	DCS880 DCS880 H5 New cooling fan R2E250-RE04-10	Hardware Hint HW DCS880 3ADW000762R0101
Date:	Name:	Department:
19.11.2021	Thomas Vinz	MO-DCP

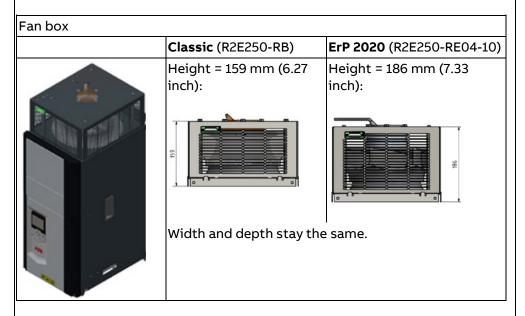
Types concerned	
	DCS880 unit size H5.

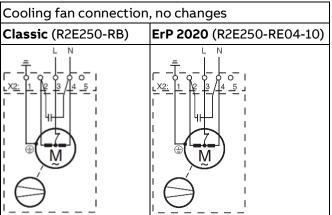
Summary	
	DCS880 unit size H5 have been equipped with the new cooling fan R2E250-RE04-10 due to ErP 2020 regulations of the EU. The type code of the concerned units has also been adapted. This document describes the adaptions.

Гуре code						
	The drive's basic t	The drive's basic type code: DCS880-aab-cccc-ddef + plus code				
		DCS8		·		
	Product type:	aa	= S0	Standard converter module		
			= R0	Rebuild kit		
			= U1	Upgrade kit		
			= AO	Enclosed converter		
	Bridge type:	b	= 1	Single bridge (2-Q)		
			= 2	2 anti-parallel bridges (4-Q)		
	Module type:	cccc	=	Rated DC current (IP00)		
	Rated AC voltage:	dd	= 04	100 V _{AC} 415 V _{AC}		
			= 05	100 V _{AC} 500 V _{AC} (IEC)/525 V _{AC} (UL)		
			= 06	270 V _{AC} 600 V _{AC}		
			= 07	315 V _{AC} 690 V _{AC}		
			= 08	360 V _{AC} 800 V _{AC}		
			= 10	450 V _{AC} 990 V _{AC}		
			= 12	540 V _{AC} 1190 V _{AC}		
	Power	e	= X	Standard H1 H7		
	connection:		= L	Left side H8		
			= R	Right side H8		
	Revision code:	f	= 0	1 st generation		
			= A	H7: Double fusing		
			= B	H5/H6: New cooling fan R2E250-RE04-10		

Cooling fan (R2E250- RE04-10)			
	The unit size H5 is now equipped (R2E250-RE04-10). The ErP 2020 re		
	The ErP 2020 compliant cooling fais the most energy saving design of the cooling fan is equipped with a most suitable voltage supply confithe fan is located in the fan box much be easily detached, providing the and service.	and latest technology a single-phase 230 N iguration all over the nounted on top of t	gy not using an inverter. V _{AC} motor, which is the ne world. he drive. The fan box can
	ErP 2020 compliant cooling fan	R2E250-RE04-10 (3ADT754047P0001)
	ErP 2020 fan box (including fan)) Order number (3ADT754042R0012)	
	Rated voltage [V _{AC}]	230; 1~	
	Tolerance [%]	+10/-15	
	Frequency [Hz]	50	60
	Power consumption [W]	220	348
	Current consumption [A]	1.00	1.57
	Blocking current [A]	2.5	2.4
	Air flow [m³/h]	800	850
	at working point	0.9 A	1.5 A
	Max. ambient temperature [°C]	< 80	< 50
	Useful lifetime of grease	approximately 40000 h at 40°C	
	Protection	Internal connected temperature detector	

The height of the unit size H5 is increased by 27 mm (1.06 inch). Unit with classic cooling fan Unit with ErP 2020 compliant cooling fan h · w · d [mm] h · w · d [inch] h · w · d [mm] h · w · d [inch] 740.5 x 270 x 368 29.16 x 10.63 x 14.49 767.5 x 270 x 368 30.22 x 10.63 x 14.49

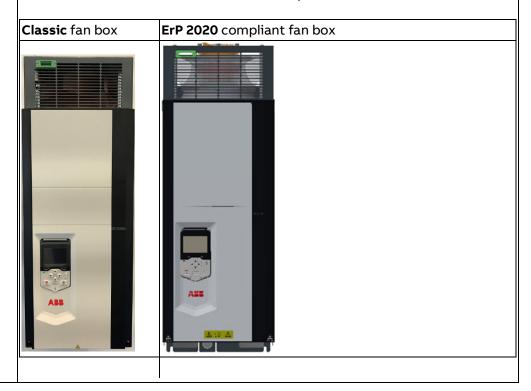




Note: The ErP 2020 compliant fan box is a suitable spare part for drives with a classic fan box. Classic and ErP 2020 compliant fan arrangements are electrically and mechanically compatible. Except for their heights. See drawings above.

Exchange a classic unit size H5 with an ErP 2020 compliant unit size H5 is possible.

Note: The ErP 2020 compliant unit is higher (see above). The 4 mounting holes at the back of the unit remain the same compared to the classic units.



Parts list						
		Drives DCS880-S0b-1190-0dX 0 are equipped with the classic cooling fan. Drives DCS880-S0b-1190-0dX B are equipped with the ErP 2020 compliant cooling fan.				
	Module with classic cooling fan (R2E250-RB)	Module with ErP 2020 compliant cooling fan (R2E250-RE04-10)				
	DCS880-S0b-1190-04X0	DCS880-S0b-1190-04XB				
	DCS880-S0b-1190-05X0	DCS880-S0b-1190-05XB				

Change	
	The ErP 2020 compliant cooling fan is used since:
	Date of change:
	17 th of February 2022.
	Serial number of change:
	0390472P22060393.