Compressors and vane pumps (with lubrication)



PN40



PN155



C84



PNR73



RV520



RVC210



LC750



PR150

series	model	Ex	side oil tank	flow m³/h	flow l/min	flow cfm	rotation speed rpm			HYD drive	vacuum % (in HG)	continuous vac. % (in HG)	pres. max abs bar (psi)	power max vac. kW (hp)	weight kg (lbs)	type cooling
PN	23			156	2.600	92	D1300	M540		•	90 (27.0")	60 (18.0")	1.5 (21.8)	3.3 (4.5)	53 (117)	**air**
	33			216	3.600	127	D1300	M540		•	90 (27.0")	60 (18.0")	1.5 (21.8)	4.5 (6.1)	63 (139)	
	40			240	4.000	141	D1300	M540		•	90 (27.0")	60 (18.0")	1.5 (21.8)	5.5 (7.5)	71 (157)	
	45			318	5.300	187	D1300	M540	M1000	•	92 (27.5")	60 (18.0")	1.5 (21.8)	5.8 (7.8)	90 (198)	
	58			390	6.500	230	D1300	M540	M1000	•	92 (27.5")	60 (18.0")	1.5 (21.8)	6.6 (8.9)	102 (225)	
	84			540	9.000	317	D1300	M540	M1000	•	92 (27.5")	60 (18.0")	1.5 (21.8)	11.2 (15.2)	115 (254)	
	106		•	660	11.000	388	D1300	M540	M1000	•	92 (27.5")	60 (18.0")	1.5 (21.8)	13.6 (18.4)	143 (315)	
	130		•	774	12.900	456	D1350	M540	M1000	•	94 (28.0")	60 (18.0")	2.0 (29.0)	19.0 (25.5)	165 (364)	
	140		•	830	13.850	490	D1350	M540	M1000	•	92 (27.5")	60 (18.0")	2.0 (29.0)	19.0 (25.5)	173 (381)	
	155		•	910	15.200	536	D1150	M540	M1000	•	93 (27.8")	60 (18.0")	2.0 (29.0)	19.0 (25.5)	194 (428)	
C	60			390	6.500	230		M540					6.0 (87.0)	30.0* (40.2*)	87 (192)	
	84			540	9.000	317		M540		•			6.0 (87.0)	42.0* (56.3*)	108 (238)	* power max pressure
	110			660	11.000	388		M540					6.0 (87.0)	52.0* (69.7*)	119 (262)	
PNE	73			432	7.200	254	D1350	M540		•	93 (27.8")	60 (18.0")	2.0 (29.0)	11.0 (15.0)	110 (242)	
	83			492	8.200	290	D1350	M540		•	93 (27.8")	60 (18.0")	2.0 (29.0)	12.5 (17.0)	119 (262)	
	104			624	10.400	370	D1300	M540	M1000	•	95 (28.5")	60 (18.0")	2.0 (29.0)	14.0 (19.0)	150 (330)	
	124			744	12.400	440	D1300	M540	M1000	•	95 (28.5")	60 (18.0")	2.0 (29.0)	16.0 (21.7)	169 (372)	
PNR	73			432	7.200	254	D1350	M540		•	93 (27.8")	70 (21.0")	2.0 (29.0)	11.0 (15.0)	110 (242)	**air injection**
	83			492	8.200	290	D1350	M540		•	93 (27.8")	70 (21.0")	2.0 (29.0)	12.5 (17.0)	119 (262)	
	104	•		624	10.400	370	D1300	M540	M1000	•	95 (28.5")	70 (21.0")	2.0 (29.0)	14.0 (19.0)	150 (330)	
	124	•		744	12.400	440	D1300	M540	M1000	•	95 (28.5")	70 (21.0")	2.0 (29.0)	16.0 (21.7)	169 (372)	
	142		•	852	14.200	500	D1200	M540	M1000	•	95 (28.5")	70 (21.0")	2.5 (36.0)	20.5 (28.0)	210 (463)	
	260R			620	10.300	365	D1300			•	95 (28.5")	60 (18.0")	2.0 (29.0)	13.0 (18.0)	170 (375)	
	155R		•	910	15.200	536	D1300	M540	M1000	•	93 (27.8")	70 (21.0")	2.0 (29.0)	19.0 (25.5)	220 (485)	
RV	360		•	612	10.200	360	D1300			•	95 (28.5")	80 (24.0")	2.0 (29.0)	11.0 (15.0)	175 (386)	**fan cooled**
	520		•	882	14.700	520	D1300			•	95 (28.5")	80 (24.0")	2.0 (29.0)	16.0 (21.7)	234 (516)	
RVC	210			360	6.000	212	D1450			•	93 (27.8")	75 (22.5")	2.5 (36.0)	6.0 (8.1)	86 (190)	
	360		•	612	10.200	360	D1300			•	95 (28.5")	80 (24.0")	2.0 (29.0)	11.0 (15.0)	176 (388)	
LC	300		•	510	8.500	300	D1300	M540	M1000	•	92 (27.5")	80 (24.0")	2.0 (29.0)	14.0 (19.0)	195 (430)	**water**
	420		•	720	12.000	420	D1300	M540	M1000	•	92 (27.5")	80 (24.0")	2.0 (29.0)	18.0 (24.1)	210 (463)	
	580		•	980	16.300	580	D1200	M540	M1000	•	95 (28.5")	80 (24.0")	2.0 (29.0)	17.0 (22.8)	232 (511)	
	750		•	1.200	20.000	706	D1200	M540	M1000	•	95 (28.5")	80 (24.0")	2.0 (29.0)	19.0 (25.5)	308 (680)	
PR	150	•		900	15.000	529	D1200			•	95 (28.5")	80 (24.0")	2.0 (29.0)	25.0 (33.5)	345 (761)	
	200	•		1.250	20.800	735	D1200			•	95 (28.5")	80 (24.0")	2.0 (29.0)	32.0 (43.0)	445 (981)	
	250	•		1.550	25.800	911	D1100			•	95 (28.5")	80 (24.0")	2.0 (29.0)	39.5 (53.0)	530 (1.168)	
	330	•		2.000	33.300	1.180	D1000			•	95 (28.5")	80 (24.0")	2.0 (29.0)	50.0 (67.0)	605 (1.334)	
	530	•		3.200	53.300	1.880	D900			•	95 (28.5")	80 (24.0")	2.0 (29.0)	72.0 (96.5)	980 (2.161)	

Air flow: 1 m^3/h = 16.66 l/min = 0.589 CFM. Water flow: 1 m^3/h = 16.66 l/min = 4.403 US GPM

Compressors and lobe pumps (oil free)



PVT60



HELIX220



HELIX725



HELIX2000



CT105



CT420



CTH800



X-CTH240

series	model	Ex	flow m³/h	flow l/min	flow cfm	rotation speed rpm		HYD drive	vacuum % (in HG)	continuous vac. % (in HG)	pres. max abs bar (psi)	power max vac. kW (hp)	weight kg (lbs)	type cooling
PVT	60		360	6.000	212	D5000	M1489		93 (27.8")	93 (27.8")	2.0 (29.0)	9.8 (13.0)	87 (192)	**air injection**
	200	•	1.280	21.350	755	D4200	M1400	•	93 (27.8")	93 (27.8")	2.0 (29.0)	35.0 (47.0)	160 (352)	
	280	•	1.850	30.800	1.089	D3400		•	93 (27.8")	93 (27.8")	2.0 (29.0)	56.0 (75.0)	192 (424)	
	400	•	2.600	43.300	1.530	D3400		•	93 (27.8")	93 (27.8")	2.0 (29.0)	74.0 (100.0)	240 (529)	
	700	•	4.150	69.170	2.445	D2500		•	93 (27.8")	93 (27.8")	2.0 (29.0)	122.0 (164.0)	640 (1.411)	
	1000	•	6.400	106.700	3.770	D2500		•	93 (27.8")	93 (27.8")	2.0 (29.0)	175.0 (235.0)	780 (1.720)	
HELIX	140		850	14.200	500	D4500	M1500	•	91 (27.3")	91 (27.3")	2.0 (29.0)	24.0 (32.0)	125 (275)	
	180		1.090	18.200	642	D4500	M1500	•	91 (27.3")	91 (27.3")	2.0 (29.0)	32.0 (43.5)	137 (302)	
	220	•	1.280	21.350	755	D4200	M1400	•	93 (27.8")	93 (27.8")	2.0 (29.0)	35.0 (47.0)	160 (352)	
	300	•	1.850	30.800	1.090	D3400		•	93 (27.8")	93 (27.8")	2.0 (29.0)	56.0 (75.0)	192 (424)	
	450	•	2.600	43.300	1.530	D3400		•	93 (27.8")	93 (27.8")	2.0 (29.0)	74.0 (100.0)	240 (529)	
	550		3.060	51.000	1.800	D3300		•	93 (27.8")	93 (27.8")	2.0 (29.0)	93.0 (125.0)	323 (712)	
	725		4.000	66.700	2.354	D3200		•	92 (27.5")	92 (27.5")	2.0 (29.0)	120.0 (161.0)	360 (794)	
	750	•	4.150	69.200	2.445	D2500		•	93 (27.8")	93 (27.8")	2.0 (29.0)	122.0 (164.0)	647 (1.430)	
	1200	•	6.400	106.700	3.770	D2500		•	93 (27.8")	93 (27.8")	2.0 (29.0)	175.0 (235.0)	765 (1.690)	
	1500	•	8.200	136.700	4.826	D2500		•	93 (27.8")	93 (27.8")	2.0 (29.0)	230.0 (308.0)	850 (1.874)	
	2000		10.860	181.000	6.400	D2100			93 (27.8")	93 (27.8")	2.0 (29.0)	295.0 (395.0)	1.200 (2.650)	
CT	30		360	6.000	212	D5000		•	55 (16.5")	50 (15.0")	2.1 (30.5)	13.0* (17.5*)	45 (99)	**air**
	50		560	9.300	330	D5000		•	55 (16.5")	50 (15.0")	2.1 (30.5)	18.0* (24.0*)	56 (121)	
	80	•	850	14.200	500	D4500	M1500	•	55 (16.5")	50 (15.0")	2.1 (30.5)	29.0* (39.0*)	106 (234)	
	105	•	1.090	18.200	642	D4500	M1500	•	55 (16.5")	50 (15.0")	2.1 (30.5)	36.0* (48.0*)	118 (260)	
	130	•	1.300	21.700	765	D4500	M1500	•	55 (16.5")	50 (15.0")	2.1 (30.5)	45.0* (60.0*)	132 (291)	
	180	•	1.800	30.000	1.060	D3300		•	55 (16.5")	50 (15.0")	2.1 (30.5)	65.0* (87.0*)	180 (397)	
	240	•	2.470	41.200	1.453	D3300		•	55 (16.5")	50 (15.0")	2.1 (30.5)	89.0* (119.0*)	218 (480)	
	420	•	4.150	69.200	2.445	D2500		•	55 (16.5")	50 (15.0")	2.1 (30.5)	149.0* (199.0*)	617 (1.360)	
	600	•	6.400	106.700	3.770	D2500		•	55 (16.5")	50 (15.0")	2.1 (30.5)	207.0* (277.0*)	755 (1.665)	
CTH	80		850	14.200	500	D4500	M1500	•	60 (18.0")	55 (16.5")	2.2 (32.0)	30.0* (40.0*)	106 (234)	
	105		1.090	18.200	642	D4500	M1500	•	60 (18.0")	55 (16.5")	2.2 (32.0)	38.0* (51.0*)	118 (260)	
	130	•	1.300	21.700	765	D4500	M1500	•	60 (18.0")	55 (16.5")	2.2 (32.0)	48.0* (64.0*)	132 (291)	
	180	•	1.800	30.000	1.060	D3300		•	60 (18.0")	55 (16.5")	2.2 (32.0)	70.0* (94.0*)	180 (397)	
	240	•	2.470	41.200	1.453	D3300		•	60 (18.0")	55 (16.5")	2.2 (32.0)	94.0* (126.0*)	218 (480)	
	330		3.060	51.000	1.800	D3300		•	60 (18.0")	55 (16.5")	2.2 (32.0)	122.0* (164.0*)	300 (660)	
	415		4.000	66.700	2.354	D3200		•	60 (18.0")	55 (16.5")	2.2 (32.0)	159.0* (213.0*)	313 (690)	
	420	•	4.150	69.200	2.445	D2500		•	60 (18.0")	55 (16.5")	2.2 (32.0)	161.0* (216.0*)	617 (1.360)	
	600	•	6.400	106.700	3.770	D2500		•	60 (18.0")	55 (16.5")	2.2 (32.0)	210.0* (281.0*)	755 (1.665)	
	880		8.200	136.700	4.826	D2500		•	60 (18.0")	55 (16.5")	2.2 (32.0)	275.0* (374.0*)	830 (1.830)	
	1100		10.860	181.000	6.400	D2100			60 (18.0")	55 (16.5")	2.2 (32.0)	378.0* (507.0*)	1.178 (2.597)	
X-CTH	240		2.470	41.200	1.453	D3300		•	60 (18.0")	55 (16.5")	2.2 (32.0)	94.0* (126.0*)	264 (582)	* power at max pressure kW (hp)

X-CTH : all the components in contact with the fluid (body, flange, bench and lobes) are made of stainless steel (AISI 316)

Air flow: 1 m^3/h = 16.66 l/min = 0.589 CFM. Water flow: 1 m^3/h = 16.66 l/min = 4.403 US GPM

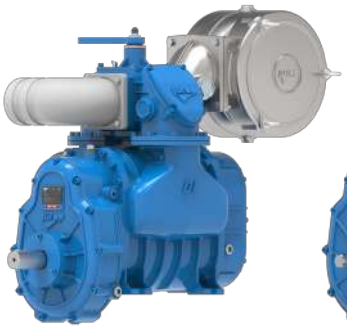
Compressors and lobe pumps (oil free)



DL125



DL180



DL300



DL400

series	model	flow m³/h	flow l/min	flow cfm	rotation speed rpm		HYD drive	vacuum % (in HG)	vacuum % (in HG)	pres. max abs bar (psi)	power max vac. kW (hp)	weight kg (lbs)	type cooling
DL	75	483	8.050	284	M600	M1000	•	88 (26.3")	88 (26.3")	2.0 (29.0)	12.5 (16.8)	153 (337)	**air injection**
	95	594	9.900	350	M600	M1000	•	88 (26.3")	88 (26.3")	2.0 (29.0)	15.7 (21.0)	149 (328)	
	125	744	12.400	440	M600	M1000	•	88 (26.3")	88 (26.3")	2.0 (29.0)	18.7 (25.0)	159 (350)	
	150	900	15.000	530	M600	M1000	•	88 (26.3")	88 (26.3")	2.0 (29.0)	23.7 (31.8)	195 (430)	
	180	1.056	17.600	621	M600	M1000	•	88 (26.3")	88 (26.3")	2.0 (29.0)	27.0 (36.2)	188 (414)	
	220	1.300	21.650	765	M600			88 (26.3")	88 (26.3")	2.0 (29.0)	33.7 (45.2)	215 (474)	
	250	1.500	25.000	883		M1000	•	88 (26.3")	88 (26.3")	2.0 (29.0)	41.0 (55.0)	215 (474)	
	270	1.590	26.500	935	M600			88 (26.3")	88 (26.3")	2.0 (29.0)	42.8 (57.4)	205 (452)	
	300	1.800	30.000	1.060		M1000	•	88 (26.3")	88 (26.3")	2.0 (29.0)	51.0 (69.0)	205 (452)	
	320	1.890	31.500	1.115	M600			89 (26.5")	89 (26.5")	2.0 (29.0)	52.0 (70.0)	245 (540)	
	400	2.160	36.000	1.270		M1000	•	89 (26.5")	89 (26.5")	2.0 (29.0)	61.0 (82.0)	245 (540)	

Volumetric pumps for sludge and liquids, grinder/shredder for liquid bio-waste



VL14



VL100



VLE16



AZ35

series	model	Ex	flow m³/h	flow l/min	flow gpm	rotation speed rpm	reduction ratio	HYD drive	pres. max abs bar	pres. max abs (psi)	power kW (hp)	weight kg (lbs)	
VL	2		12	200	53	1000		•	5.0	(72.5)	4.0 (5.5)	50 (110)	
	4		24	400	106	1000		•	3.0	(43.5)	5.1 (7.0)	60 (132)	
	7	•	42	700	185	540		•	5.0 ÷ 9.0	(72.5 ÷ 130.5)	8.0 (11.0)	97 (214)	
	14	•	82	1.400	370	540		•	5.0 ÷ 9.0	(72.5 ÷ 130.5)	20.0 (27.0)	105 (231)	
	20	•	120	2.000	528	540		•	5.0 ÷ 7.0	(72.5 ÷ 101.5)	25.0 (34.0)	119 (262)	
	27	•	162	2.700	713	540		•	5.0 ÷ 7.0	(72.5 ÷ 101.5)	34.0 (46.0)	146 (322)	
	40	•	240	4.000	1.057	540		•	3.0	(43.5)	42.0 (57.0)	170 (375)	
	17		102	1.700	450	500		•	5.0	(72.5)	24.0 (32.5)	300 (662)	
	35		210	3.500	924	500		•	5.0	(72.5)	46.0 (62.0)	335 (379)	
	50		306	5.100	1.347	500		•	4.0	(58.0)	63.0 (85.0)	380 (838)	
	70		420	7.000	1.850	600		•	6.0	(87.0)	88.0 (118.0)	460 (1.414)	
	70G		378*	6.300*	1.664*	1000	•		5.0*	(72.5*)	88.0 (118.0)	597 (1.316)	
	100		600	10.000	2.640	600		•	5.0	(72.5)	112.0 (150.0)	520 (1.146)	
	100G		540*	9.000*	2.380*	1000	•		4.0*	(58.0*)	112.0 (150.0)	657 (1.448)	
	140		840	14.000	3.698	600		•	4.0	(58.0)	130.0 (174.0)	594 (1.309)	
	140G		756*	12.600*	3.328*	1000	•		3.0*	(43.5*)	130.0 (174.0)	731 (1.611)	
VLE	8		45.4	760	200	600		•	8.0	(116.0)	13.0 (17.4)	135 (298)	
	16		91.2	1.520	401	600		•	6.0	(87.0)	21.0 (28.0)	156 (344)	
	22		136.4	2.274	600	600		•	4.0	(58.0)	20.0 (27.0)	169 (372)	

* performances with gearbox in 1

series	model	max differential pressure bar (psi)		rotation speed rpm	power kW (hp)		max torque Nm	weight kg (ibs)	
AZ	35	5.0	(72.5)	1000	5 ÷ 55	(6.7 ÷ 74)	650	340	(750)

Air flow: 1 m³/h = 16.66 l/min = 0.589 CFM. Water flow: 1 m³/h = 16.66 l/min = 4.403 US GPM

Multy purposes vacuum-centrifugal pumps (JULIA / ITALA / CEN), power take off



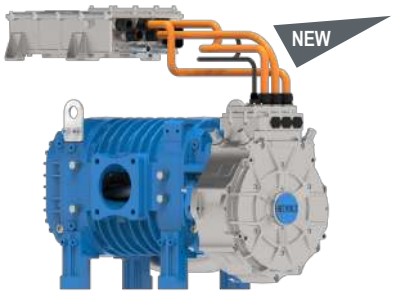
ITALA7000



CEN7000 H08



SI7



EVOLT220

series	model	rotation speed rpm	flow m³/h	flow l/min	head m	power kW (hp)	max flow m³/h	max flow l/min	head m	power kW (hp)	weight kg (lbs)
JULIA	3000	540	108[A]	1.800[A]	58[A]	40[A] (54[A])	180	3.000	56	55 (74)	220 ÷ 360 (485 ÷ 794)
	5000	540	132[A]	2.200[A]	74[A]	58[A] (78[A])	300	5.000	71	90 (121)	220 ÷ 360 (485 ÷ 794)
JULIA	7000	1.000	144[A]	2.400[A]	88[A]	78[A] (105[A])	240	4.000	86	100 (134)	357 ÷ 437 (787 ÷ 963)
ITALA	8000	1.000	270	4.500	22	42 (57)	432	7.200	8	55 (74)	357 ÷ 437 (787 ÷ 963)
	8500	1.000	300	5.000	38	60 (80)	504	8.400	12	95 (127)	357 ÷ 437 (787 ÷ 963)
	9000	1.000	330	5.500	44	78 (105)	450	7.500	38	100 (134)	357 ÷ 437 (787 ÷ 963)



series	model	HYD drive cc/rev	MAX rpm (input)	flow m³/h	flow l/min	head m	power kW	weight kg (lbs)
CEN	1000 H08	8	2.500	42[B]	700[B]	26[B]	4.5[B]	32 (70)
	1000 H06	6	3.000	50[B]	840[B]	37[B]	7.8[B]	35 (77)
	1000 H10	10	3.600	63[B]	1.050[B]	52[B]	13.5[B]	35 (77)
	3000 H63-80	63-80	2.100	108[C]	1.800[C]	58[C]	42[C]	116 - 121 (256 -267)
	7000 H63-80	63-80	2.300	144[C]	2.400[C]	88[C]	78[C]	117 - 122 (258 - 269)
	8000 H41	41	2.300	270	4.500	22	42	112 (247)
	8500 H63-80	63-80	2.300	300	5.000	38	62	121 - 126 (267 - 278)
	9000 H63-80	63-80	2.300	330	5.500	44	78	122 - 127 (269 - 280)

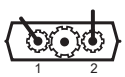
Julia and Itala are provided with 2 power take off. One is applied to a vacuum pump. The other is applied to a torque flow centrifugal pump for sewage waters or to a water high pressure pump (HP: 93-170 l/min; 110-210bar). The following vacuum pumps can be coupled to centrifugal unit:
Julia 3000-5000 with PN 45-58-84-106-130-140, PNR-E 73-83-104-124, LC300-420
Julia 7000-8000-8500-9000-HP with PN 130-140-155-155R, PNR142, LC300-...-750
Itala 7000-8000-8500-9000-HP with DL 150-180-250-300-400

[A] Performance with Ø34mm nozzle. Recommended working condition. Data refer to centrifugal pump.

[B] The hydraulic motor data refer to the centrifugal pump performance shown in the table.

[C] Performance with Ø34 mm nozzle. Conditions: water, density 1000 kg/m³. Viscosity 1cSt. Recommended working condition.

series	model	speed «IN» rpm	power «IN» kW (hp)	speed «OUT 1» rpm	power «OUT 1» kW (hp)	speed «OUT 2» rpm	power «OUT 2» kW (hp)
SI	SI 1	540	40 (53.6)	540	20 (26.8)	1000	20 (26.8)
	SI 2	1000	40 (53.6)	540	20 (26.8)	1000	25 (33.5)
	SI 3	540	45 (60.3)	1000	30 (40.2)	1000	30 (40.2)
	SI 4	540	45 (60.3)	1000	30 (40.2)	1000	30 (40.2)
	SI 5	540	20 (26.8)	540	20 (26.8)	1000	20 (26.8)
	SI 7	1000	100 (134.1)	980	50 (67.0)	1180	55 (74.0)



Lobe pumps with electric motor (60 kW - 540 V)

series	model	flow m³/h	flow l/min	flow cfm	rotation speed rpm	vacuum % (in HG)	vac. continuous % (in HG)	pres. max abs bar (psi)	power max vac. kW (hp)	weight (with motor) kg (lbs)	inverter weight kg (lbs)
EVOLT	60	360	6.000	212	D5000	93 (27.8")	93 (27.8")	2.0 (29.0)	9.8 (13.0)	100 (220)	4,5 (10)
	140	850	14.200	500	D4500	91 (27.3")	91 (27.3")	2.0 (29.0)	24.0 (32.0)	173 (381)	9,8 (22)
	180	1.090	18.200	642	D4500	91 (27.3")	91 (27.3")	2.0 (29.0)	32.0 (43.5)	185 (408)	9,8 (22)
	220	1.280	21.350	755	D4200	93 (27.8")	93 (27.8")	2.0 (29.0)	35.0 (47.0)	192 (423)	9,8 (22)



JUROP compressors and vacuum pumps are designed to operate autonomously and interact with all connected elements of an equipment or plant. JUROP supplies all components for the vacuum line, whether for the construction of a fixed plant or mobile equipment.

1) 4-way valve 2) air filters 3) silencers 4) flame arrestors filter 5) primary shutoff 6) vertical / cyclone secondary shutoff

JUROP reserves the right to make changes without notice.











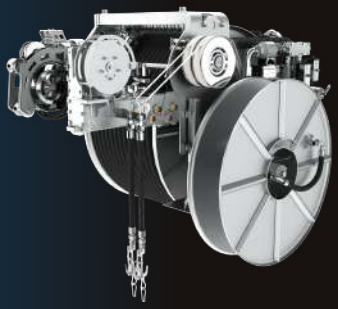




compressors and pumps



powered units



accessories and components



equipment

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