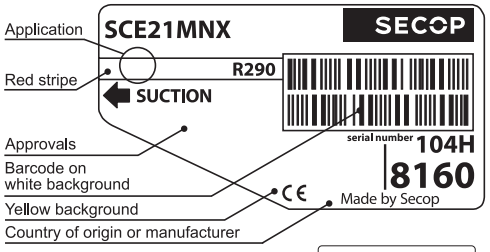
SCE21MNX
MBP Compressor
R290
220-240V 50Hz



Yellow warning label

General

Code number	104H8160
Approvals	EN 60335-2-34,CCC
Compressors on pallet	80

Application

Application		MBP	
Frequency	Hz	50	60
Evaporating temperature	°C	-25 to 7.2	–
Voltage range	V	198 - 254	–
Max. condensing temperature continuous	°C	65	–
Max. winding temperature continuous (short)	°C	125 (135)	–

Cooling requirements

Frequency	Hz	50			60		
Application		LBP	MBP	HBP	LBP	MBP	HBP
32°C		–	F_2	–	–	–	–
38°C		–	F_2	–	–	–	–
43°C		–	F_2	–	–	–	–
Remarks on application:							

S = Static cooling normally sufficient
O = Oil cooling
F_1 = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
F_2 = Fan cooling 3.0 m/s necessary
SG = Suction gas cooling normally sufficent
– = not applicable in this area

Motor

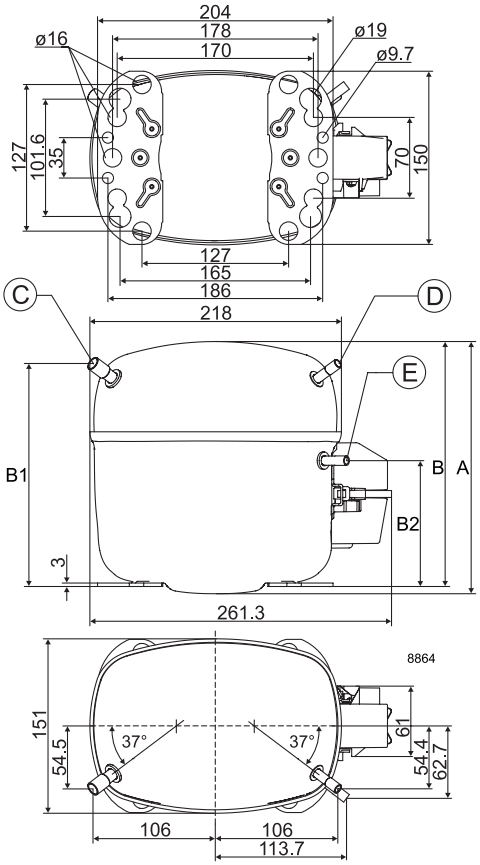
Motor type		CSR	
LRA (rated after 4 sec. UL984), HST | LST	A	22.3	–
Cut in Current, HST | LST	A	22.3	–
Resistance, main | start winding (25°C)	Ω	3.6	14.2

Design

Displacement	cm^3	20.95
Oil quantity (type)	cm^3	550 (polyolester)
Maximum refrigerant charge, legal limit	g	150
Maximum refrigerant charge, technical limit	g	550
Free gas volume in compressor	cm^3	1460
Weight without electrical equipment	kg	14.2

Dimensions

Height	mm	A	219
		B	213
		B1	193
		B2	110
Suction connector	location/I.D. mm | angle	C	10.2 | 37°
	material | comment		Copper | Rubber plug
Process connector	location/I.D. mm | angle	D	6.2 | 37°
	material | comment		Copper | Rubber plug
Discharge connector	location/I.D. mm | angle	E	6.2 | 37°
	material | comment		Copper | Rubber plug
Oil cooler connector	location/I.D. mm | angle	F	–
	material | comment		–
Connector tolerance	I.D. mm		±0.09
Remarks:			

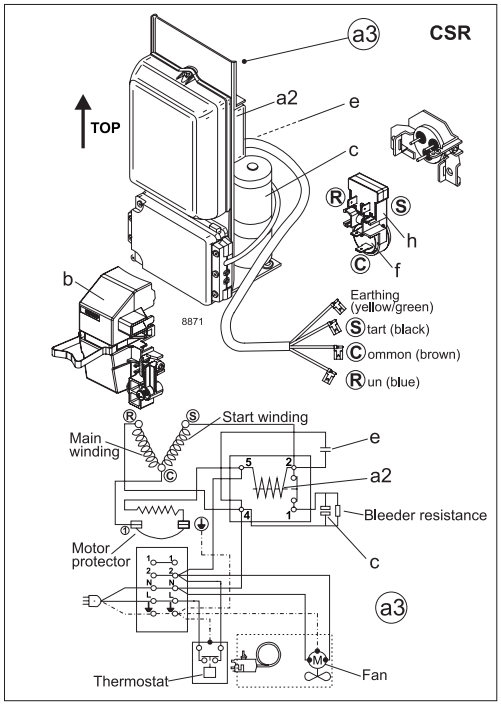


EN 12900 MBP 220V, 50Hz, fan cooling F_2

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					877	948	1090	1329	1602	1806	1920	2291	2727	2941			
Power cons. in W					585	606	645	704	760	796	814	862	905	922			
Current cons. in A					2.88	2.96	3.11	3.34	3.57	3.71	3.79	3.98	4.15	4.22			
COP in W/W					1.5	1.56	1.69	1.89	2.11	2.27	2.36	2.66	3.01	3.19			

ASHRAE MBP/HBP 220V, 50Hz, fan cooling F_2

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					820	895	1045	1287	1556	1754	1863	2217	2631	2835			
Power cons. in W					583	606	651	718	782	823	843	899	949	968			
Current cons. in A					3.00	3.10	3.29	3.58	3.87	4.06	4.15	4.40	4.63	4.72			
COP in W/W					1.41	1.48	1.61	1.79	1.99	2.13	2.21	2.47	2.77	2.93			



Accessories for SCE21MNX	Figure	Code number
Starting device assembly CSR 420 mm cable length	a3	117-7800
Cover	b	117U1028 *)
Protector	f	117U3217 *)
Protector holder assembly (incl. protector)	h	117U8000 *)
*) Remarks: Cover, protector, protector holder assembly parts of compressor		

Test conditions	EN 12900	ASHRAE
	MBP	MBP/HBP
Condensing temperature	45°C	54.4°C
Ambient temperature	32°C	35°C
Suction gas temperature	20°C	35°C
Liquid temperature	no subcooling	46.1°C

Mounting accessories		Code number
Bolt joint for one comp.	Ø: 16 mm	118-1917
Bolt joint in quantities	Ø: 16 mm	118-1918
Snap-on in quantities	Ø: 16 mm	118-1919