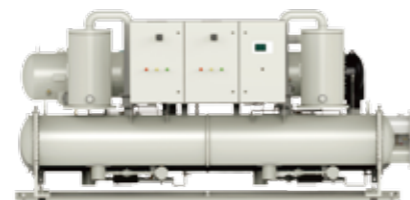




High-efficiency Water-cooled Screw Chiller

This series of water cooled screw chiller adopts the advanced semi-enclosed dual-screw compressor, plus R134a eco-friendly refrigerant and vertical oil separator, to guarantee long time stable operation, high efficiency and energy saving; it is widely applicable to various kinds of office buildings, hospitals, schools, shopping centers and also applicable for cooling of production processing.



Display panel



Comprehensive protection



Self-diagnosis



Memory function



Easier maintainability

- Precision water temperature control thanks to stepless capacity adjustment from 25%~100%.(single comp.) or 12.5%~100%(dual comp.).
- Higher heat exchange efficiency thanks to flooded evaporating method.
- Higher efficiency under partial load thanks to paralleling operation design.
- High reliability oil return technology to avoid compressor damage from oil lack.
- Precision and stable volume adjusting thanks to orifice plus EXV throttle method.
- Automatic operation and energy saving operation makes an easier management.



Operating condition of nominal cooling (water temperature)				Operating range (water temperature)			
Chilled water		Cooling water		Chilled water		Cooling water	
Inlet()	Outlet()	Inlet()	Outlet()	Outlet()	I/O difference()	Inlet()	I/O difference()
-	7	30	-	4~15	2.5~8	18~35	3.5~8

Model		LSBLG270HE/Nb-M	LSBLG300HE/Nb-M	LSBLG350HE/Nb-M	LSBLG380HE/Nb-M	LSBLG430HE/Nb-M	LSBLG460HE/Nb-M	
Cooling capacity	kW	265	298	345	372	430	460	
	RT	75.4	84.7	98.1	105.8	122.3	130.8	
Capacity steps	%	25-100	25-100	25-100	25-100	25-100	25-100	
EER	W/W	5.94	5.98	6.05	6.09	6.09	6.06	
IPLV	W/W	6.79	6.92	6.97	7.02	6.99	6.91	
Power supply	Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	44.6	49.8	57.0	61.1	70.6	75.9	
RLA	A	588	588	588	640	640	730	
Compressor	Type	Semi-hermetic twin screw comp.						
	Starting mode	Y-△						
	Quantity	1	1	1	1	1	1	
Refrigerant charge volume	kg	85	100	105	110	115	130	
Refrigeration oil	Type	CPI-Solest-170						
	Charge volume	L	20	20	23	23	23	23
Evaporator	Type	Flooded type shell and tube evaporator						
	Fouling factor	m ² ·c/kW	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow volume	m ³ /h	46	51	59	64	74	79
		GPM	201	226	261	282	326	348
	Pressure drop	kPa	56	52	48	52	53	49
		ft.WG	18	17	16	17	17	16
Connection pipe	—	Flanged connection						
Condenser	Type	Vertical type shell and tube condenser						
	Fouling factor	m ² ·c/kW	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow volume	m ³ /h	57	64	74	80	92	99
		GPM	251	282	327	352	407	435
	Pressure drop	kPa	57	56	55	57	56	55
		ft.WG	19	18	18	19	18	18
Connection pipe	—	Flanged connection						
Outline dimension (WxDxH)	mm	3170x1188x1680	3170x1188x1680	3175x1365x1959	3175x1365x1959	3175x1365x1959	3240x1465x2040	
Net/Gross/Operating weight	kg	2300/2400/2438	2330/2430/2470	2750/2850/2915	2780/2880/2947	2800/2900/2968	3350/3450/3551	

Model		LSBLG490HE/Nb-M	LSBLG550HE/Nb-M	LSBLG600HE/Nb-M	LSBLG670HE/Nb-M	LSBLG700HE/Nb-M	LSBLG760HE/Nb-M	LSBLG850HE/Nb-M	
Cooling capacity	kW	490	550	600	670	705	752	850	
	RT	139.3	156.4	170.6	190.5	200.5	213.8	241.7	
Capacity steps	%	25-100	25-100	25-100	25-100	12.5-100	12.5-100	12.5-100	
EER	W/W	6.1	6.06	6.06	6.06	6.06	6.06	6.13	
IPLV	W/W	7.02	6.90	6.93	6.93	6.97	6.99	7.07	
Power supply	Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	80.4	90.7	99.0	110.5	116.4	124.0	138.6	
RLA	A	800	800	950	950	580	640	640	
Compressor	Type	Semi-hermetic twin screw comp.							
	Starting mode	Y-△							
	Quantity	1	1	1	1	2	2	2	
Refrigerant charge volume	kg	140	150	180	190	100+100	110+110	120+120	
Refrigeration oil	Type	CPI-Solest-170							
	Charge volume	L	23	23	28	28	23+23	23+23	23+23
Evaporator	Type	Flooded type shell and tube evaporator							
	Fouling factor	m ² ·c/kW	0.018	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow volume	m ³ /h	84	95	103	115	121	129	146
		GPM	371	417	454	507	534	569	644
	Pressure drop	kPa	54	54	52	53	52	59	65
		ft.WG	18	18	17	17	17	19	21
Connection pipe	—	Flanged connection							
Condenser	Type	Vertical type shell and tube condenser							
	Fouling factor	m ² ·c/kW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow volume	m ³ /h	105	118	129	144	152	162	183
		GPM	464	521	568	634	667	712	805
	Pressure drop	kPa	57	54	54	54	54	60	64
		ft.WG	19	18	18	18	18	20	21
Connection pipe	—	Flanged connection							
Outline dimension (WxDxH)	mm	3240x1465x2040	3240x1465x2040	3240x1508x2100	3240x1508x2100	3485x1530x2185	3485x1530x2185	3485x1530x2185	
Net/Gross/Operating weight	kg	3370/3470/3572	3400/3500/3604	3830/3930/4070	3880/3980/4125	5250/5400/5565	5330/5480/5650	5380/5530/5703	

Model		LSBLG920HE/Nb-M	LSBLG980HE/Nb-M	LSBLG1100HE/Nb-M	LSBLG1200HE/Nb-M	LSBLG1300HE/Nb-M	LSBLG1400HE/Nb-M	LSBLG1480HE/Nb-M	
Cooling capacity	kW	920	980	1100	1200	1300	1400	1480	
	RT	261.6	278.7	312.8	341.2	369.6	398.1	420.8	
Capacity steps	%	12.5-100	12.5-100	12.5-100	12.5-100	12.5-100	12.5-100	12.5-100	
EER	W/W	6.06	6.09	6.19	6.31	6.31	6.33	6.32	
IPLV	W/W	6.91	7.02	7.06	7.24	7.07	6.98	6.91	
Power supply	Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	151.8	160.8	177.6	190.3	205.8	221.2	234	
RLA	A	730	800	800	950	950	950	950	
Compressor	Type	Semi-hermetic twin screw comp.							
	Starting mode	Y-△							
	Quantity	2	2	2	2	2	2	2	
Refrigerant charge volume	kg	135+135	140+140	155+155	180+180	190+190	210+210	210+210	
Refrigeration oil	Type	CPI-Solest-170							
	Charge volume	L	23+23	23+23	23+23	28+28	28+28	28+28	28+28
Evaporator	Type	Flooded type shell and tube evaporator							
	Fouling factor	m ² ·c/kW	0.018	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow volume	m ³ /h	158	169	189	206	224	241	255
		GPM	697	742	833	909	984	1060	1121
	Pressure drop	kPa	70	68	67	99	97	96	98
		ft.WG	23	22	22	32	32	31	32
Connection pipe	—	Flanged connection							
Condenser	Type	Vertical type shell and tube condenser							
	Fouling factor	m ² ·c/kW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow volume	m ³ /h	198	211	237	258	280	301	318
		GPM	871	928	1041	1136	1231	1325	1401
	Pressure drop	kPa	77	76	76	107	108	106	108
		ft.WG	25	25	25	35	35	35	35
Connection pipe	—	Flanged connection							
Outline dimension (WxDxH)	mm	4020x1600x2200	4020x1600x2200	4020x1600x2200	4550x1800x2200	4550x1800x2200	4550x1800x2200	4550x1800x2200	
Net/Gross/Operating weight	kg	6350/6500/6731	6380/6530/6763	6420/6570/6805	7790/7940/8282	7850/8000/8345	7900/8050/8398	7950/8100/8451	

Note:Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.