

YLCD-YLHD

Air cooled chiller / heat pump

YLCD-YLHD 25 to 150

A complete range from 25 kW up to 150 kW



Available
during 2011

NEW



Features

- Centrifugal or radial fans
- Scroll compressor
- Vertical and horizontal discharge
- Integrated Hydro kit (P versions)
- LAK (-18°C) standard
- Flow switch standard

Options / Accessories

- Coated condenser fins (blue fin)
- Antivibration mounting
- Remote control / Remote terminal
- BMS communication

Air cooled chiller & heat pump

YLCD-YLHD 25 to 150



Technical features (Preliminary data)

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

Models			YLCD / YLHD					
			25 TC	40 T-TP	70 T-TP	100 T-TP	120 T-TP	150 T-TP
Performance	Cooling capacity c/o units (1)	kW	25	40	70	100	120	150
	Other performance data		Contact Johnson Controls					
	Cooling capacity h/p units (1)	kW	25	40	70	100	120	150
	Heating capacity h/p units (1)	kW	25	40	70	100	120	150
	Other performance data		Contact Johnson Controls					
Compressor	Type		Scroll					
	Quantity		1	2	2	4	4	4
Air side heat exchanger	Fans quantity		1	2	2	4	4	4
	Air flow (50 Pa)	m³/h	6 500	11 000	14 500	18 000	20 000	24 000
	Working ambient temp. cool. / heat. mode		(4) (-18°C) ~ 46°C / -10°C ~ 20°C			-18°C ~ 46°C / -10°C ~ 20°C		
Water side heat exchanger	Type		Single plate heat exchanger			Dual plate heat exchanger		
	Unit water volume	Litres	3,2	71	71	168	170	179
	Pump Type		Multistage horizontal pump					
	Nominal water flow	l/h	4 500	6 900	12 000	16 860	20 470	25 970
	Available pressure (1) (2)	kPa	182	105	145	190	202	186
	Pressure drop (1) (3)	kPa	-	75	56	60	32	28
	Working range water leaving temperature cooling / heating (5)		-5°C ~ 15°C / 30°C ~ 50°C					
	Water connections	inch	1-1/4"	2"		2-1/2"		
Dimensions & Weight	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	3 770
	Depth	mm	785	897	897	1 101	1 101	1 101
	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
El. 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	-	40 T	70 T	100 T	120 T	150 T
Cooling only unit YLCD	-	S668594083	S668597083	S668591083	S668591283	S668591583
Heat pump unit YLHD	-	S668574083	S668577083	S668571083	S668571283	S668571583
Models	25 TC	40 TP	70 TP	100 TP	120 TP	150 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
Vertical air discharge	S612828405	S612828205	Standard

Models	-	40 T	70 T	100 T	120 T	150 T
Cooling only unit YLCD	-	S668000264	S668000268	S668000272	S668000276	S668000280
Heat pump unit YLHD	-	S668000266	S668000270	S668000274	S668000278	S668000282
Models	25 TC	40 TP	70 TP	100 TP	120 TP	150 TP
Cooling only unit YLCD	S668000262	S668000265	S668000269	S668000273	S668000277	S668000281
Heat pump unit YLHD	S668000263	S668000267	S668000271	S668000275	S668000279	S668000283

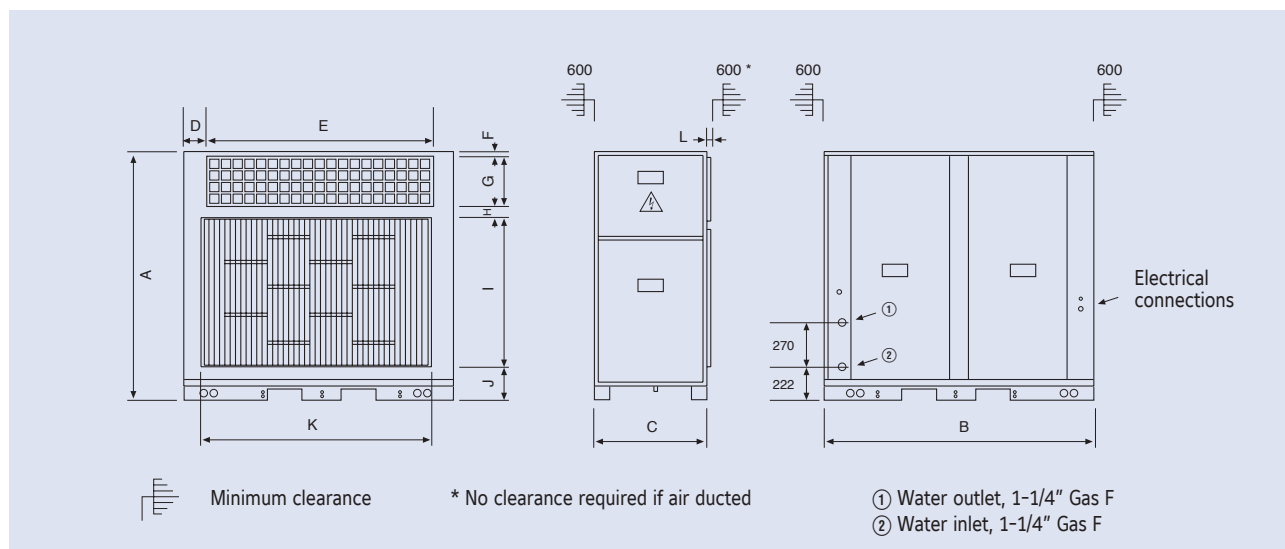
Use this unit code when a factory fitted option is required

Options (Factory fitted)

Low noise	NA	NA	NA	S613991050	S613991285	S613991584
Dual pump	NA	NA	NA	S613991040	S613991286	S613991585
Coil guard net	Standard			S613995093		613995094
Low Ambient Kit	S613114084	S613111084		Standard		
Soft start	S606744692	S606744693		S606744694		
Copper/copper condenser	Contact Johnson Controls					

Dimensions, hydraulic connections and space requirements

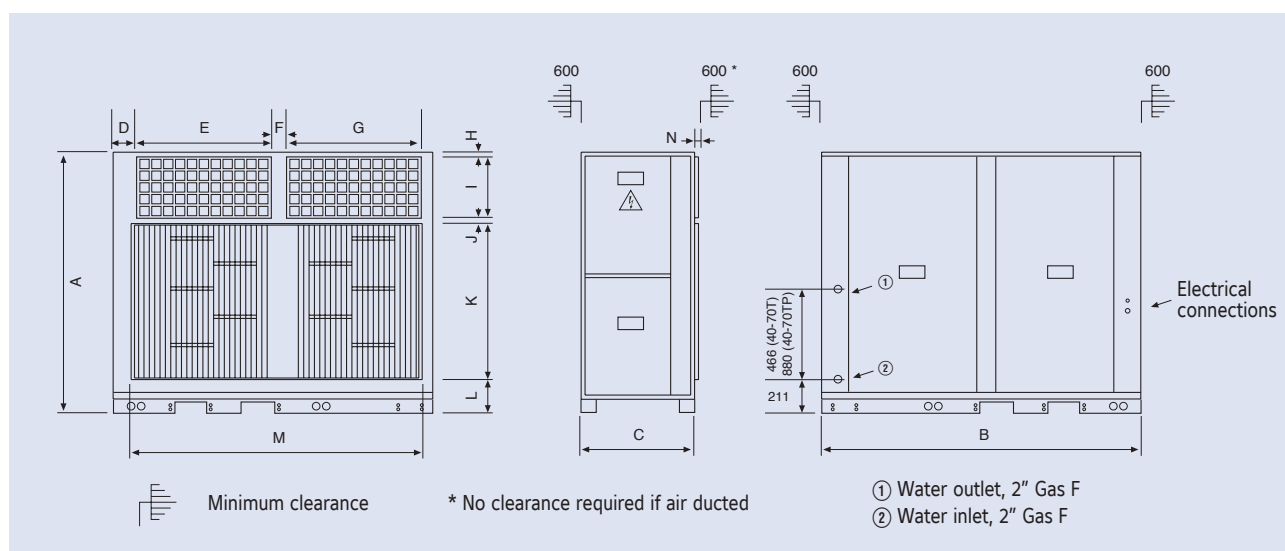
YLCD / YLHD 25 TC



All dimensions in mm. Drawings not a scale.

Unit	A	B	C	D	E	F	G	H	I	J	K	L
YLDC/YLHD 25 TC	1 526	1 740	785	151	1436	30	324	37	994	141	1476	24

YLCD / YLHD 40-70 T/TP

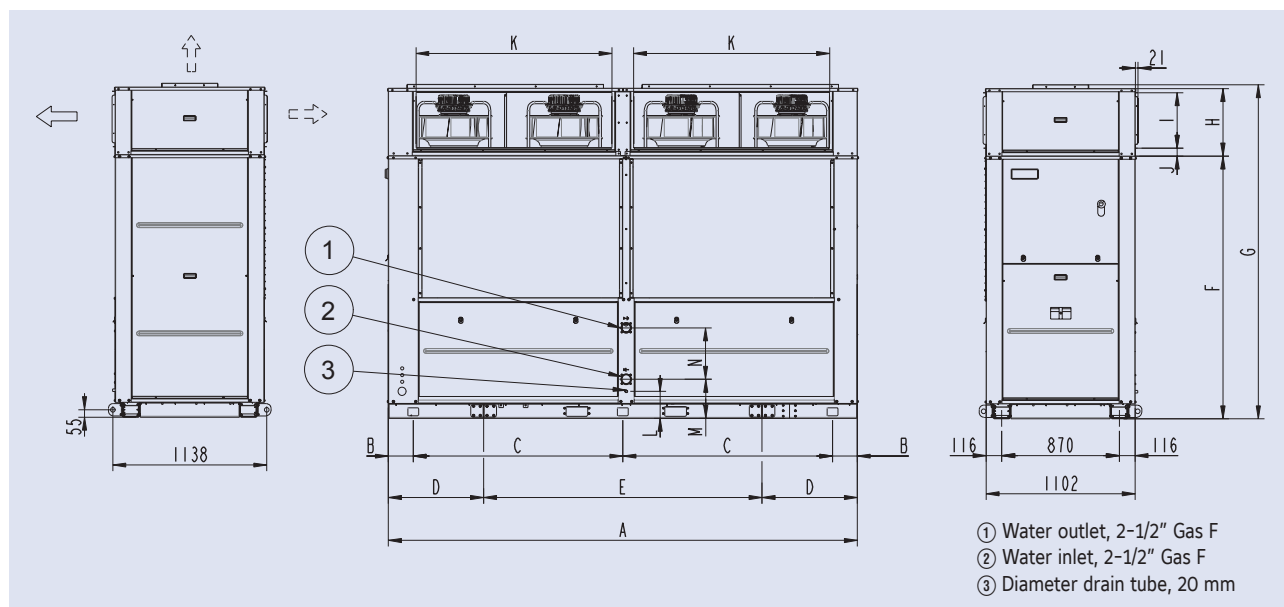


All dimensions in mm. Drawings not a scale.

Unit	A	B	C	D	E	F	G	H	I	J	K	L	M	N
YLDC/YLHD 40 T/TP	1 794	2 658	897	148	1155	95	1155	30	389	37	1 200	138	2 479	23
YLDC/YLHD 70 T/TP	1 794	2 658	897	148	1155	95	1155	30	389	37	1 200	138	2 479	23

Dimensions, hydraulic connections and space requirements

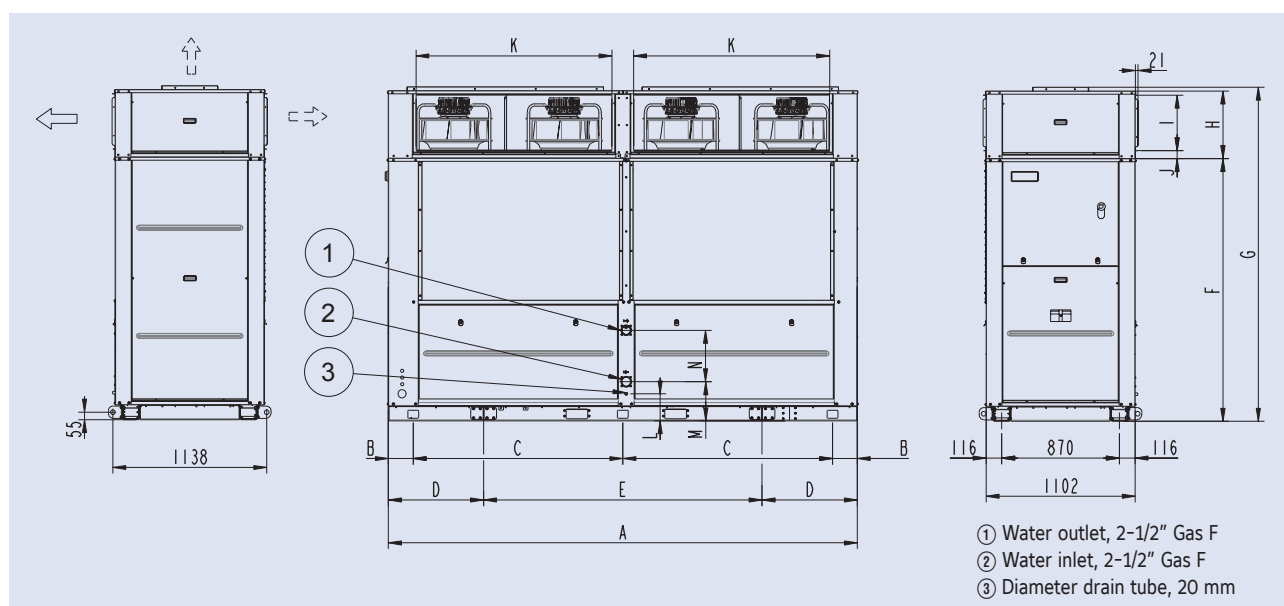
YLCD / YLHD 100-120 T/TP



All dimensions in mm. Drawings not a scale.

Unit	A	B	C	D	E	F	G	H	I	J	K	L	M	N
YLDC/YLHD 100 T/TP	3 466	183	1 550	704	2 058	1 942	2 460	500	410	59	1 450	200	290	380
YLDC/YLHD 120 T/TP	3 416	183	1 525	604	2 208	1 942	2 460	500	418	55	1 438	200	290	380

YLCD / YLHD 150 T/TP



All dimensions in mm. Drawings not a scale.

Unit	A	B	C	D	E	F	G	H	I	J	K	L	M	N
YLDC/YLHD 150 T/TP	3 768	254	1 630	605	2 558	1 992	2 480	470	386	55	1 617	410	210	458