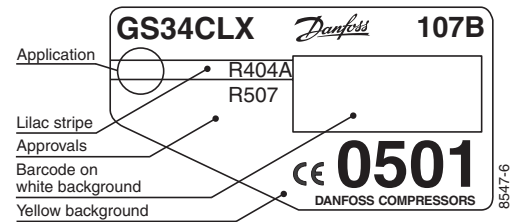


# GS34CLX

## LBP Compressor

### R404A/R507

### 220-240V 50Hz



#### General

Code number	107B0501
Approvals	EN 60335-2-34
Compressors on pallet	48

#### Application

Application	LBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-40 to -10	-
Voltage range	V	198 - 254	-
Max. condensing temperature continuous (short)	°C	50 (60)	-
Max. winding temperature continuous (short)	°C	125 (135)	-

#### Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		F <sub>2</sub>	-	-	-	-	-
38°C		F <sub>2</sub>	-	-	-	-	-
43°C		-	-	-	-	-	-
Remarks on application:							

- S = Static cooling normally sufficient
- O = Oil cooling
- F<sub>1</sub> = Fan cooling 1.5 m/s  
(compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

#### Motor

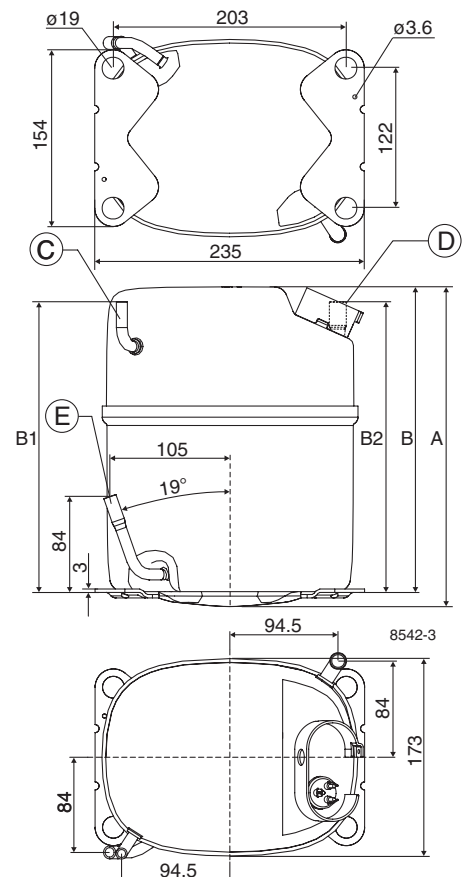
Motor type	CSR		
LRA (rated after 4 sec. UL984), HST   LST	A	25.7	-
Cut in Current, HST   LST	A	25.7	-
Resistance, main   start winding (25°C)	Ω	2.9	5.1

#### Design

Displacement	cm <sup>3</sup>	33.80
Oil quantity (type)	cm <sup>3</sup>	900 (polyolester)
Maximum refrigerant charge	g	2000
Free gas volume in compressor	cm <sup>3</sup>	3350
Weight without electrical equipment	kg	20.0

#### Dimensions

Height	A	279
	B	267
	B1	254
	B2	254
Suction connector	location/I.D. mm   angle	C 12.9   90°
	material   comment	Copper   Rubber plug
Process connector	location/I.D. mm   angle	D 6.5   90°
	material   comment	Copper   Rubber plug
Discharge connector	location/I.D. mm   angle	E 8.2   19°
	material   comment	Copper   Rubber plug
Oil cooler connector	location/I.D. mm   angle	F -
	material   comment	-
Connector tolerance	I.D. mm	12.9±0.15, 8.2±0.05, 6.5±0.10
Remarks:		



**EN 12900**

220V, 50Hz, fan cooling F<sub>2</sub>, preliminary data

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		721	986	1297	1663	1807	2092	2577	3120								
Power cons. in W		786	909	1034	1165	1219	1317	1481	1656								
Current cons. in A		4.16	4.73	5.29	5.91	6.11	6.56	7.20	7.90								
COP in W/W		0.92	1.08	1.25	1.43	1.48	1.59	1.74	1.88								

**ARI 540-99 (LBP1)**

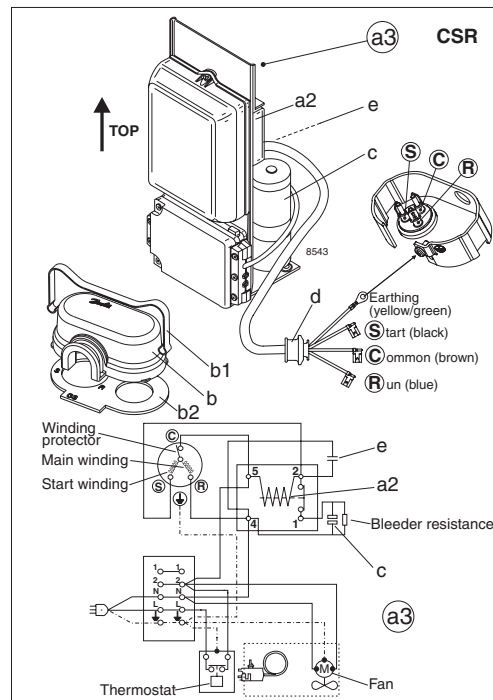
220V, 50Hz, fan cooling F<sub>2</sub>, preliminary data

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																	
Power cons. in W																	
Current cons. in A																	
COP in W/W																	

**ARI 540-99 (LBP2)**

220V, 50Hz, fan cooling F<sub>2</sub>, preliminary data

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																	
Power cons. in W																	
Current cons. in A																	
COP in W/W																	



Accessories for GS34CLX	Figure	Code number	Test conditions	EN 12900	ARI 540-99 (LBP1)	ARI 540-99 (LBP2)								
Starting device	a3	117-7074	Condensing temperature	40°C	48.9°C	40.6°C								
600 mm cable length			Ambient temperature	32°C	35°C	35°C								
			Suction gas temperature	20°C	4.4°C	4.4°C								
			Liquid temperature	no subcooling	no subcooling	no subcooling								
Cover	b	107B9101 *)	<table border="1"> <thead> <tr> <th>Mounting accessories</th> <th>Code number</th> </tr> </thead> <tbody> <tr> <td>Bolt joint for one comp.</td> <td>107B9150</td> </tr> <tr> <td>Bolt joint in quantities</td> <td>-</td> </tr> <tr> <td>Snap-on in quantities</td> <td>-</td> </tr> </tbody> </table>				Mounting accessories	Code number	Bolt joint for one comp.	107B9150	Bolt joint in quantities	-	Snap-on in quantities	-
Mounting accessories	Code number													
Bolt joint for one comp.	107B9150													
Bolt joint in quantities	-													
Snap-on in quantities	-													
Clamp	b1	107B9104 *)												
Gasket	b2	107B9100 *)												
Starting relay	a2	Components of starting device												
Start. capacitor	c													
Run capacitor	e													
*) Remarks: Cover, clamp, gasket parts of compressor														

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