

ECODESIGN INFORMATION

According to Regulation EU No 327/2011 of the European Commission, implementing Directive 2009/125/CE of European Parliament
Apply to fans

ErP: Performance at the best efficiency point (BEP).

MC	Measurement category
EC	Efficiency category
	S Static
	T Total
VSD	Variable Speed Drive
SR	Specific ratio

η_e [%]	Efficiency
N	Efficiency grade
[kW]	Input power
[m³/h]	Flowrate
[Pa]	Static pressure or total (depending on EC)
[RPM]	Rotation per minute

Model	MC	EC	VSD	SR	η_e [%]	N	[kW]	[m ³ /h]	[Pa]	[RPM]
HCT-25-2T/PL	A	Static	VSD not necessary	1.00	28.8	40.3	0.148	1196	128.00	2691
HCT-25-4T/PL	ErP Exclude. Pe < 125 W									
HCT-25-4M/PL	ErP Exclude. Pe < 125 W									
HCT-31-2T/PL	A	Static	VSD not necessary	1.00	30.2	40.5	0.243	1708	155.00	2781
HCT-31-4T/PL	ErP Exclude. Pe < 125 W									
HCT-31-4M/PL	ErP Exclude. Pe < 125 W									
HCT-35-2T/PL	A	Static	VSD not necessary	1.00	37.1	45.2	0.520	2998	229.00	2737
HCT-35-2M/PL	A	Static	VSD not necessary	1.00	36.5	44.6	0.520	2983	231.00	2791
HCT-35-4T/PL	A	Static	VSD not necessary	1.00	28.0	40.1	0.125	1857	68.00	1375
HCT-35-4M/PL	A	Static	VSD not necessary	1.00	28.0	40.1	0.125	1857	68.00	1422
HCT-40-4T-0.33/PL	A	Static	VSD not necessary	1.00	32.0	41.7	0.290	3401	98.00	1396
HCT-45-4T-0.5/PL	A	Static	VSD not necessary	1.00	33.4	41.8	0.470	4228	135.00	1392
HCT-45-4M-0.5/PL	A	Static	VSD not necessary	1.00	32.3	40.5	0.493	4228	135.00	1417
HCT-50-4T-0.75/PL	A	Static	VSD not necessary	1.00	32.4	40.2	0.590	3719	185.00	1415
HCT-56-4T-0.75/PL	A	Static	VSD not necessary	1.00	33.2	40.6	0.660	6808	116.00	1405
HCT-56-4M-0.75/PL	A	Static	VSD not necessary	1.00	32.7	40.1	0.670	6622	119.00	1422
HCT-56-4T-1/PL IE3	A	Static	VSD not necessary	1.00	34.7	41.9	0.728	6599	138.00	1436
HCT-56-4/8T-1/PL	B	Total	VSD not necessary	1.00	57.3	64.2	0.812	12701	132.00	1448
HCT-56-4T-1.5/PL IE3	B	Total	VSD not necessary	1.00	66.6	73.1	0.947	12945	175.00	1467
HCT-56-4/8T-1.5/PL	B	Total	VSD not necessary	1.00	54.8	60.8	1.150	12945	175.00	1456
HCT-56-4T-2/PL IE3	B	Total	VSD not necessary	1.00	53.8	59.0	1.525	13761	215.00	1447
HCT-56-6T-0.33/PL	A	Static	VSD not necessary	1.00	31.4	41.7	0.240	3564	75.00	943
HCT-63-4T-1/PL IE3	C	Static	VSD not necessary	1.00	47.3	54.3	0.757	8989	143.00	1433
HCT-63-4/8T-1/PL	C	Static	VSD not necessary	1.00	38.2	44.7	0.940	8924	145.00	1440
HCT-63-4T-1.5/PL IE3	C	Static	VSD not necessary	1.00	47.0	52.9	1.137	10593	181.00	1460
HCT-63-4/8T-1.5/PL	C	Static	VSD not necessary	1.00	41.4	47.1	1.290	10448	184.00	1451
HCT-63-4T-2/PL IE3	C	Static	VSD not necessary	1.00	47.0	52.4	1.418	11688	205.00	1451
HCT-63-4/8T-2/PL	C	Static	VSD not necessary	1.00	38.4	43.2	1.730	11566	207.00	1433
HCT-63-4T-3/PL IE3	C	Static	VSD not necessary	1.00	36.9	41.3	2.040	14963	181.00	1448
HCT-63-4/8T-3/PL	B	Total	VSD not necessary	1.00	63.0	67.1	2.285	20208	256.00	1445
HCT-63-4T-4/PL IE3	B	Total	VSD not necessary	1.00	66.8	69.8	3.311	23293	342.00	1442
HCT-63-4/8T-4/PL	B	Total	VSD not necessary	1.00	59.2	61.9	3.735	23293	342.00	1432
HCT-63-6T-0.5/PL	C	Static	VSD not necessary	1.00	32.7	41.1	0.470	6417	87.00	921
HCT-63-6M-0.5/PL	C	Static	VSD not necessary	1.00	32.2	40.6	0.480	6339	88.00	915
HCT-63-6T-0.75/PL	C	Static	VSD not necessary	1.00	32.6	40.6	0.550	6936	93.00	933
HCT-71-4T-1.5/PL IE3	C	Static	VSD not necessary	1.00	55.3	61.2	1.177	11355	206.00	1459
HCT-71-4/8T-1.5/PL	C	Static	VSD not necessary	1.00	45.1	50.4	1.410	11393	201.00	1446
HCT-71-4T-2/PL IE3	C	Static	VSD not necessary	1.00	52.4	57.7	1.445	13256	205.00	1450
HCT-71-4/8T-2/PL	C	Static	VSD not necessary	1.00	43.7	48.5	1.730	13141	207.00	1433
HCT-71-4T-3/PL IE3	C	Static	VSD not necessary	1.00	47.0	51.3	2.152	14513	251.00	1445
HCT-71-4/8T-3/PL	C	Static	VSD not necessary	1.00	41.7	45.6	2.480	14275	261.00	1441
HCT-71-4T-4/PL IE3	C	Static	VSD not necessary	1.00	39.5	42.6	3.313	18688	252.00	1442
HCT-71-4/8T-4/PL	C	Static	VSD not necessary	1.00	37.5	40.4	3.530	18165	263.00	1436
HCT-71-6T-0.75/PL	C	Static	VSD not necessary	1.00	35.7	43.0	0.710	8036	114.00	913

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EC	Efficiency category
	S Static
	T Total
VSD	Variable Speed Drive
SR	Specific ratio

η_e [%]	Efficiency
N	Efficiency grade
[kW]	Input power
[m ³ /h]	Flowrate
[Pa]	Static pressure or total (depending on EC)
[RPM]	Rotation per minute

Model	MC	EC	VSD	SR	η_e [%]	N	[kW]	[m ³ /h]	[Pa]	[RPM]
HCT-71-6M-0.75/PL	C	Static	VSD not necessary	1.00	33.6	40.7	0.760	7945	115.00	908
HCT-71-6T-1/PL IE3	C	Static	VSD not necessary	1.00	36.6	43.7	0.769	8550	118.00	951
HCT-71-6T-1.5/PL IE3	C	Static	VSD not necessary	1.00	39.2	45.3	1.080	12806	119.00	956
HCT-80-4T-3/PL IE3	C	Static	VSD not necessary	1.00	58.6	62.7	2.237	16178	292.00	1442
HCT-80-4/8T-3/PL	C	Static	VSD not necessary	1.00	50.1	53.8	2.620	15754	300.00	1437
HCT-80-4T-4/PL IE3	C	Static	VSD not necessary	1.00	55.6	58.8	3.156	19442	325.00	1444
HCT-80-4/8T-4/PL	C	Static	VSD not necessary	1.00	50.1	53.0	3.500	19059	331.00	1437
HCT-80-4T-5.5/PL IE3	C	Static	VSD not necessary	1.00	52.6	55.1	4.112	20980	371.00	1454
HCT-80-4/8T-5.5/PL	C	Static	VSD not necessary	1.00	50.0	52.3	4.320	20666	377.00	1437
HCT-80-6T-1/PL IE3	C	Static	VSD not necessary	1.00	49.9	56.5	0.904	12168	134.00	943
HCT-80-6T-1.5/PL IE3	C	Static	VSD not necessary	1.00	48.3	53.9	1.333	15312	152.00	946
HCT-80-6T-2/PL IE3	C	Static	VSD not necessary	1.00	43.8	48.6	1.773	16826	166.00	951
HCT-80-6T-3/PL IE3	C	Static	VSD not necessary	1.00	37.6	41.6	2.318	18762	167.00	955
HCT-90-4T-4/PL IE3	C	Static	VSD not necessary	1.00	59.9	63.0	3.266	20308	347.00	1443
HCT-90-4/8T-4/PL	C	Static	VSD not necessary	1.00	53.2	55.9	3.680	20152	350.00	1433
HCT-90-4T-5.5/PL IE3	C	Static	VSD not necessary	1.00	57.5	59.9	4.209	24635	354.00	1453
HCT-90-4/8T-5.5/PL	C	Static	VSD not necessary	1.00	53.9	56.1	4.490	24524	355.00	1435
HCT-90-4T-7.5/PL IE3	C	Static	VSD not necessary	1.01	55.1	56.6	5.806	26945	427.00	1466
HCT-90-4/8T-7.5/PL	C	Static	VSD not necessary	1.01	47.6	48.7	6.700	26824	429.00	1452
HCT-90-4T-10/PL IE3	C	Static	VSD not necessary	1.01	52.2	53.0	7.582	33102	430.00	1467
HCT-90-4/8T-10/PL	C	Static	VSD not necessary	1.01	46.3	46.7	8.550	32957	432.00	1463
HCT-90-6T-2/PL IE3	C	Static	VSD not necessary	1.00	53.0	57.9	1.709	18106	180.00	953
HCT-90-6T-3/PL IE3	C	Static	VSD not necessary	1.00	44.7	48.7	2.396	22079	175.00	954
HCT-90-6T-4/PL IE3	C	Static	VSD not necessary	1.00	39.7	43.0	3.019	22590	191.00	974
HCT-100-4T-7.5/PL IE3	C	Static	VSD not necessary	1.00	52.8	54.3	5.768	27281	402.00	1467
HCT-100-4/8T-7.5/PL	C	Static	VSD not necessary	1.00	45.7	46.8	6.660	27102	404.00	1452
HCT-100-4T-10/PL IE3	C	Static	VSD not necessary	1.00	49.3	50.1	7.688	36164	377.00	1467
HCT-100-4/8T-10/PL	C	Static	VSD not necessary	1.00	43.0	43.3	8.820	35646	383.00	1465
HCT-100-6T-3/PL IE3	C	Static	VSD not necessary	1.00	49.2	53.1	2.368	23849	176.00	954
HCT-100-6T-4/PL IE3	C	Static	VSD not necessary	1.00	44.7	47.6	3.451	28766	193.00	970
HCT-100-6T-5.5/PL IE3	C	Static	VSD not necessary	1.00	42.7	44.9	4.530	32856	212.00	961
HCT-25-2T/AL	A	Static	VSD not necessary	1.00	28.8	40.3	0.148	1196	128.00	2691
HCT-25-4T/AL										
HCT-25-4M/AL										
HCT-31-2T/AL	A	Static	VSD not necessary	1.00	30.2	40.5	0.243	1708	155.00	2781
HCT-31-4T/AL										
HCT-31-4M/AL										
HCT-35-2T/AL	A	Static	VSD not necessary	1.00	37.1	45.2	0.520	2998	229.00	2737
HCT-35-2M/AL	A	Static	VSD not necessary	1.00	36.5	44.6	0.520	2983	231.00	2791
HCT-35-4T/AL	A	Static	VSD not necessary	1.00	28.0	40.1	0.125	1857	68.00	1375
HCT-35-4M/AL	A	Static	VSD not necessary	1.00	28.0	40.1	0.125	1857	68.00	1422
HCT-40-2T-1.5/AL IE3	A	Static	VSD not necessary	1.00	35.7	42.0	0.980	4355	289.00	2873
HCT-40-4T-0.33/AL	A	Static	VSD not necessary	1.00	32.0	41.7	0.290	3401	98.00	1396
HCT-45-2T-2/AL IE3	A	Static	VSD not necessary	1.00	38.8	44.0	1.499	5401	387.00	2894

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	S Static
	T Total
VSD	Variable Speed Drive
SR	Specific ratio

η_e [%]	Efficiency
N	Efficiency grade
[kw]	Input power
[m³/h]	Flowrate
[Pa]	Static pressure or total (depending on EC)
[RPM]	Rotation per minute

Model	MC	EC	VSD	SR	η_e [%]	N	[kW]	[m ³ /h]	[Pa]	[RPM]
HCT-45-2T-3/AL IE3	A	Static	VSD not necessary	1.00	40.3	44.8	1.965	8201	348.00	2930
HCT-45-2/4T-3/AL	A	Static	VSD not necessary	1.00	37.7	42.0	2.110	8454	339.00	2934
HCT-45-4T-0.5/AL	A	Static	VSD not necessary	1.00	33.4	41.8	0.470	4228	135.00	1392
HCT-45-4M-0.5/AL	A	Static	VSD not necessary	1.00	32.3	40.5	0.493	4228	135.00	1417
HCT-50-4T-0.75/AL	A	Static	VSD not necessary	1.00	32.4	40.2	0.590	3719	185.00	1415
HCT-56-4T-0.75/AL	A	Static	VSD not necessary	1.00	33.2	40.6	0.660	6808	116.00	1405
HCT-56-4M-0.75/AL	A	Static	VSD not necessary	1.00	32.7	40.1	0.670	6622	119.00	1422
HCT-56-4T-1/AL IE3	A	Static	VSD not necessary	1.00	34.7	41.9	0.728	6599	138.00	1436
HCT-56-4/8T-1/AL	B	Total	VSD not necessary	1.00	57.3	64.2	0.812	12701	132.00	1448
HCT-56-4T-1.5/AL IE3	B	Total	VSD not necessary	1.00	66.6	73.1	0.947	12945	175.00	1467
HCT-56-4/8T-1.5/AL	B	Total	VSD not necessary	1.00	54.8	60.8	1.150	12945	175.00	1456
HCT-56-4T-2/AL IE3	B	Total	VSD not necessary	1.00	53.8	59.0	1.525	13761	215.00	1447
HCT-56-6T-0.33/AL	A	Static	VSD not necessary	1.00	31.4	41.7	0.240	3564	75.00	943
HCT-63-4T-1/AL IE3	C	Static	VSD not necessary	1.00	47.3	54.3	0.757	8989	143.00	1433
HCT-63-4/8T-1/AL	C	Static	VSD not necessary	1.00	38.2	44.7	0.940	8924	145.00	1440
HCT-63-4T-1.5/AL IE3	C	Static	VSD not necessary	1.00	47.0	52.9	1.137	10593	181.00	1460
HCT-63-4/8T-1.5/AL	C	Static	VSD not necessary	1.00	41.4	47.1	1.290	10448	184.00	1451
HCT-63-4T-2/AL IE3	C	Static	VSD not necessary	1.00	47.0	52.4	1.418	11688	205.00	1451
HCT-63-4/8T-2/AL	C	Static	VSD not necessary	1.00	38.4	43.2	1.730	11566	207.00	1433
HCT-63-4T-3/AL IE3	C	Static	VSD not necessary	1.00	36.9	41.3	2.040	14963	181.00	1448
HCT-63-4/8T-3/AL	B	Total	VSD not necessary	1.00	63.0	67.1	2.285	20208	256.00	1445
HCT-63-4T-4/AL IE3	B	Total	VSD not necessary	1.00	66.8	69.8	3.311	23293	342.00	1442
HCT-63-4/8T-4/AL	B	Total	VSD not necessary	1.00	59.2	61.9	3.735	23293	342.00	1432
HCT-63-6T-0.5/AL	C	Static	VSD not necessary	1.00	32.7	41.1	0.470	6417	87.00	921
HCT-63-6M-0.5/AL	C	Static	VSD not necessary	1.00	32.2	40.6	0.480	6339	88.00	915
HCT-63-6T-0.75/AL	C	Static	VSD not necessary	1.00	32.6	40.6	0.550	6936	93.00	933
HCT-71-4T-1.5/AL IE3	C	Static	VSD not necessary	1.00	55.3	61.2	1.177	11355	206.00	1459
HCT-71-4/8T-1.5/AL	C	Static	VSD not necessary	1.00	45.1	50.4	1.410	11393	201.00	1446
HCT-71-4T-2/AL IE3	C	Static	VSD not necessary	1.00	52.4	57.7	1.445	13256	205.00	1450
HCT-71-4/8T-2/AL	C	Static	VSD not necessary	1.00	43.7	48.5	1.730	13141	207.00	1433
HCT-71-4T-3/AL IE3	C	Static	VSD not necessary	1.00	47.0	51.3	2.152	14513	251.00	1445
HCT-71-4/8T-3/AL	C	Static	VSD not necessary	1.00	41.7	45.6	2.480	14275	261.00	1441
HCT-71-4T-4/AL IE3	C	Static	VSD not necessary	1.00	39.5	42.6	3.313	18688	252.00	1442
HCT-71-4/8T-4/AL	C	Static	VSD not necessary	1.00	37.5	40.4	3.530	18165	263.00	1436
HCT-71-6T-0.75/AL	C	Static	VSD not necessary	1.00	35.7	43.0	0.710	8036	114.00	913
HCT-71-6M-0.75/AL	C	Static	VSD not necessary	1.00	33.6	40.7	0.760	7945	115.00	908
HCT-71-6T-1/AL IE3	C	Static	VSD not necessary	1.00	36.6	43.7	0.769	8550	118.00	951
HCT-71-6T-1.5/AL IE3	C	Static	VSD not necessary	1.00	39.2	45.3	1.080	12806	119.00	956
HCT-80-4T-3/AL IE3	C	Static	VSD not necessary	1.00	58.6	62.7	2.237	16178	292.00	1442
HCT-80-4/8T-3/AL	C	Static	VSD not necessary	1.00	50.1	53.8	2.620	15754	300.00	1437
HCT-80-4T-4/AL IE3	C	Static	VSD not necessary	1.00	55.6	58.8	3.156	19442	325.00	1444
HCT-80-4/8T-4/AL	C	Static	VSD not necessary	1.00	50.1	53.0	3.500	19059	331.00	1437
HCT-80-4T-5.5/AL IE3	C	Static	VSD not necessary	1.00	52.6	55.1	4.112	20980	371.00	1454
HCT-80-4/8T-5.5/AL	C	Static	VSD not necessary	1.00	50.0	52.3	4.320	20666	377.00	1437

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VSD	Variable Speed Drive
SR	Specific ratio

η_e [%]	Efficiency
N	Efficiency grade
[kW]	Input power
[m³/h]	Flowrate
[Pa]	Static pressure or total (depending on EC)
[RPM]	Rotation per minute

Model	MC	EC	VSD	SR	η_e [%]	N	[kW]	[m ³ /h]	[Pa]	[RPM]
HCT-80-6T-1/AL IE3	C	Static	VSD not necessary	1.00	49.9	56.5	0.904	12168	134.00	943
HCT-80-6T-1.5/AL IE3	C	Static	VSD not necessary	1.00	48.3	53.9	1.333	15312	152.00	946
HCT-80-6T-2/AL IE3	C	Static	VSD not necessary	1.00	43.8	48.6	1.773	16826	166.00	951
HCT-80-6T-3/AL IE3	C	Static	VSD not necessary	1.00	37.6	41.6	2.318	18762	167.00	955
HCT-90-4T-4/AL IE3	C	Static	VSD not necessary	1.00	59.9	63.0	3.266	20308	347.00	1443
HCT-90-4/8T-4/AL	C	Static	VSD not necessary	1.00	53.2	55.9	3.680	20152	350.00	1433
HCT-90-4T-5.5/AL IE3	C	Static	VSD not necessary	1.00	57.5	59.9	4.209	24635	354.00	1453
HCT-90-4/8T-5.5/AL	C	Static	VSD not necessary	1.00	53.9	56.1	4.490	24524	355.00	1435
HCT-90-4T-7.5/AL IE3	C	Static	VSD not necessary	1.01	55.1	56.6	5.806	26945	427.00	1466
HCT-90-4/8T-7.5/AL	C	Static	VSD not necessary	1.01	47.6	48.7	6.700	26824	429.00	1452
HCT-90-4T-10/AL IE3	C	Static	VSD not necessary	1.01	52.2	53.0	7.582	33102	430.00	1467
HCT-90-4/8T-10/AL	C	Static	VSD not necessary	1.01	46.3	46.7	8.550	32957	432.00	1463
HCT-90-6T-2/AL IE3	C	Static	VSD not necessary	1.00	53.0	57.9	1.709	18106	180.00	953
HCT-90-6T-3/AL IE3	C	Static	VSD not necessary	1.00	44.7	48.7	2.396	22079	175.00	954
HCT-90-6T-4/AL IE3	C	Static	VSD not necessary	1.00	39.7	43.0	3.019	22590	191.00	974
HCT-100-4T-7.5/AL IE3	C	Static	VSD not necessary	1.00	52.8	54.3	5.768	27281	402.00	1467
HCT-100-4/8T-7.5/AL	C	Static	VSD not necessary	1.00	45.7	46.8	6.660	27102	404.00	1452
HCT-100-4T-10/AL IE3	C	Static	VSD not necessary	1.00	49.3	50.1	7.688	36164	377.00	1467
HCT-100-4/8T-10/AL	C	Static	VSD not necessary	1.00	43.0	43.3	8.820	35646	383.00	1465
HCT-100-4T-15/AL IE3	C	Static	VSD not necessary	1.01	48.9	48.9	11.265	44388	446.00	1472
HCT-100-4/8T-15/AL	C	Static	VSD not necessary	1.01	43.0	42.9	12.790	44106	450.00	1471
HCT-100-4T-20/AL IE3	C	Static	VSD not necessary	1.01	45.2	45.1	13.183	46050	466.00	1472
HCT-100-4/8T-20/AL	C	Static	VSD not necessary	1.01	41.5	41.2	14.690	43763	501.00	1467
HCT-100-6T-3/AL IE3	C	Static	VSD not necessary	1.00	49.2	53.1	2.368	23849	176.00	954
HCT-100-6T-4/AL IE3	C	Static	VSD not necessary	1.00	44.7	47.6	3.451	28766	193.00	970
HCT-100-6T-5.5/AL IE3	C	Static	VSD not necessary	1.00	42.7	44.9	4.530	32856	212.00	961