

## GS26MFX Standard Compressor R134a 220-240V 50Hz

### General

Code number	107B0700
Approvals	EN 60335-2-34
Compressors on pallet	48

### Application

Application	MBP		
Frequency	Hz	50	60
Evaporating temperature	°C	-20 to 7.2	-
Voltage range	V	198 - 254	-
Max. condensing temperature continuous (short)	°C	60 (70)	-
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		-	F <sub>2</sub>	-	-	-	-
Remarks on application:							

### Motor

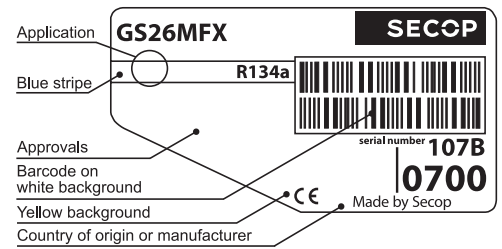
Motor type	CSR		
LRA (rated after 4 sec. UL984), HST   LST	A	20.2	-
Cut in Current, HST   LST	A	20.2	-
Resistance, main   start winding (25°C)	Ω	3.6	3.9

### Design

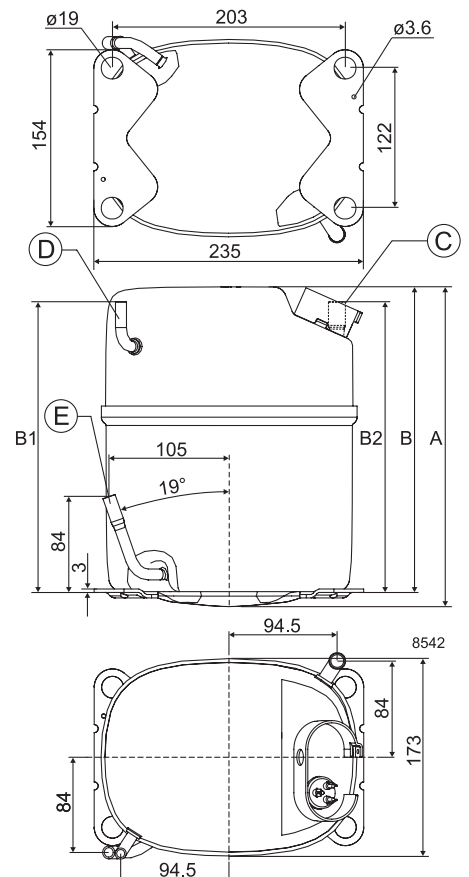
Displacement	cm <sup>3</sup>	26.30
Oil quantity (type)	cm <sup>3</sup>	900 (polyolester)
Maximum refrigerant charge	g	2000
Free gas volume in compressor	cm <sup>3</sup>	3350
Weight without electrical equipment	kg	19.1

### Dimensions

Height	mm	A	259
		B	247
		B1	234
		B2	234
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:			



- 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



**EN 12900**

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

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							754	989	1266	1476	1591	1970	2411	2626			
Power cons. in W							546	618	696	745	776	857	942	980			
Current cons. in A							2.57	2.86	3.18	3.42	3.55	3.94	4.38	4.58			
COP in W/W							1.38	1.60	1.82	1.98	2.05	2.30	2.56	2.68			

**ARI 540-2004 (MBP)**

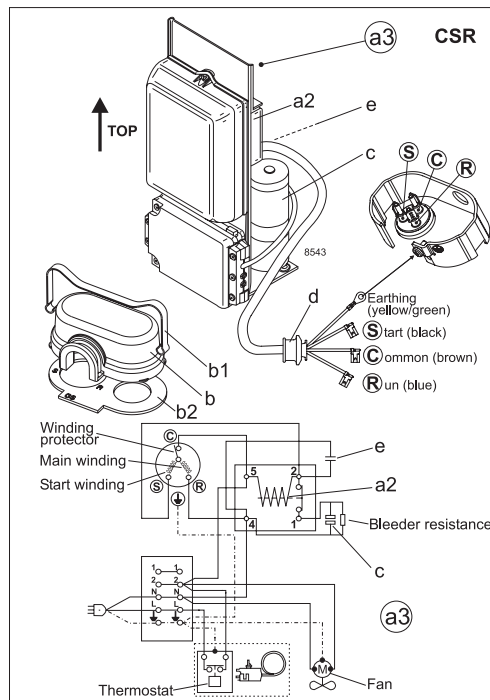
220V, 50Hz, fan cooling F<sub>2</sub>

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							685	900	1153	1346	1451	1799					
Power cons. in W							552	629	710	766	794	883					
Current cons. in A							2.59	2.91	3.27	3.53	3.66	4.09					
COP in W/W							1.24	1.43	1.62	1.76	1.83	2.04					

**ARI 540-2004 (HBP)**

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

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							634	838	1076	1256	1353	1676	2052	2237			
Power cons. in W							562	645	733	794	826	924	1028	1077			
Current cons. in A							2.63	3.00	3.40	3.69	3.84	4.32	4.84	5.08			
COP in W/W							1.13	1.30	1.47	1.58	1.64	1.81	2.00	2.08			



Accessories for GS26MFX	Figure	Code number	Test conditions	EN 12900	ARI 540-2004 (MBP)	ARI 540-2004 (HBP)
Starting device 600 mm cable length	a3	117-7055	Condensing temperature	45°C	48.9°C	54.4°C
			Ambient temperature	32°C	35°C	35°C
			Suction gas temperature	20°C	4.4°C	18.3°C
			Liquid temperature	no subcooling	no subcooling	no subcooling
Cover	b	107B9101 *)				
Clamp	b1	107B9104 *)				
Gasket	b2	107B9100 *)				
Starting relay	a2	Components of starting device	<b>Mounting accessories</b>			
Start. capacitor	c		Code number			
Run capacitor	e		107B9150			
*) Remarks: Cover, clamp, gasket parts of compressor			Bolt joint in quantities			
			Snap-on in quantities			

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