

# CUBIGEL, 1/2 Hp, ELECTROLUX, COMPRESSEUR, ZANUSSI, P12TN, HMBP, R22, 220/240V 50Hz

written by mahdi miled | 2 January 2021

## **Détails techniques**

puissance 1/2 Hp – cylindrée 12,00 cm<sup>3</sup>

220/240V 50Hz

CUBIGEL

## **ZANUSSI**

**Zanussi Armoire réfrigérée** ALP221 (110495), ALN221 (110501),  
AKP221 (111678), AKP221 (111685), DVP110V12V (730236),  
DVP111V12V (730237), MVP112V12V (730238), EDVN1100 (730239),  
EDVN1101 (730240), DVP130V12V (730260), DVP131V12V (730261),  
EEVNI1301 (730262), EEVN1300 (730263), EEVN1301 (730264),  
DVN130V12V (730265), EDVN1300 (730266), MVP130V12V (730277),  
MVP131V12V (730278), EMVN1300 (730289), EMVN1300 (730290),  
MVP110V12V (730297), MVP111V12V (730298), EMVN1100 (730305),  
EMVN1101 (730306), EDVP1302 (730315), EDVN1302 (730321),  
CA45ALHG (730331), CA45SSHG (730347), CA45ALCG (730348),  
CA45SSCG (730349), CA38ALHG (730364), CA38SSHG (730365),  
CA38ALCG (730366), CA38SSCG (730367), CA45ALMG (730403),  
CA45SSMG (730405), CA38ALMG (730417), CA38SSMG (730422),  
DVP13V14V (734021)

**Zanussi Cellule de** refroidissement BC11 (110010), BCF11  
(110016), EEVA10/1 (739021), EEVAC10/1 (739027), ATPE061  
(771000), ATCE061 (771006)



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# COMPRESSEURS, 1/6, RSIR/RSCR, 124W, CUBIGEL / ACC, TUBED, R600A, 1PH, HPKD190A, COMPRESSOR – HPKD190A, R600A, Compresseur Zel

written by Lilianne | 2 January 2021



## R600a

型号	电机	转速范围	排气量	电机类型	制冷量	输入功率	性能系数	高度	重量	认证
Model	Motor	Speed Range	Displ.	Motor Type	Cooling Capacity	Input Power	COP	Height	Net Weight	Certification
		rpm	cm <sup>3</sup>		w	w	w/w	mm	kg	
<b>220-240V/50Hz</b>										
<b>T系列变频 T Series VSC</b>										
HKD66FSK	Al	1400-4000	6.6	PMSM	45-150	26-85	Up to 1.90	163	7.1	
HKD75FSK	Al	1400-4000	7.5	PMSM	52-170	29-96	Up to 1.90	163	7.1	
HKD86FSK	Al	1400-4000	8.6	PMSM	60-190	35-105	Up to 1.90	163	7.1	
HKD93FSK	Al	1400-4000	9.3	PMSM	70-210	40-125	Up to 1.90	163	7.1	
HKD10FSK	Al	1400-4000	10.5	PMSM	83-235	49-132	Up to 1.90	163	7.1	CCC
HKD12FSK	Al	1400-4000	11.5	PMSM	95-270	51-154	Up to 1.90	163	7.1	CCC
HKD66FSK I	Cu	1400-4000	6.6	PMSM	45-150	25-82	Up to 1.95	163	8.0	
HKD75FSK I	Cu	1400-4000	7.5	PMSM	52-170	28-93	Up to 1.95	163	8.0	
HKD86FSK I	Cu	1400-4000	8.6	PMSM	60-190	32-102	Up to 1.95	163	8.0	
HKD93FSK I	Cu	1400-4000	9.3	PMSM	70-210	38-115	Up to 1.95	163	8.0	
HKD10FSK I	Cu	1400-4000	10.5	PMSM	83-235	44-123	Up to 1.95	163	8.0	CCC
HKD12FSK I	Cu	1400-4000	11.5	PMSM	95-270	50-146	Up to 1.95	163	8.0	CCC
<b>Z系列变频 Z Series VSC</b>										
HXZ150FSM	Al	1200-4200	6.5	PMSM	42-150	23-80	Up to 1.90	145	6.9	-
HXZ170FSM	Al	1200-4200	7.0	PMSM	50-170	26-92	Up to 1.90	145	6.9	-
HXZ200FSM	Al	1200-4200	8.6	PMSM	56-200	30-103	Up to 1.90	145	6.9	-
HXZ220FSM	Al	1200-4200	9.2	PMSM	68-220	36-120	Up to 1.90	145	6.9	-
HXZ240FSM	Al	1200-4200	9.5	PMSM	75-240	39-125	Up to 1.90	145	6.9	-
HDZ150FSM	Al	1200-4200	6.5	PMSM	42-150	25-88	Up to 1.80	145	6.3	-
HDZ170FSM	Al	1200-4200	7.0	PMSM	50-170	27-98	Up to 1.80	145	6.3	-
HDZ200FSM	Al	1200-4200	8.6	PMSM	56-200	30-110	Up to 1.80	145	6.3	-
HDZ220FSM	Al	1200-4200	9.2	PMSM	68-220	40-132	Up to 1.80	145	6.3	-
HDZ240FSM	Al	1200-4200	9.5	PMSM	75-240	43-136	Up to 1.80	145	6.3	-

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HPKD190A

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**ELECTROLUX, CUBIGEL,  
Compresseur, GL90TB, R-134a,  
1 / 4HP++ (big), 230V, RSCR,  
HMBP**

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Type: Compresseurs à pistons hermétiques

Producteur: ACC

Série: HMBP

Modèle: GL90BH

#### Données GENERALES

Réfrigérant:	R134a	
Élément de décharge:	C	
Refroidissement:	0C	
Température ambiante maximale [°C ]:	43	

#### Données du compresseur

Cylindrée [cm <sup>3</sup> ]:	9,1	
Déplacement [m <sup>3</sup> / h ]:	1,6	
Poids [kg ]:	11,1	
Charge d'huile [cm <sup>3</sup> ]:	470	
Type d'huile:	ISO VG 19 ESTER	

#### Données du moteur

Type de moteur:	RSCR	
Puissance [KM ]:	1/4	
Élément de départ:	LST	
Source de courant:	220V 50Hz	
Gamme de tension:	187-264	
Courant rotor bloqué [A ]:	13,8	
Résistance d'enroulement en marche (25 ° C) [Ω ]:	8,97	
Résistance d'enroulement de démarrage (25 ° C) [Ω ]:	18,05	

#### Données électriques

Relais:	3003	
Élément de blindage:		
Volume du condensateur de démarrage [ $\mu$ F ]:	6/400	

### Connexions

	millimètres	pouces	
Le tube d'aspiration:	6,5		
Tube de service:	6,5		
Tube de décharge:	4,9		
Tube de refroidisseur d'huile:		4,9	

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R134a

### Capacité de refroidissement [W ]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-dix
40	114	162	218	282	355	435
45	104	148	200	261	330	407
50	93	134	183	240	305	379
55	82	119	165	219	281	351
60	72	105	147	198	256	323

### Puissance absorbée [W ]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-dix
40	123	145	167	189	212	235
45	122	145	168	192	216	240
50	121	145	170	195	220	245
55	120	145	171	197	223	250
60	119	146	173	200	227	255

### Actuel [A ]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-dix
40	0,64	0,75	0,85	0,95	1,05	1.14
45	0,63	0,74	0,86	0,96	1,06	1,16
50	0,62	0,74	0,86	0,97	1,08	1,18
55	0,61	0,74	0,86	0,98	1,09	1,20
60	0,60	0,73	0,86	0,99	1.10	1,22

### Débit massique [kg / s ]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-dix
40	0,55	0,85	1,23	1,68	2,20	2,80
45	0,48	0,77	1.14	1,58	2,09	2,67
50	0,41	0,69	1,04	1,47	1,97	2,54
55	0,34	0,61	0,95	1,36	1,85	2,41
60	0,27	0,52	0,86	1,26	1,73	2,28

### COP [W / W ]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-dix
40	0,93	1.12	1,31	1,49	1,67	1,85
45	0,85	1,02	1,19	1,36	1,53	1,70
50	0,77	0,92	1,08	1,23	1,39	1,55
55	0,69	0,82	0,96	1.11	1,26	1,40
60	0,60	0,72	0,85	0,99	1.13	1,26

Conditions de fonctionnement: ASHRAE

$t_c$  – Température de condensation [°C ]

$t_e$  – Température d'évaporation [°C ]

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# Compressors ZMC, EGL70AT, 1/5Hp, 1Ph, GL70AT, R-134a, standard Efficiency, 220-240V 50Hz, Cubigel Compressor, Cubigel, RSIR, LBP – LST – S, no Starting capacitor

written by Lilianne | 2 January 2021



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**G L Y 60 R A a**

Indicates refrigerant.

**G** = R134a      **N** = R290  
**M** = R404A/R507   **H** = R600a

Indicates compressor range (overall design).

**L** = 4.5 - 10.7cm<sup>3</sup>   **X** = 16.0 - 23.0cm<sup>3</sup>  
**U** = 4.5 - 8.9cm<sup>3</sup>   **P** = 12.0 - 18.0cm<sup>3</sup>   **S** = 18.0 - 38.0cm<sup>3</sup>

Indicates energy efficiency level. Not appearing in case of Standard efficiency.

**Blank** = Standard Efficiency      **T** = Top Efficiency - Run Capacitor  
**C** = Enhance Efficiency          **RSCR** or **CSR**  
**M** = Medium                            **S** = Super Efficiency - Run Capacitor  
**Y** = High Efficiency - Run Capacitor   **Optional RSIR/RSCR or CSIR/CSR**  
**Optional RSIR/RSCR or CSIR/CSR**

Indicates approximate compressor displacement under the following rule:

**U / L** ranges 10 times the approx. displacement in cm<sup>3</sup>/rev (GL90TB -> approx 9 cm<sup>3</sup>/rev)  
**P / X / S** ranges The approx. displacement in cm<sup>3</sup>/rev (MX21TG -> approx 21 cm<sup>3</sup>/rev)

Indicates the starting torque, application type and compressor cooling:

**A** = LBP - LST - S      **L** = LBP - HST - Fan (Current Relay)      **R** = HMBP - HST - FAN  
**C** = LBP - LST - FAN   **M** = HMBP - LST/HST - S/FAN      (CSR versions with Current Relay)  
**D** = LBP - HST - S      **N** = LMBP - LST/HST - S/FAN      **T** = HMBP - HST - FAN  
**F** = LBP - HST -FAN   **P** = HMBP - LST - FAN      (CSR versions with Potential Relay)

Indicates the rated voltage:

**A** = 220-240V 50Hz      **G** = 200-220V 50Hz / 220-230V 60Hz  
**B** = 220-240V 50Hz (standard efficiency)   **J** = 100V 50/60Hz  
**C** = 200-220V 50Hz (standard efficiency)   **N** = 200-220V 50Hz or 200-240V 50Hz /



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Model	Volume	Efficiency	App	Cooling	Voltage	Compressor	Start	Run	Temp	Cond	Evap	Power	Capacity	Weight	Height	Depth	Width
GD40AA	4.06	1/10	LBP	S	220-240V 50Hz -1	RSIR	P	C	34	50	70	0.77	155	82	1.00	6.1	Dd
GD40AF	4.06	1/10	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	31	47	66	0.67	147	78	0.88	6.8	Dd
GLY45AAa	4.56	1/8	LBP	S	220-240V 50Hz -1	RSIR	P	C	47	65	89	1.01	192	104	1.30	8.7	Lb
GLY45AAb	4.56	1/8	LBP	S	220-240V 50Hz -1	RSCR	P	C	48	66	90	1.05	193	105	1.36	8.7	Lb
GL45AAa	4.56	1/8	LBP	S	220-240V 50Hz -1	RSIR	P	C	37	57	81	0.81	184	96	1.06	7.9	Lb
GL45AAb	4.56	1/8	LBP	S	220-240V 50Hz -1	CSIR	R	C-V	37	57	81	0.81	184	96	1.06	7.9	Lb
GL45AF	4.56	1/8	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	36	56	80	0.74	184	95	0.97	8.4	Lb
GL45ANa	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz -1	RSIR	P	C	36	56	80	0.78	184	95	1.03	8.4	Lb
GLY55AAa	5.46	1/7	LBP	S	220-240V 50Hz -1	RSIR	P	C	53	78	108	1.03	238	127	1.33	8.7	Lb
GLY55AAb	5.46	1/7	LBP	S	220-240V 50Hz -1	RSCR	P	C	54	78	109	1.09	239	128	1.40	8.7	Lb
GLY60AAa	5.98	1/6	LBP	S	220-240V 50Hz -1	RSIR	P	C	58	85	119	1.03	255	139	1.34	8.7	Lb
GLY60AAb	5.98	1/6	LBP	S	220-240V 50Hz -1	RSCR	P	C	58	86	120	1.10	256	140	1.42	8.7	Lb
GL60AAa	5.98	1/6	LBP	S	220-240V 50Hz -1	RSIR	P	C	50	75	107	0.85	239	126	1.10	8.4	Lb
GL60AAb	5.98	1/6	LBP	S	220-240V 50Hz -1	CSIR	R	C-V	50	75	107	0.85	239	126	1.10	8.4	Lb
GL60AF	5.98	1/6	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	57	81	113	0.82	245	132	1.07	9.1	Lc
GL60ANa	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz -1	RSIR	P	C	57	82	114	0.83	244	133	1.09	9.1	Lc
GL60ANb	5.98	1/6	LBP	F	200-240/220-230V 50/60Hz -1	CSIR	R	C-V	57	82	114	0.83	244	133	1.09	9.1	Lc
GL60ANc	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz -1	CSIR	R	C-V	57	82	114	0.83	244	133	1.09	9.1	Lc
GL60ANd	5.98	1/6	LBP	OC	200-240/220-230V 50/60Hz -1	RSIR	P	C	57	82	114	0.83	244	133	1.09	9.2	Ld
GLY70AAa	6.65	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	70	96	132	1.05	288	154	1.36	9.7	Lb
GLY70AAb	6.65	1/5	LBP	S	220-240V 50Hz -1	RSCR	P	C	71	97	133	1.12	289	155	1.44	9.7	Lb
GL70AA	6.65	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	58	86	121	0.87	268	142	1.12	8.8	Lc
GL70ANa	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	70	95	129	0.83	278	151	1.08	9.4	Lc
GL70ANb	6.65	1/5	LBP	F	200-220/220-230V 50/60Hz -1	CSIR	R	C-V	70	95	129	0.83	278	151	1.08	9.4	Lc
GL70ANc	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz -1	CSIR	R	C-V	70	95	129	0.83	278	151	1.08	9.4	Lc
GL70ANd	6.65	1/5	LBP	OC	200-220/220-230V 50/60Hz -1	RSIR	P	C	70	96	129	0.83	278	151	1.08	9.5	Ld
GLY75AAa	7.38	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	74	107	147	1.06	311	172	1.36	9.9	Lc
GLY75AAb	7.38	1/5	LBP	S	220-240V 50Hz -1	RSCR	P	C	76	108	147	1.12	312	172	1.44	9.9	Lc
GL75AA	7.38	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	68	95	132	0.91	296	155	1.18	9.0	Lc
GLY90AAa	8.10	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	95	131	184	1.07	348	184	1.57	10.8	Lc



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**ML60FB, CUBIGEL, ACC FRIDGE,  
COMPRESSOR, 220/240V 50Hz,  
1/5 Hp, displacement 6,00 cc  
gas 404/A – 507 LBP**

written by Lilianne | 2 January 2021

ML60FB, CUBIGEL, ACC FRIDGE, COMPRESSOR, 220/240V 50Hz, 1/5  
Hp, displacement 6,00 cc gas 404/A – 507 LBP

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**Cubigel, Danfoss, GL80AAb,  
GL80AA, R134a, (LBP),  
compressor 1/5HP, Low-  
temperature**

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Cubigel, Danfoss, GL80AAb, R134a, (LBP), compressor 1/5HP,  
Low-temperature

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**ML90FB , CUBIGEL , R404A /  
R507, LBP, COMPRESSEUR  
HERMÉTIQUE , 1/3HP, 230V 50Hz**

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ML90FB , CUBIGEL , R404A / R507, LBP, COMPRESSEUR HERMÉTIQUE  
, 1/3HP, 230V 50Hz

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**Compressor , Moteur HP , CSIR  
, Avec Condensateur , CUBIGEL  
, GL80TB , R-134a 1/5HP , 230V  
, HMBP , High-Medium Back  
Pressure**

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Compressor , Moteur HP , CSIR , Avec Condensateur , CUBIGEL  
, GL80TB , R-134a 1/5HP , 230V , HMBP , High-Medium Back Pressure