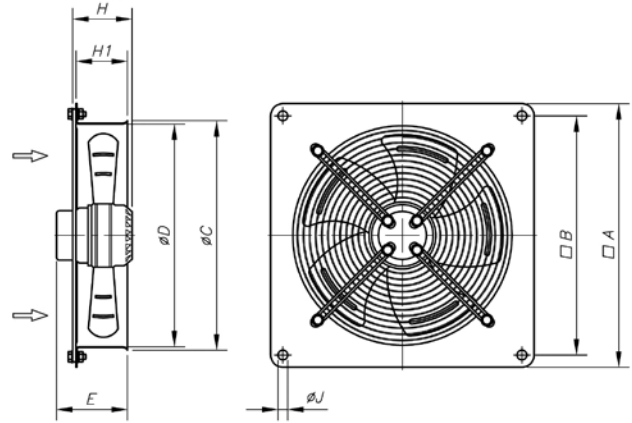
Dimensions in mm

HRE



Model	ØA	ØB	ØC	E	F	ØJ
HRE-25-2T	346	320	280	135	50	7
HRE-25-2M	346	320	280	135	50	7
HRE-25-4T	346	320	280	135	50	7
HRE-25-4M	346	320	280	135	50	7
HRE-31-2T	395	360	338	146	63	10
HRE-31-2M	395	360	338	146	63	10
HRE-31-4T	395	360	338	146	63	10
HRE-31-4M	395	360	338	146	63	10
HRE-35-4T	460	420	383	175	65	10
HRE-35-4M	460	420	383	175	65	10

HCRE

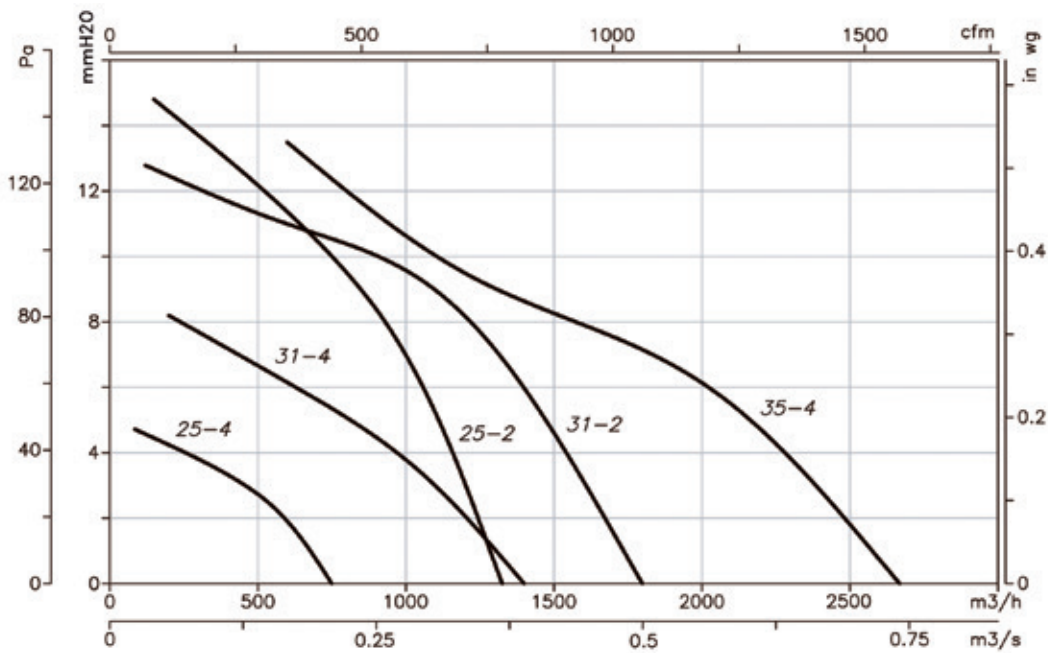


Model	A	B	ØC	ØD	E	H	H1	ØJ
HCRE-40	540	490	430	410	172	-	83	10
HCRE-45	575	520	480	460	185	-	90	10
HCRE-50	665	615	630	510	189	-	106	10
HCRE-56	725	670	570	560	203	-	106	10
HCRE-63	805	750	665	645	225	-	110	10
HCRE-71	850	810	755	725	-	235	-	10

Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

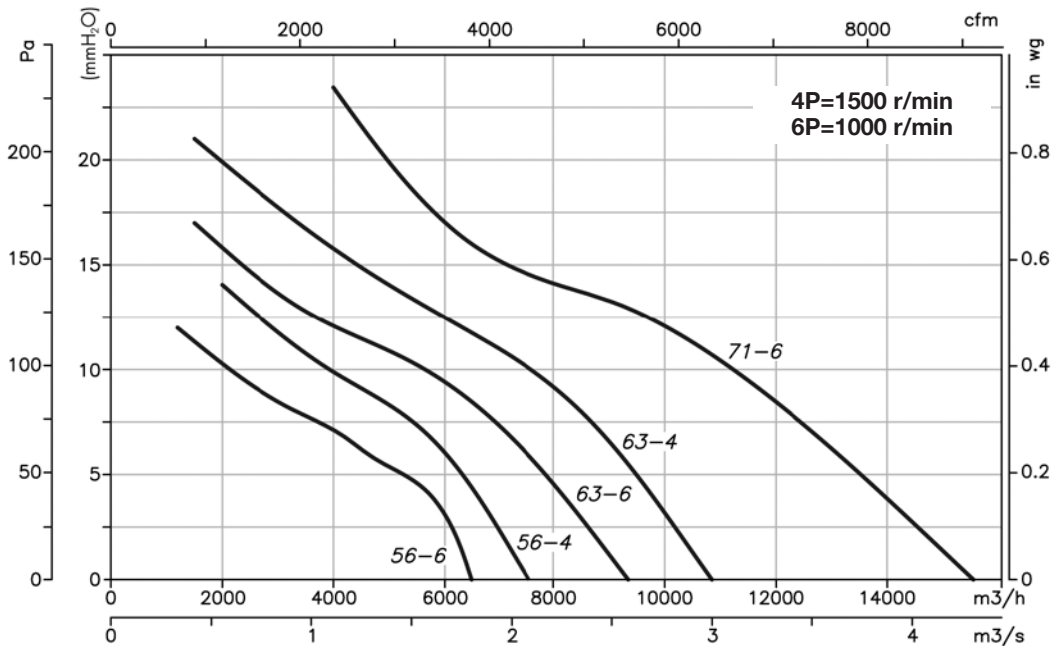
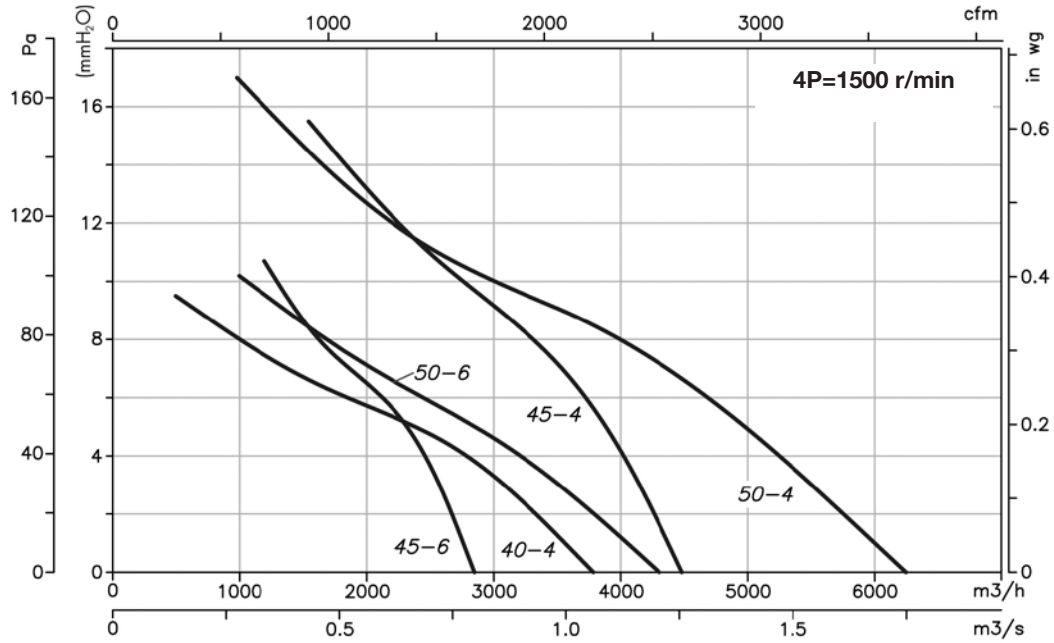
Pe = Static pressure in mmH₂O, Pa and inwg.



Characteristic curves

Q = Airflow in m³/h, m³/s and cfm.

Pe= Static pressure in mmH₂O, Pa and inwg.



Accessories

See accessories section.

