

Air cooled chiller & heat pump

YLCD-YLHD 0025 to 0150



Technical features

T Three phases supply C/P Hydro Pack H Heat pump

Models			YLCD / YLHD					
			0025 TC	0040 T-TP	0070 T-TP	0100 T-TP	0120 T-TP	0150 T-TP
Performance	Cooling capacity c/o units (1)	kW	24.6	39.8	69.5	98.4	118.5	144.5
	Total Input Power (1)	kW	8.45	15.13	27.36	37.41	44.72	56.67
	EER (1)		2.91	2.63	2.54	2.63	2.65	2.55
	Cooling capacity h/p units (1)	kW	23.6	39.8	67.5	95.4	116.5	142.5
	Heating capacity h/p units (1)	kW	23.4	43.2	72.5	104.6	120.1	159.5
	Total Input Power cool/heat mode (1)	kW	8.14 / 8.18	15.13 / 15.6	26.57 / 26.46	36.27 / 37.63	42.21 / 43.2	60.13 / 59.07
	EER / COP (1)		2.9 / 2.86	2.63 / 2.77	2.54 / 2.74	2.63 / 2.78	2.76 / 2.78	2.37 / 2.7
	Capacity steps	%	100	50-100			25-50-75-100	
Compressor	Sound power level	dB(A)	81	83	86	86	86	87
	Type		Scroll					
Air side heat exchanger	Quantity		1	2	2	4	4	4
	Fans quantity		1	2	2	4	4	4
	Nominal air flow	m ³ /h	8 100	18 000	23 000	36 000		48 000
	Nominal static pressure	Pa	100					
Water side heat exchanger	Working ambient temp. cool. / heat. mode		(4) (-18°C) ~ 46°C / -10°C ~ 20°C			-18°C ~ 46°C / -10°C ~ 20°C		
	Type		Single plate heat exchanger			Dual plate heat exchanger		
	Unit water volume	Litres	32	84	92	193	195	214
	Pump Type		Multistage horizontal pump					
Dimensions & Weight	Nominal water flow	l/h	4 300	6 880	12 040	17 030	20 470	24 940
	Available pressure (1) (2)	kPa	208	105	120	187	202	186
	Pressure drop (1) (3)	kPa	-	31	53	54	32	24.5
	Working range water leaving temperature cooling / heating (5)		-5°C ~ 15°C / 30°C ~ 50°C					
EI. supply	Water connections	inch	1-1/4"	2"		2-1/2"		
	Height	mm	1 526	1 794	1 794	2 460	2 460	2 480
	Width	mm	1 740	2 659	2 659	3 466	3 416	3 768
	Depth	mm	785	897	897	1 101	1 101	1 101
EI. supply	Weight without pack / pack c/o	kg	- / 390	730 / 770	740 / 780	1 264 / 1 360	1 264 / 1 360	1 680 / 1 776
	Weight without pack / pack h/p	kg	- / 400	750 / 790	760 / 800	1 284 / 1 380	1 284 / 1 380	1 700 / 1 796
EI. supply	Voltage / Phases / Frequency	V/ph/hz	400 / 3 / 50 + N + E					

YLCD: Cooling only units models. YLHD: Air to water heat pump models.

(1) net values at Eurovent nominal conditions (2) version P with hydro kit with filter (3) version without hydro kit (4) -18°C with LAK option (5) below 6°C with glycol
Nominal conditions: Cooling capacities in kW given for 7°C water leaving temperature Δt 5°C and 35°C ambient temperature
Heating capacities in kW given for 45°C water leaving temperature and 7°C ambient temperature

Compatibility table / Codes

Models	-	0040 T	0070 T	0100 T	0120 T	0150 T
Cooling only unit YLCD	-	S668594083	S668597083	S668591083	S668591283	S668591583
Heat pump unit YLHD	-	S668574083	S668577083	S668571083	S668571283	S668571583
Models	0025 TC	0040 TP	0070 TP	0100 TP	0120 TP	0150 TP
Cooling only unit YLCD	S668592580	S668594080	S668597080	S668591080	S668591280	S668591580
Heat pump unit YLHD	S668572580	S668574080	S668577080	S668571080	S668571280	S668571580

Use this unit code when a factory fitted option is NOT required

Accessories (Supplied loose)

AVM mounting	S613029002	S613028180	S613021580
Flow switch		S611992021	
Remote control		S613802011	
Remote terminal	S613802231		-
Cable for remote connection of the terminal	-		S613802241
B.M.S. Communication	S613802041		S613802051

Models	-	0040 T	0070 T	0100 T	0120 T	0150 T
Cooling only unit YLCD	-	S668000264	S668000268	S668000272	S668000276	S668000280
Heat pump unit YLHD	-	S668000266	S668000270	S668000274	S668000278	S668000282
Models	0025 TC	0040 TP	0070 TP	0100 TP	0120 TP	0150 TP
Cooling only unit YLCD	S668000262	S668000265	S668000269	S668000273	S668000277	S668000281
Heat pump unit YLHD	S668000263	S668000267	S668000271	S668000275	S668000279	S668000283

Use this unit code when a factory fitted option is required

Options (Factory fitted)

Low noise	NA	S613990550	NA	S613991050	S613991285	S613991584
Dual pump	NA	NA	NA	S613991040	S613991286	S613991585
Coil guard net		Standard		S613995093		S613995094
Low Ambient Kit	S613114085	S613111085		Standard		
Soft start	S606744692	S606744693		S606744694		
Vertical air discharge	S612828405	S612828205		Standard		
Copper/copper condenser		Contact Johnson Controls				



Manufacturer reserves the rights to change specifications without prior notice.

