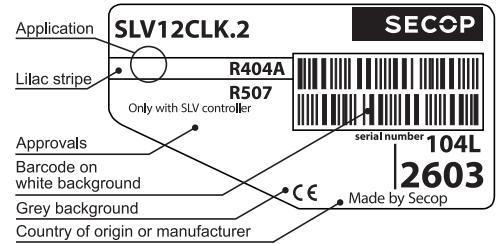


SLV12CLK.2 Variable Speed Drive Compressor R404A/R507 220-240V 50/60Hz

- with 105N46xx Series Controllers



General

Code number (without electronic unit)	104L2603
Electronic unit	105N46xx series controller
Approvals	EN 60335-2-34, CCC
Compressors on pallet	80

Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-40 to -10	-40 to -10
Voltage range	V	180 - 254	180 - 254
Max. condensing temperature continuous (short)	°C	50 (60)	50 (60)
Max. winding temperature continuous (short)	°C	125 (135)	125 (135)

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		F ₂	-	-	F ₂	-	-
38°C		F ₂	-	-	F ₂	-	-
43°C		F ₂	-	-	F ₂	-	-

Remarks on application: LST only, airflow on compressor and electronic unit: 3m/s

Features

Speed range	rpm	2000 - 4000
Thermostat		- integrated - electronic
Protections		- current - speed - temperature
Remarks:		

Motor

Motor type		permanent magnet
LRA (rated after 4 sec. UL984),	A	electronic cut off
Maximum current	A	4.6
Resistance, all 3 windings (25°C)	Ω	7.7

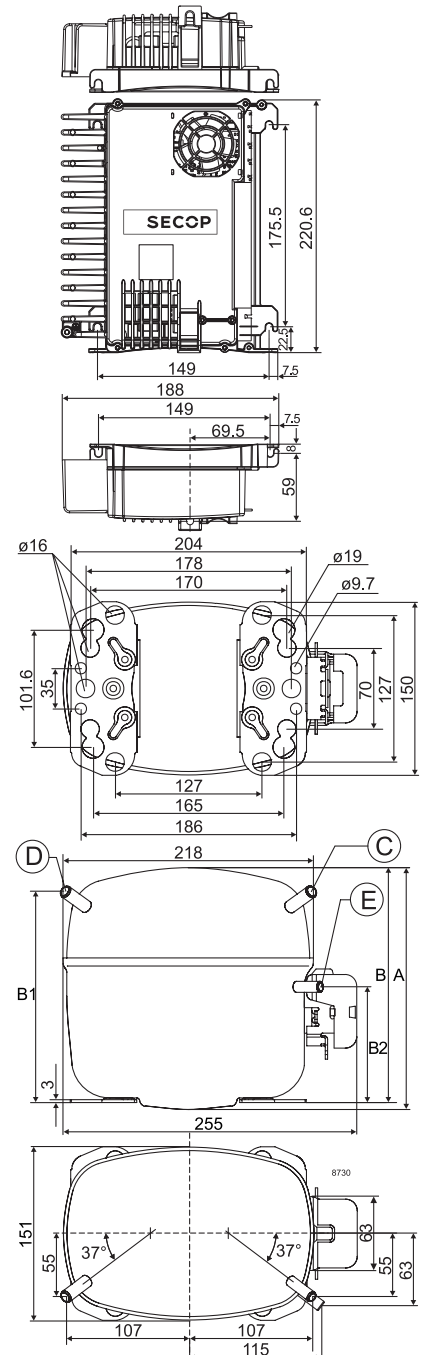
Design

Displacement	cm ³	12.87
Oil quantity (type)	cm ³	600 (polyolester)
Maximum refrigerant charge	g	1300
Free gas volume in compressor	cm ³	1510
Weight - Compressor/Electronic unit	kg	12.0/1.4

Dimensions

Height	mm	A	199
		B	193
		B1	173
		B2	90
Suction connector	location/I.D. mm angle	C	10.2 37°
Process connector	material comment	Copper Rubber plug	
	location/I.D. mm angle	D	6.2 37°
Discharge connector	material comment	Copper Rubber plug	
	location/I.D. mm angle	E	6.2 37°
Oil cooler connector	material comment	Copper Rubber plug	
	location/I.D. mm angle	F	-
Connector tolerance	I.D. mm	±0.09	
Remarks:			

- S = Static cooling normally sufficient
- O = Oil cooling
- F₁ = Fan cooling 1.5 m/s
(compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area



2,000 rpm EN 12900 Household (CECOMAF)* 220V, 50Hz, fan cooling F₂

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W		134	196	269	355	387	455	572	705								
Power cons. in W		182	227	268	308	321	345	379	410								
Current cons. in A		0.97	1.16	1.36	1.55	1.62	1.74	1.94	2.13								
COP in W/W		0.74	0.86	1.00	1.15	1.21	1.32	1.51	1.72								

2,500 rpm EN 12900 Household (CECOMAF)* 220V, 50Hz, fan cooling F₂

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W		160	243	342	459	502	592	742	910								
Power cons. in W		212	270	325	377	394	426	472	515								
Current cons. in A		1.06	1.32	1.58	1.82	1.91	2.07	2.30	2.53								
COP in W/W		0.75	0.90	1.05	1.22	1.27	1.39	1.57	1.77								

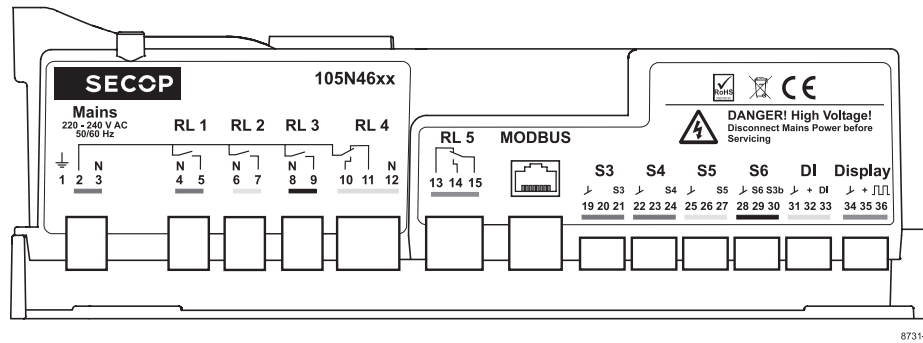
3,000 rpm EN 12900 Household (CECOMAF)* 220V, 50Hz, fan cooling F₂

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W		181	283	406	550	604	714	895	1093								
Power cons. in W		237	308	375	439	460	499	557	612								
Current cons. in A		1.13	1.45	1.76	2.06	2.16	2.35	2.62	2.88								
COP in W/W		0.76	0.92	1.08	1.25	1.31	1.43	1.61	1.79								

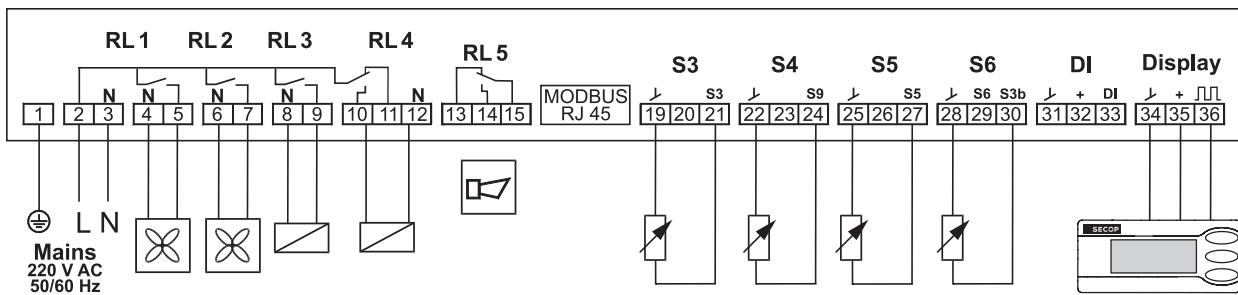
4,000 rpm EN 12900 Household (CECOMAF)* 220V, 50Hz, fan cooling F₂

Evap. temp. in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W		200	370	542	720	782	909	1114	1339								
Power cons. in W		270	404	508	588	611	649	695	731								
Current cons. in A		0.91	1.68	2.30	2.77	2.90	3.10	3.28	3.31								
COP in W/W		0.74	0.92	1.07	1.22	1.28	1.40	1.60	1.83								

Terminal Area 105N46xx Series Controller



- Mains red
- RL 1 blue
- RL 2 yellow
- RL 3 black
- RL 4 grey
- RL 5 green
- S3 red
- S4 blue
- S5 yellow
- S6 black
- DI grey
- Display green



Accessories for	SLV12CLK.2	Code number
Cover		103N2008
Mounting accessories		Code number
Bolt joint for one compressor	Ø: 16 mm	118-1917
Bolt joint in quantities	Ø: 16 mm	118-1918
Snap-on in quantities	Ø: 16 mm	118-1919

Test conditions	EN 12900/CECOMAF*
Condensing temperature	45°C
Ambient temperature	32°C
Suction gas temperature	32°C
Liquid temperature	no subcooling

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