

COMPRESSOR COOLING UNITS DEK TECHNICAL DATA



Type	DEK 04	DEK 08	DEK 12	DEK 20	DEK 30	DEK 40
Part number	40 D04 150	40 D08 150	40 D12 150	40 D20 150	40 D30 150	40 D40 150
Operating voltage	230 V AC 50/60 Hz	230 V AC 50/60 Hz	230 V AC 50/60 Hz	230 V AC 50/60 Hz	230 V AC 50/60 Hz	230 V AC 50/60 Hz
Cooling capacity [W]	410	820	1150	2050	2900	3850
Width [mm]	259	341	401	401	492	492
Height [mm]	260	339	415	415	496	496
Depth [mm]	481	600	572	572	784	784
Mounting external	–	–	–	–	–	–
Mounting semi-recessed	–	–	–	–	–	–
Mounting internal	–	–	–	–	–	–
Mounting on top	•	•	•	•	•	•
Max. nominal current [A]	1.5	2.9	3.2	6	8.2	9
Starting current [A]	4	12	11	24	38.4	38.2
Weight [kg]	18	23	40	50	80	83
Operating temperature [°C]	+10 to +55	+10 to +55	+10 to +55	+10 to +55	+10 to +55	+10 to +55
Setting temperature range [°C]	+20 to +46	+20 to +46	+20 to +46	+20 to +46	+20 to +46	+20 to +46
Degree of protection internal loop	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54
Degree of protection external loop	IP 34	IP 34	IP 34	IP 34	IP 34	IP 34
Approval	CE	CE	CE	CE	CE	CE

COMPRESSOR COOLING UNITS DEK ACCESSORIES

Accessories	Part number					
Filter mat PU 5	C15000171	C15000173	AADFP12	AADFP12	AADFP30	AADFP30
Metal filter mat PU 1	C15000172	C15000174	AADFM12	AADFM12	AADFM30	AADFM30

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DEK04 Cooling units for roof mounting

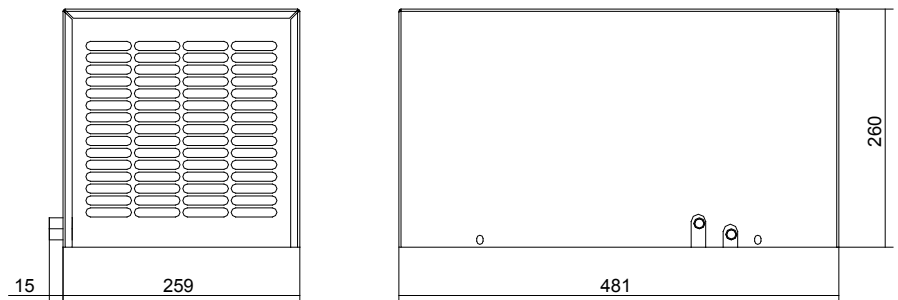
Characteristics	M.U.	DEK04BT0B	DEK04CT0B
Cooling capacity EN14511 - A35A35	W	410	410
Cooling capacity EN14511 - A35A50	W	240	240
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	259	259
Height	mm	260	260
Depth	mm	481	481
Max. current	A	1,5	2,9
Inrush current	A	4	10
Fuse T	A	4	6
Absorbed electric power EN14511 - A35A35	W	270	280
Absorbed electric power EN14511 - A35A50	W	315	325
Duty cycle	-	100%	100%
Electrical connection	-	4 pole plug	4 pole plug
Refrigerant R134a	Kg	0,17	0,17
Cooling circuit max. pressure	bar	26	26
External fan air flow	m³/h	330	330
Enclosure fan air flow	m³/h	235	235
Internal temperature range	°C	20-46	20-46
Temperature setting	-	Electronic thermostat factory set at 35°C	
External temperature range	°C	20-55*	20-50
Protection level EN60529 - enclosure side	-	IP54	IP54
Protection level EN60529 - ambient side	-	IP34	IP34
Noise level	dB (A)	60	60
Weight	Kg	18	19
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

Accessories/Options	
Pack of 5 cloth air filters	C15000171
Pack of 1 metal air filter	C15000172
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	

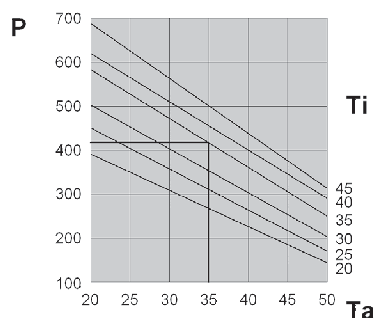
* 50 °C at 60 Hz



Dimensions



Performances



P = Cooling capacity (W)
 Ta = Ambient temperature (°C)
 Ti = Inside enclosure temperature (°C)

DEK08 Cooling units for roof mounting

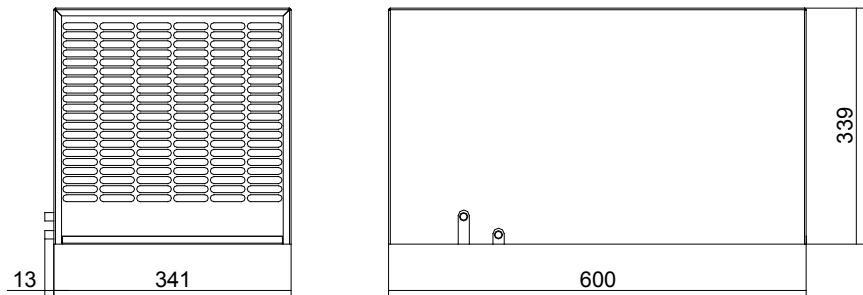
Characteristics	M.U.	DEK08BT0B	DEK08CT0B	DEK08GT0B
Cooling capacity EN14511 - A35A35	W	820	820	820
Cooling capacity EN14511 - A35A50	W	680	680	680
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60	400/440 2~ 50-60
Width	mm	341	341	341
Height	mm	339	339	339
Depth	mm	600	600	600
Max. current	A	2,9	5,7	1,7
Inrush current	A	12	19	7
Fuse T	A	6	10	4
Absorbed electric power EN14511 - A35A35	W	510	520	520
Absorbed electric power EN14511 - A35A50	W	560	570	570
Duty cycle	-	100%	100%	100%
Electrical connection	-	4 pole plug	4 pole plug	4 pole plug
Refrigerant R134a	Kg	0,31	0,31	0,31
Cooling circuit max. pressure	bar	25	25	25
External fan air flow	m ³ /h	860	860	860
Enclosure fan air flow	m ³ /h	570	570	570
Internal temperature range	°C	20-46	20-46	20-46
Temperature setting	-	Electronic thermostat factory set at 35°C		
External temperature range	°C	20-55*	20-50	20-50
Protection level EN60529 - enclosure side	-	IP54	IP54	IP54
Protection level EN60529 - ambient side	-	IP34	IP34	IP34
Noise level	dB (A)	62	62	62
Weight	Kg	23	24	24
Conformity	-	CE	CE	CE
Colour	-	RAL 7035 orange peel effect		

* 50 °C at 60 Hz

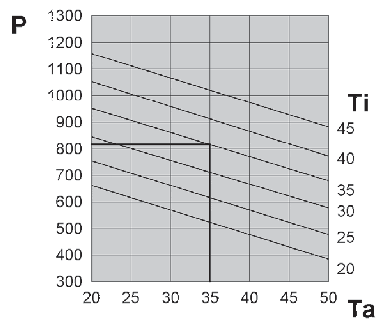
Accessories/Options	
Pack of 5 cloth air filters	C15000173
Pack of 1 metal air filter	C15000174
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



P = Cooling capacity (W)
 Ta = Ambient temperature (°C)
 Ti = Inside enclosure temperature (°C)

DEK12 Cooling units for roof mounting

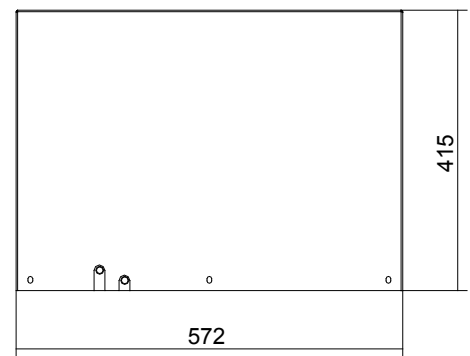
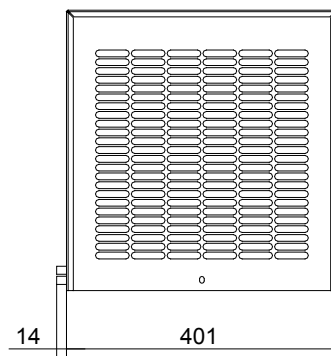
Characteristics	M.U.	DEK12BT0B	DEK12CT0B	DEK12GT0B
Cooling capacity EN14511 - A35A35	W	1150	1150	1150
Cooling capacity EN14511 - A35A50	W	900	900	900
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60	400/440 2~ 50-60
Width	mm	401	401	401
Height	mm	415	415	415
Depth	mm	572	572	572
Max. current	A	3,2	6,4	2,2
Inrush current	A	11	22	8
Fuse T	A	6	12	6
Absorbed electric power EN14511 - A35A35	W	550	560	560
Absorbed electric power EN14511 - A35A50	W	660	670	670
Duty cycle	-	100%	100%	100%
Electrical connection	-	4 pole plug	4 pole plug	4 pole plug
Refrigerant R134a	Kg	0,63	0,63	0,63
Cooling circuit max. pressure	bar	25	25	25
External fan air flow	m³/h	1010	1010	1010
Enclosure fan air flow	m³/h	570	570	570
Internal temperature range	°C	20-46	20-46	20-46
Temperature setting	-	Electronic thermostat factory set at 35°C		
External temperature range	°C	20-55*	20-50	20-50
Protection level EN60529 - enclosure side	-	IP54	IP54	IP54
Protection level EN60529 - ambient side	-	IP34	IP34	IP34
Noise level	dB (A)	65	65	65
Weight	Kg	40	42	42
Conformity	-	CE	CE	CE
Colour	-	RAL 7035 orange peel effect		

* 50 °C at 60 Hz

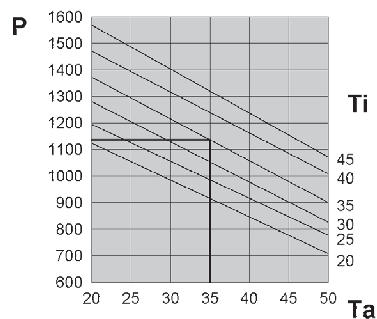
Accessories/Options	
Pack of 5 cloth air filters	AADFP12
Pack of 1 metal air filter	AADFM12
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



P = Cooling capacity (W)
 Ta = Ambient temperature (°C)
 Ti = Inside enclosure temperature (°C)

DEK15 Cooling units for roof mounting

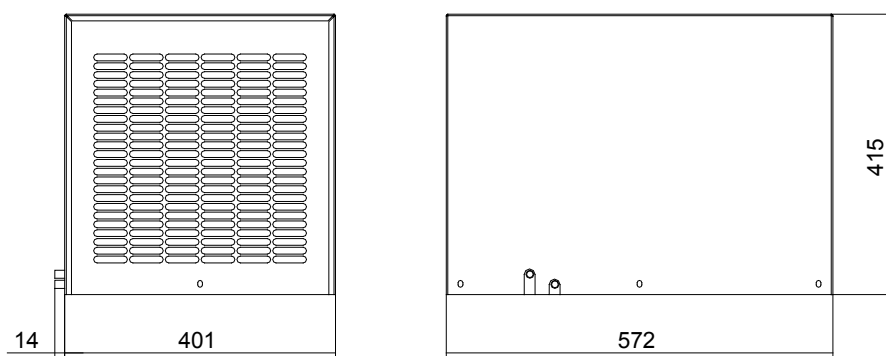
Characteristics	M.U.	DEK15BT0B	DEK15CT0B	DEK15GT0B
Cooling capacity EN14511 - A35A35	W	1550	1550	1550
Cooling capacity EN14511 - A35A50	W	1200	1200	1200
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60	400/440 2~ 50-60
Width	mm	401	401	401
Height	mm	415	415	415
Depth	mm	572	572	572
Max. current	A	4,5	10	2,8
Inrush current	A	18	39	9,6
Fuse T	A	8	16	4
Absorbed electric power EN14511 - A35A35	W	810	820	820
Absorbed electric power EN14511 - A35A50	W	930	940	940
Duty cycle	-	100%	100%	100%
Electrical connection	-	4 pole plug	4 pole plug	4 pole plug
Refrigerant R134a	Kg	0,54	0,54	0,54
Cooling circuit max. pressure	bar	25	25	25
External fan air flow	m³/h	1820	1820	1820
Enclosure fan air flow	m³/h	860	860	860
Internal temperature range	°C	20-46	20-46	20-46
Temperature setting	-	Electronic thermostat factory set at 35°C		
External temperature range	°C	20-55*	20-50	20-50
Protection level EN60529 - enclosure side	-	IP54	IP54	IP54
Protection level EN60529 - ambient side	-	IP34	IP34	IP34
Noise level	dB (A)	65	65	65
Weight	Kg	44	46	46
Conformity	-	CE	CE	CE
Colour	-	RAL 7035 orange peel effect		

* 50 °C at 60 Hz

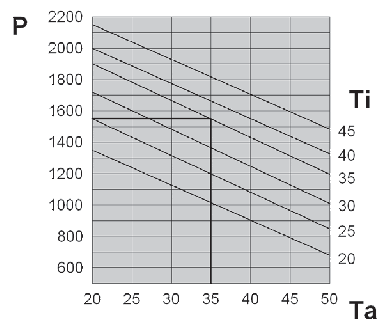
Accessories/Options	
Pack of 5 cloth air filters	AADFP12
Pack of 1 metal air filter	AADFM12
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



P = Cooling capacity (W)
 Ta = Ambient temperature (°C)
 Ti = Inside enclosure temperature (°C)

DEK20 Cooling units for roof mounting

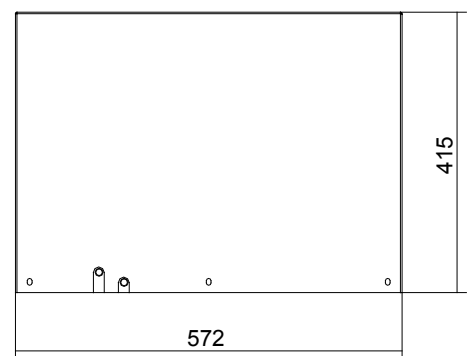
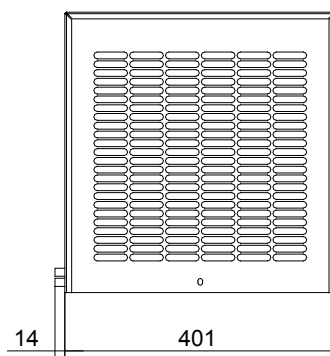
Characteristics	M.U.	DEK20BT0B	DEK20CT0B	DEK20LT0B
Cooling capacity EN14511 - A35A35	W	2050	2050	2050
Cooling capacity EN14511 - A35A50	W	1560	1560	1560
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60	400 3~ 50-60
Width	mm	401	401	401
Height	mm	415	415	415
Depth	mm	572	572	572
Max. current	A	6	13,2	1,9
Inrush current	A	24	48	10
Fuse T	A	10	20	4
Absorbed electric power EN14511 - A35A35	W	1190	1220	990
Absorbed electric power EN14511 - A35A50	W	1300	1320	1190
Duty cycle	-	100%	100%	100%
Electrical connection	-	4 pole plug	4 pole plug	4 pole plug
Refrigerant R134a	Kg	0,55	0,55	0,55
Cooling circuit max. pressure	bar	25	25	25
External fan air flow	m ³ /h	1820	1820	1820
Enclosure fan air flow	m ³ /h	1050	1050	1050
Internal temperature range	°C	20-46	20-46	20-46
Temperature setting	-	Electronic thermostat factory set at 35°C		
External temperature range	°C	20-55*	20-50	20-50
Protection level EN60529 - enclosure side	-	IP54	IP54	IP54
Protection level EN60529 - ambient side	-	IP34	IP34	IP34
Noise level	dB (A)	65	65	65
Weight	Kg	50	56	52
Conformity	-	CE	CE	CE
Colour	-	RAL 7035 orange peel effect		

* 50 °C at 60 Hz

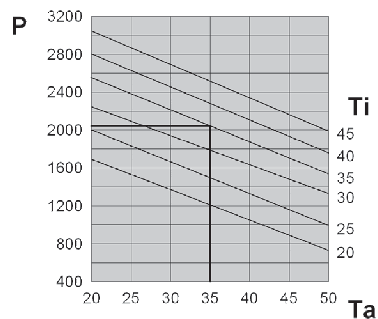
Accessories/Options	
Pack of 5 cloth air filters	AADFP12
Pack of 1 metal air filter	AADFM12
Level Switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



P = Cooling capacity (W)
 Ta = Ambient temperature (°C)
 Ti = Inside enclosure temperature (°C)

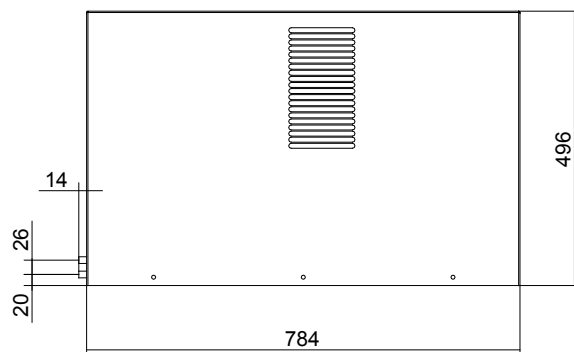
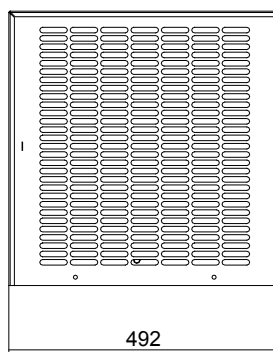
DEK30 Cooling units for roof mounting

Characteristics	M.U.	DEK30BT0B	DEK30LT0B
Cooling capacity EN14511 - A35A35	W	2900	2900
Cooling capacity EN14511 - A35A50	W	2250	2250
Power supply	V ~ Hz	230 1~ 50-60	400 3~ 50-60
Width	mm	492	492
Height	mm	496	496
Depth	mm	784	784
Max. current	A	8,2	2,5
Inrush current	A	38,4	15,7
Fuse T	A	16	6
Absorbed electric power EN14511 - A35A35	W	1350	1210
Absorbed electric power EN14511 - A35A50	W	1610	1450
Duty cycle	-	100%	100%
Electrical connection	-	4 pole plug	4 pole plug
Refrigerant R134a	Kg	1,26	1,2
Cooling circuit max. pressure	bar	25	25
External fan air flow	m ³ /h	3410	3410
Enclosure fan air flow	m ³ /h	860	860
Internal temperature range	°C	20-46	20-46
Temperature setting	-	Electronic thermostat factory set at 35°C	
External temperature range	°C	20-50	20-50
Protection level EN60529 - enclosure side	-	IP54	IP54
Protection level EN60529 - ambient side	-	IP34	IP34
Noise level	dB (A)	75	75
Weight	Kg	80	83
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

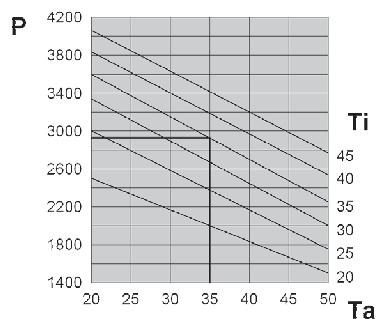
Accessories/Options	
Pack of 5 cloth air filters	AADFP30
Pack of 1 metal air filter	AADFM30
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



P = Cooling capacity (W)
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 Ti = Inside enclosure temperature (°C)

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