

Product Data - L series (Cooling water Inlet / Outlet 13 → 8°C, Hot water Inlet / Outlet 95 → 80°C)



Model		unit	L30	L40	L50	L60	L75	L90	L110	L135	L155	L180	L210	L240	L270	L300	L340	L375	L420	L470	L525	L600	L675	L750	L825	L900	L975	L1050	L1125	L1300	
Cooling Capacity		kW	105	141	176	211	264	316	387	475	545	633	738	844	949	1,055	1,196	1,319	1,477	1,653	1,846	2,110	2,373	2,637	2,901	3,165	3,428	3,692	3,956	4,571	
		usRT	30	40	50	60	75	90	110	135	155	180	210	240	270	300	340	375	420	470	525	600	675	750	825	900	975	1050	1125	1300	
Chilled water	Temp.	°C	13 / 8																												
	Flow rate	m ³ /h	18.1	24.2	30.2	36.3	45.4	54.4	66.5	81.6	93.7	109	127	145	163	181	206	227	254	284	318	363	408	454	499	544	590	635	680	786	
	P. Drop	mH ₂ O	4.9	5.5	6.4	7.8	6.4	6.8	9.6	10.6	9.5	10.2	9.7	10.1	10.3	10.6	9.4	9.8	9.5	4.3	5.8	3.4	4.6	6.1	5.5	7.0	8.8	5.2	6.4	9.5	
	Connection	mm	65				80			100			125			150			200				250			300			350		
Cooling water	Temp.	°C	31 / 36.5																												
	Flow rate	m ³ /h	39.6	52.8	66.0	79.2	99.0	119	145	178	205	238	277	317	356	396	449	495	554	620	693	792	891	990	1,089	1,188	1,287	1,386	1,485	1,716	
	P. Drop	mH ₂ O	4.6	4.9	7.4	9.3	7.5	7.8	3.8	4.2	4.4	4.6	8.7	8.6	8.6	8.6	8.4	8.5	7.3	10.0	13.4	4.6	6.3	8.2	7.0	9.0	11.2	7.5	9.1	12.1	
	Connection	mm	100				125			150			200			250			300			350			400						
Hot water	Temp.	°C	95 / 80																												
	Flow rate	ton/h	8.4	11.2	14.0	16.8	21.0	25.2	30.8	37.8	43.4	50.4	58.8	67.2	75.6	84.0	95.2	105	118	132	147	168	189	210	231	252	273	294	315	364	
		m ³ /h	8.7	11.6	14.6	17.5	21.8	26.2	32.0	39.3	45.1	52.4	61.1	69.9	78.6	87.3	99.0	109	122	137	153	175	196	218	240	262	284	306	327	378	
	Pressure Drop	Shell	mH ₂ O	0.8	1.1	1.9	2.2	1.5	1.6	0.7	0.8	0.9	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.2	3.0	1.9	2.5	3.3	2.6	3.3	4.1	3.4	4.2	6.2
		Control Valv	mH ₂ O	5.3	3.8	2.2	3.2	5.0	2.9	4.3	2.5	3.3	4.5	2.4	3.2	4.0	5.0	2.4	3.0	3.7	4.7	5.8	3.4	4.3	5.3	1.9	2.3	2.7	3.1	3.6	4.8
	Connection	mm	50				65			80			100			125				150			200								
	Control Valve	mm	40		50			65			80			100			125				150			200							
Electric	Power source	-	3Φ, 380, 60Hz																												
	Abs. Pump	kW(A)	1.2 (4.0)				1.5 (5.5)				2.0 (6.0)				2.4 (7.0)				3.0 (11.0)				4.5 (16.0)								
	Ref. Pump	kW(A)	0.2 (1.1)				0.3 (1.5)				0.4 (1.5)				1.5 (4.0)																
	Purge Pump	kW(A)	0.4 (1.5)												0.75 (2.3)																
	Control Panel	kW(A)	0.2 (0.5)																												
	Total power	kW	2.0				2.4				2.9		3.0			3.4		4.0		5.1			7.0								
	Equipment current	A	7.1				9.0				9.5				10.5		14.5		17.0			22.8									
Size	Length (L)	mm	2,095		2,600		2,634		3,680		3,720		4,740		4,788		4,876		4,998	5,540	6,038	5,644	6,142	6,667	6,246	6,771	7,271	6,860	7,360	8,360	
	Width (W)	mm	1,062				1,229				1,472				1,480		1,597		1,836			2,208			2,379			2,929			
	Height (H)	mm	1,880				2,255				2,257				2,540		2,832		3,174			3,600			3,867			4,000			
Weight	Rigging	ton	2.1	2.2	2.6	2.7	3.6	3.7	4.6	4.8	5.5	5.8	6.8	7.1	8.8	9.2	10.5	10.9	14.7	16.0	17.2	19.3	21.6	23.9	26.2	28.5	30.8	33.1	35.4	40.0	
	Operation	ton	2.3	2.5	2.9	3.1	4.1	4.2	5.2	5.5	6.4	6.8	7.9	8.4	10.4	10.9	12.5	13.1	17.8	19.4	20.8	23.3	26.1	29.0	31.8	34.6	37.5	40.3	43.2	49.0	

Product Data - L series (Cooling water Inlet / Outlet 13 → 8°C, Hot water Inlet / Outlet 115 → 80°C)



Model		unit	L30	L40	L50	L60	L75	L90	L110	L135	L155	L180	L210	L240	L270	L300	L340	L375	L420	L470	L525	L600	L675	L750	L825	L900	L975	L1050	L1125	L1300	
Cooling Capacity		kW	127	169	211	253	316	380	464	570	654	760	886	1,013	1,139	1,266	1,435	1,582	1,772	1,983	2,215	2,532	2,848	3,165	3,481	3,798	4,114	4,431	4,747	5,485	
		usRT	36	48	60	72	90	108	132	162	186	216	252	288	324	360	408	450	504	564	630	720	810	900	990	1,080	1,170	1,260	1,350	1,560	
Chilled water	Temp.	°C	13 / 8																												
	Flow rate	m³/h	21.8	29.0	36.3	43.5	54.4	65.3	79.8	98.0	112	131	152	174	196	218	247	272	305	341	381	435	490	544	599	653	708	762	816	943	
	P. Drop	mH ₂ O	6.8	7.6	4.7	5.7	4.7	4.9	6.0	6.6	6.0	6.4	4.4	4.6	4.8	4.9	4.3	4.5	4.4	6.0	8.0	4.7	6.4	8.4	7.6	9.7	12.1	7.3	8.9	13.3	
	Connection	mm	65		80		100		125			150			200			250			300										
Cooling water	Temp.	°C	31 / 36.5																												
	Flow rate	m³/h	47.2	62.9	78.6	94.3	118	141	173	212	244	283	330	377	424	472	534	590	660	739	825	943	1,061	1,179	1,297	1,415	1,533	1,651	1,769	2,044	
	P. Drop	mH ₂ O	8.6	9.1	10.4	12.9	5.4	5.7	6.5	7.1	6.7	6.8	14.9	14.6	14.3	13.8	14.3	11.2	11.0	8.6	11.5	11.6	8.2	10.9	9.4	11.9	14.9	9.8	12.0	12.6	
	Connection	mm	100		125			150			200			250			300			350			400			450					
Hot water	Temp.	°C	115 / 80																												
	Flow rate	ton/h	4.3	5.7	7.1	8.5	10.7	12.8	15.6	19.2	22.0	25.6	29.8	34.1	38.3	42.6	48.3	53.3	59.7	66.8	74.6	85.2	95.9	107	117	128	138	149	160	185	
		m³/h	4.5	6.0	7.5	9.0	11.2	13.5	16.5	20.2	23.2	27.0	31.5	36.0	40.5	45.0	51.0	56.2	63.0	70.5	78.7	90.0	101	112	124	135	146	157	169	195	
	Pressure Drop	Shell	mH ₂ O	1.4	1.6	3.1	3.1	2.9	3.0	1.3	1.4	1.4	1.5	3.2	3.1	3.0	3.0	3.2	3.1	3.2	4.4	5.9	3.7	5.0	6.6	0.9	1.1	1.4	1.1	1.4	2.1
		Control Valv	mH ₂ O	3.6	6.4	3.9	5.6	3.5	5.0	2.8	4.3	2.2	3.0	4.1	5.4	2.7	3.3	1.7	2.1	2.6	3.2	1.5	2.0	2.6	1.4	1.7	2.0	2.4	2.8	3.2	4.2
	Connection	mm	50			65			80			100						125			150										
Control Valve	mm	25		40			50			65			80			100			125			150									
Electric	Power source	-	3Φ, 380, 60Hz																												
	Abs. Pump	kW(A)	1.2 (4.0)			1.5 (5.5)			2.0 (6.0)			2.4 (7.0)			3.0 (11.0)			4.5 (16.0)													
	Ref. Pump	kW(A)	0.2 (1.1)			0.3 (1.5)			0.4 (1.5)						1.5 (4.0)																
	Purge Pump	kW(A)	0.4 (1.5)												0.75 (2.3)																
	Control Panel	kW(A)	0.2 (0.5)																												
	Total power	kW	2.0			2.4			2.9			3.0			3.4			4.0			5.1			7.0							
	Equipment current	A	7.1			9.0			9.5			10.5			14.5			17.0			22.8										
Size	Length (L)	mm	2,095		2,600		2,634		3,680		3,720		4,740		4,788		4,876		4,998	5,540	6,038	5,644	6,142	6,667	6,246	6,771	7,271	6,860	7,360	8,360	
	Width (W)	mm	1,062			1,229			1,472			1,480			1,597			1,836			2,208			2,379			2,929				
	Height (H)	mm	1,880			2,255			2,257			2,540			2,832			3,174			3,600			3,867			4,000				
Weight	Rigging	ton	2.1	2.2	2.6	2.7	3.6	3.7	4.6	4.8	5.5	5.8	6.8	7.1	8.8	9.2	10.5	10.9	14.7	16.0	17.2	19.3	21.6	23.9	26.2	28.5	30.8	33.1	35.4	40.0	
	Operation	ton	2.3	2.5	2.9	3.1	4.1	4.2	5.2	5.5	6.4	6.8	7.9	8.4	10.4	10.9	12.5	13.1	17.8	19.4	20.8	23.3	26.1	29.0	31.8	34.6	37.5	40.3	43.2	49.0	