

CRI1S-13 A-P-I-E-HQQE 3x230/400 50HZ

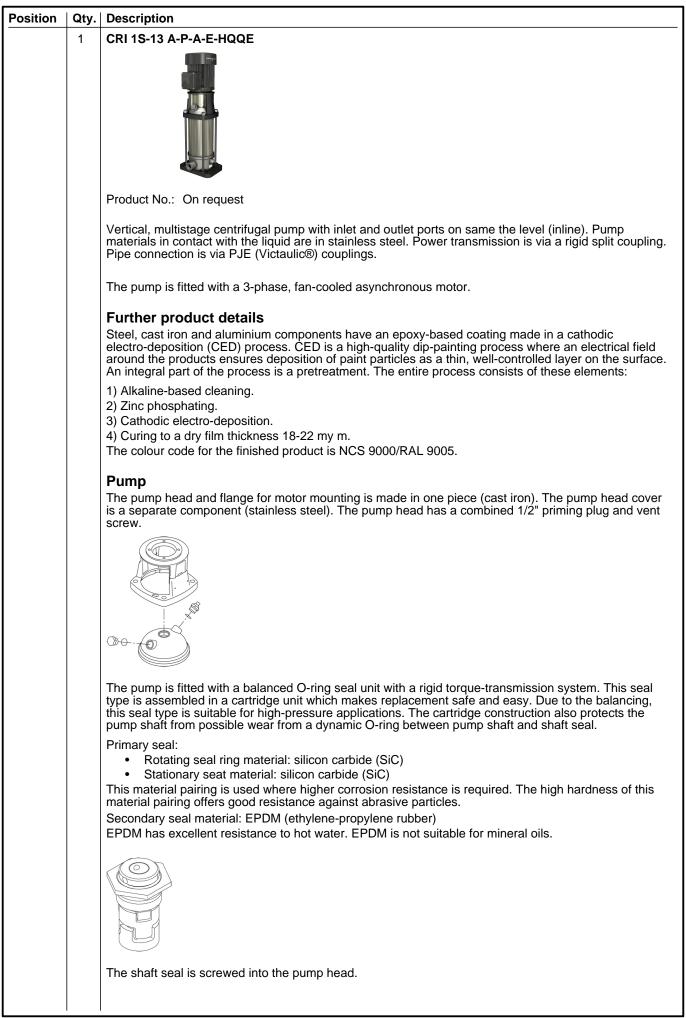
Grundfos pump 96527649



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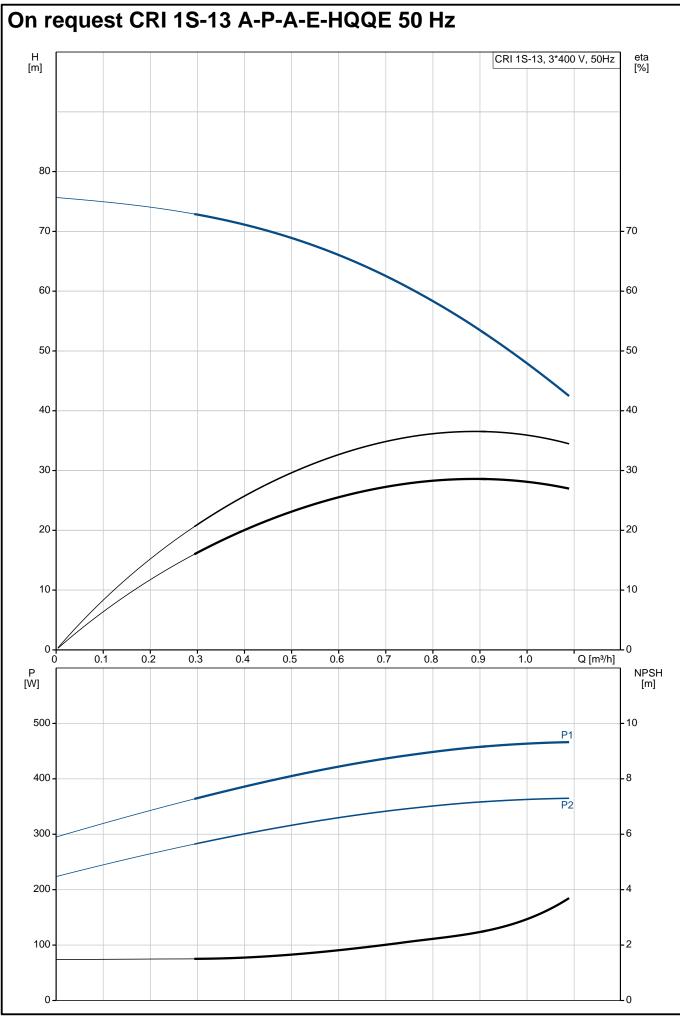
https://www.lenntech.com/grundfos/CRI1S/96527649/CRI-1S-13-A-P-I-E-HQQE.html

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Position	Qty.	Description					
		kept in position by the tension of base has a combined drain plug	base mounted on a separate base plate. The base and base plate are the staybolts which hold the pump together. The outlet side of the and bypass valve. The pump is secured to the foundation by four bolts is prepared for connection by means of PJE (Victualic®) couplings.				
		Motor					
			an-cooled motor with principal dimensions to IEC and DIN standards. h tapped-hole flange (FT).				
		Electrical tolerances comply with The motor efficiency is classified The motor does not incorporate	ccordance with IEC 60034-7: IM B 14 (Code I) / IM 3601 (Code II). IEC 60034. as IE3 in accordance with IEC 60034-30-1. motor protection and must be connected to a motor-protective circuit reset. The motor-protective circuit breaker must be set according to the				
		Technical data					
		Controls: Frequency converter:	NONE				
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation Density:	Water -20 120 °C tion: 20 °C 998.2 kg/m ³				
		Technical: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	0.9 m ³ /h 50.9 m Vertical Single HQQE CE, EAC,ACS ISO9906:2012 3B				
		Materials: Base:	Stainless steel				
		Impeller:	EN 1.4408 AISI 316 Stainless steel EN 1.4301 AISI 304				
		Bearing:	SIC				
		Installation: Maximum ambient temperature:					
		Maximum operating pressure: Max pressure at stated temp:	25 bar 25 bar / 120 °C 25 bar / -20 °C				
		Type of connection: Size of inlet connection:	PJE DN 32				
		Size of outlet connection:	1 1/4 inch DN 32 1 1/4 inch				
		Pressure rating for pipe connecti					

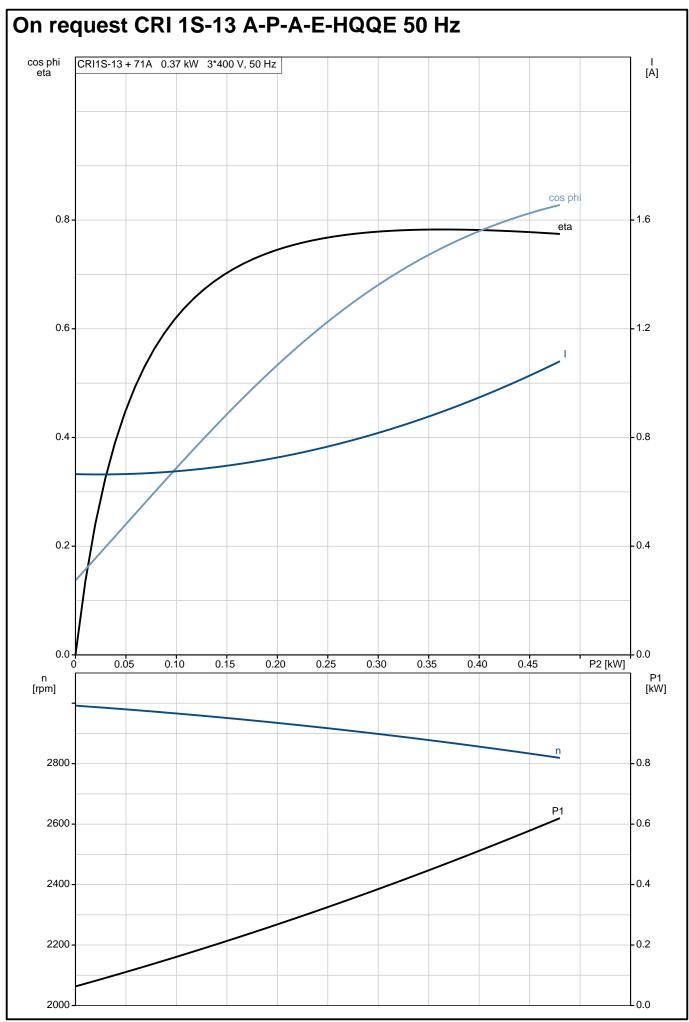
Position	Qty.	Description	
		Flange size for motor:	FT85
		Electrical data: Motor standard: Motor type: IE Efficiency class:	IEC 71A IE3
		Rated power - P2: Power (P2) required by pump: Mains frequency:	0.37 kW 0.37 kW 50 Hz
		Rated voltage: Rated current: Starting current:	3 x 220-240D/380-415Y V 1.74/1.00 A 490-530 %
		Cos phi - power factor: Rated speed: Efficiency:	0.80-0.70 2850-2880 rpm IE3 73,8% 73.8 %
		Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles:	73.8 % 79.0 % 75.5 % 2
		Enclosure class (IEC 34-5): Insulation class (IEC 85):	55 Dust/Jetting F
		Others: Minimum efficiency index, MEI Net weight:	20.6 kg
		Gross weight: Shipping volume:	23.4 kg 0.074 m³
		as Product Contro [2018.06.002]	3/13

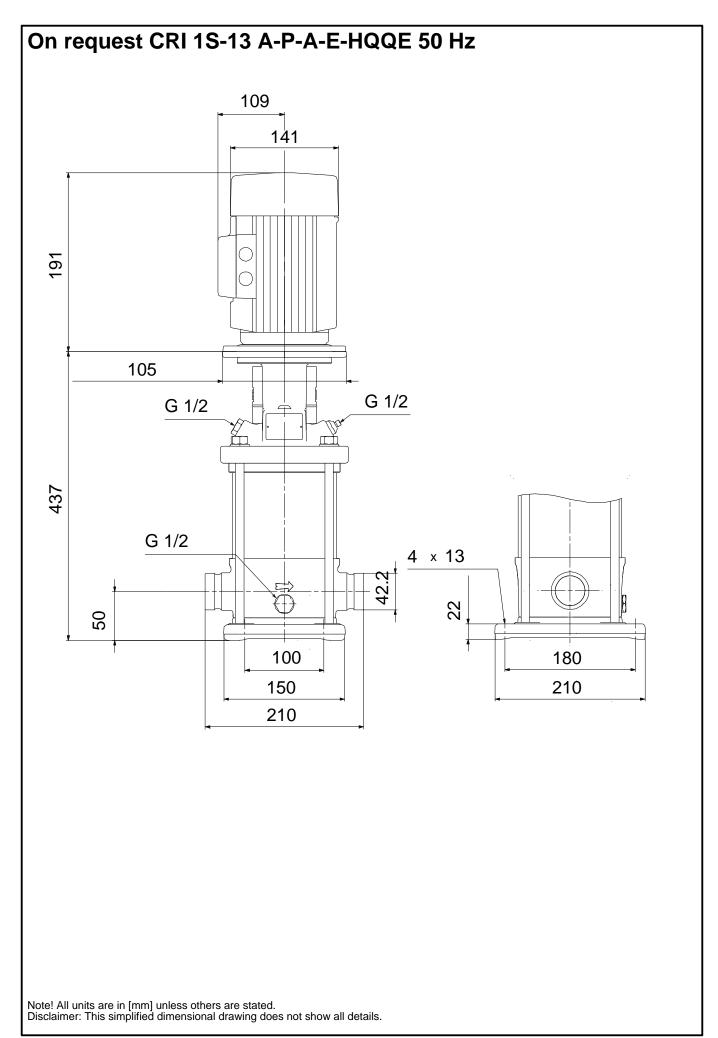


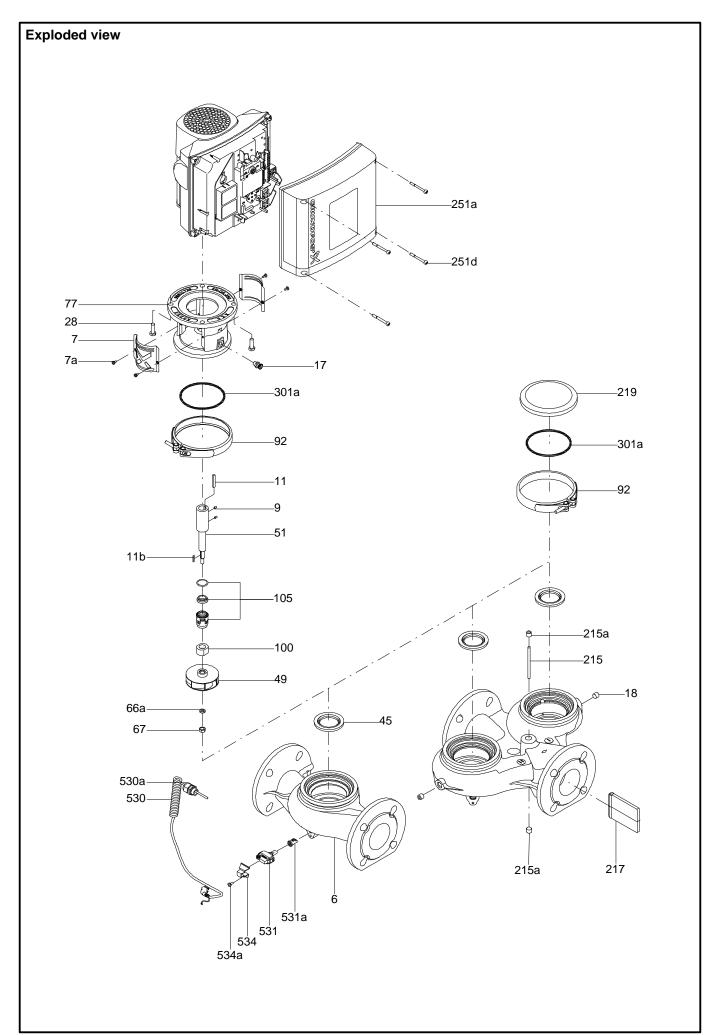
		H, CRI 1S-13, 3*400 V, 50Hz eta
Description	Value	[m]
General information:		
Product name:	CRI 1S-13 A-P-A-E-HQQE	
Product No:	On request	80 -
EAN number:	On request	
Technical:		70 - 70
Rated flow:	0.9 m³/h	
Rated head:	50.9 m	60 - 60
Stages:	13	
Impellers:	13	
Impellers.	15	50 - 50
Number of reduced-diameter impellers: Low NPSH:	0 N	40 - 40
Pump orientation:	Vertical	
		30 30
Shaft seal arrangement:	Single	
Code for shaft seal:	HQQE	20 20
Approvals on nameplate:	CE, EAC,ACS	
Curve tolerance:	ISO9906:2012 3B	10 - 10
Pump version:	A	
Model:	A	0
Materials:		0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 Q[m³/h]
Base:	Stainless steel	P NPSH [W]
	EN 1.4408	500 - P1 - 10
	AISI 316	
Impeller:	Stainless steel	400 - 8
	EN 1.4301	P2
	AISI 304	300 - 6
Material code:		
	A	200 - 4
Code for rubber:	E	
Bearing:	SIC	100 - 2
Installation:		
Maximum ambient temperature:	40 °C	0
Maximum operating pressure:	25 bar	109
Max pressure at stated temp:	25 bar / 120 °C	
	25 bar / -20 °C	
Type of connection:	PJE	
Size of inlet connection:	DN 32	
	1 1/4 inch	
Size of outlet connection:	DN 32	
	1 1/4 inch	
Pressure rating for pipe connection:	PN 50	G 1/2 G 1/2
Flange size for motor:	FT85	
Connect code:	Р	
Liquid:		<u>G 1/2</u> 4 × 13
Pumped liquid:	Water	
Liquid temperature range:	-20 120 °C	
Liquid temperature during operation:	20 °C	
Density:	998.2 kg/m³	150 210
Electrical data:		
Motor standard:	IEC	·
Motor type:	71A	
IE Efficiency class:	IE3	
Rated power - P2:	0.37 kW	
	0.37 kW	
Power (P2) required by pump:		
Mains frequency:	50 Hz	
Rated voltage:	3 x 220-240D/380-415Y V	
Rated current:	1.74/1.00 A	
Starting current:	490-530 %	
Cos phi - power factor:	0.80-0.70	LOW VOLTAGE DIRECTION OF ROTATION
Rated speed:	2850-2880 rpm	
Efficiency:	IE3 73,8%	
Motor efficiency at full load:	73.8 %	
Motor efficiency at 3/4 load:	79.0 %	
Motor efficiency at 1/2 load:	75.5 %	
Number of poles:	2	
	-	

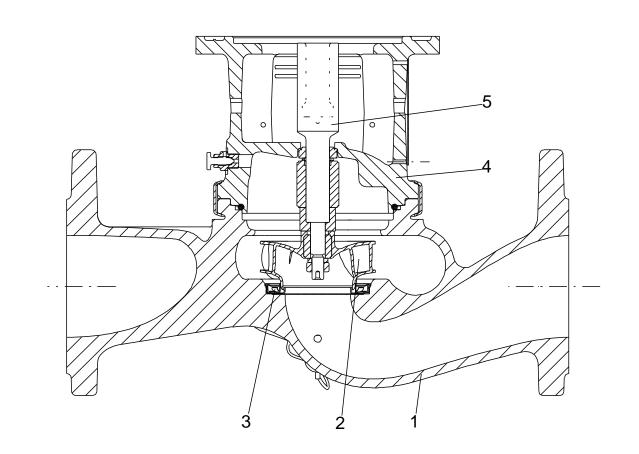
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Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	85805102
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI :	0.54
Net weight:	20.6 kg
Gross weight:	23.4 kg
Shipping volume:	0.074 m³

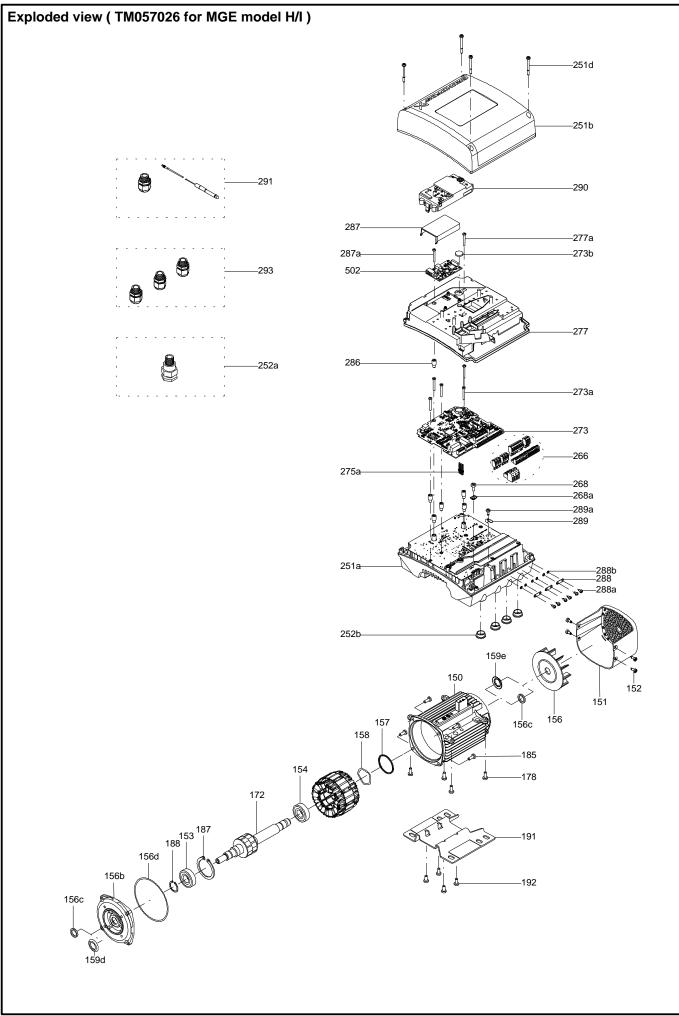








TM058200



Parts list CRI 1S-13, Product No. On request Valid from 1.1.2004 (0401)

Pos	Description Motor	Annotation	Données de classification	Veletelling	<u>Qu</u> 1	antite	Unit
	Base cpl.				1		pcs pcs
6	Base				I	4	pcs
6 25							
	Plug						
56	Base plate				4	1	
05	Sealing parts				1	4	pcs
25	Drain plug w/bypass valve						
38	O-ring		Diameter: 16,3			1	
			Material type: EPDM				
			Thickness: 2,4			_	
37	O-ring						
100	O-ring		Diameter: 16,3			2	
			Material type: EPDM				
			Thickness: 2,4			1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 2 4 1 2 4 1 2 4 1 4 1 4 1 4	
2	Pump head cpl.				1		pcs
2	Pump head						
7	Coupling guard						
7.a	Combi Slot Torx screw						
18	Air vent screw					1	
	Plug					1	
	Spindle					1	
23a	Plug					1	
28	Hex head screw		Length (mm): 20			4	
			Thread: M6				
60	Formed wire spring					1	
77	Pump cover					1	
8	Coupling				1		pcs
9	Hex socket head cap screw		Designation: DIN 912			4	•
			Length (mm): 20				
			Thread: M6				
10	Shaft pin		Diameter: 5			1	
			Length (mm): 26			•	
10a	Coupling half					2	
26	Staybolt		Length (mm): 328		4	-	pcs
20	Claybolt		Thread: M12		-		poo
36a	Washer		Designation: DIN 125 A		4		pcs
500	Washer		Internal diameter: 13		-		p03
			Outer diameter: 24				
55	Outer sleeve		Thickness: 2,5		1		nac
55	Nut		Thread: M40		1		pcs
66a 80			Thread: M12		4		pcs
80 4	Chamber stack		Bearing type: HQQE		1	10	pcs
4	Chamber cpl.						
	Guide vane						
	Plate						
	Retainer						
	Intermediate chamber						
	Vane						
45	Neck ring						
65	Retainer						
4a	Chamber w. bearing cpl.						
	Guide vane					6	
	Retainer for bearing					1	
	Bearing bush					1	
	Retainer					1	
	Intermediate chamber					1	
	Vane					1	
45	Neck ring					1	
40							

Pos		Annotation	Données de classification	Référence	Quantité	Unité
5a	Chamber cpl.				1	
	Retainer				1	
	Intermediate chamber				1	
	Vane				1	
45	Neck ring				1	
65	Retainer				1	
36	Lock nut		Thread: M8		1	
47a	Bearing ring, rotating				2	
49	Impeller cpl.				13	
49	Impeller				1	
50a	Guide vane cpl.				1	
	Plate				1	
50a	Guide vane				6	
50b	Top plate				1	
51	Shaft, spline, cpl.				1	
64a	Spacing pipe				10	
64a	Spacing pipe		Internal diameter: 12,85		2	
			Outer diameter: 15,85			
			Length (mm): 4,50			
64c	Clamp, splined		Internal diameter: 8,5		1	
			Outer diameter: 15			
66	Wedge lock washer				1	
105	Shaft seal		Material type: HQQE		1	pcs
	O-ring				1	
	O-ring				1	
	Seal driver, upper				1	
	Seal driver, lower				1	
	Spacer ring				1	
	Pipe				1	
	Plug				1	
	Plug				1	
	Compression spring				1	
	Socket set screw				1	
102	O-ring		Diameter: 22,00		1	
			Material type: EPDM			
			Thickness: 2,75			
103	Seal ring, stationary				1	
105	Seal ring, rotating				1	
107	O-ring				1	
113	Driver				1	

Disclaimer: The information about the Grundfos pump in this document may be outdated. Data may be subject to alterations without further notice. Please contact us to verify the data above is still accurate/up-to-date.

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