

**Mbsm.pro, Compressor,
Danfoss, Secop, 5/8 hp++,
SC21MFX, MBP, R134a, 220
V-240 V, 50 Hz, 104G8120,
8120**

written by Lilianne | 17 February 2022



Product information

LRA HST 60Hz [A]	23.6 A	<table><tr><td>Power failure HST [A]</td><td>23.6 A</td></tr><tr><td>Overall height, mm</td><td>209mm</td></tr><tr><td>Oil volume</td><td>600 cm3</td></tr><tr><td>Description</td><td>SC21MFX</td></tr><tr><td>Described volume [cm3]</td><td>20.95 cm3</td></tr><tr><td>Performance Adjustment</td><td>fixed speed</td></tr><tr><td>Free volume of gas [cm3]</td><td>1460 cm3</td></tr><tr><td>Rotation speed at 50 Hz [rpm]</td><td>2900 rpm</td></tr><tr><td>Rotational speed at 60 Hz [rpm]</td><td>0 rpm</td></tr><tr><td>Discharge connection, material</td><td>Copper</td></tr><tr><td>Auxiliary winding resistance (starting winding) for single-phase compressors (var.) [0hm]</td><td>13.6ohms</td></tr><tr><td>Auxiliary winding resistance (starting winding) for single-phase compressors [0hm]</td><td>13.6ohms</td></tr><tr><td>Main winding resistance for single-phase compressors [0hm]</td><td>3.3ohms</td></tr><tr><td>Winding temperature, short term [°C] [Max]</td><td>135°C</td></tr><tr><td>Winding temperature, constant [°C] [Max]</td><td>125°C</td></tr><tr><td>Process connector, material</td><td>Copper</td></tr><tr><td>Technology</td><td>Piston</td></tr><tr><td>A type</td><td>SC</td></tr><tr><td>engine's type</td><td>CSIR CSR</td></tr><tr><td>Oil type</td><td>polyester oil</td></tr><tr><td>Carrier panel type</td><td>Universal</td></tr><tr><td>Tradename</td><td>Piston compressor</td></tr><tr><td>Suction angle [°]</td><td>37°</td></tr><tr><td>Discharge angle [°]</td><td>37°</td></tr><tr><td>Process Socket Angle</td><td>37°</td></tr><tr><td>Phase</td><td>one</td></tr><tr><td>Phases (fan)</td><td>one</td></tr><tr><td>Phases (compressor)</td><td>one</td></tr><tr><td>refrigerant</td><td>R134a</td></tr><tr><td>Color</td><td>Black</td></tr><tr><td>Frequency Hz]</td><td>fifty</td></tr><tr><td>Width [mm]</td><td>151mm</td></tr><tr><td>Economizer</td><td>Not</td></tr><tr><td>Compressor power supply [V/ph/Hz]</td><td>220-240/1/50</td></tr><tr><td>Energy level for the application</td><td>Standard MBP</td></tr></table>	Power failure HST [A]	23.6 A	Overall height, mm	209mm	Oil volume	600 cm3	Description	SC21MFX	Described volume [cm3]	20.95 cm3	Performance Adjustment	fixed speed	Free volume of gas [cm3]	1460 cm3	Rotation speed at 50 Hz [rpm]	2900 rpm	Rotational speed at 60 Hz [rpm]	0 rpm	Discharge connection, material	Copper	Auxiliary winding resistance (starting winding) for single-phase compressors (var.) [0hm]	13.6ohms	Auxiliary winding resistance (starting winding) for single-phase compressors [0hm]	13.6ohms	Main winding resistance for single-phase compressors [0hm]	3.3ohms	Winding temperature, short term [°C] [Max]	135°C	Winding temperature, constant [°C] [Max]	125°C	Process connector, material	Copper	Technology	Piston	A type	SC	engine's type	CSIR CSR	Oil type	polyester oil	Carrier panel type	Universal	Tradename	Piston compressor	Suction angle [°]	37°	Discharge angle [°]	37°	Process Socket Angle	37°	Phase	one	Phases (fan)	one	Phases (compressor)	one	refrigerant	R134a	Color	Black	Frequency Hz]	fifty	Width [mm]	151mm	Economizer	Not	Compressor power supply [V/ph/Hz]	220-240/1/50	Energy level for the application	Standard MBP
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LRA HST[A]	23.6 A																																																																							
RLA	4.00A																																																																							
start capacitor capacitance	80μF																																																																							
Packing option	Industrial packaging																																																																							
Upper voltage range value at 50 Hz [V]	264V																																																																							
Upper voltage range value at 60 Hz [V]	0V																																																																							
Upper value of rated voltage at 50 Hz [V]	240V																																																																							
Upper value of rated voltage at 60 Hz [V]	0V																																																																							
Liquid injection	Not																																																																							
Suction nozzle, material	Copper																																																																							
Suction nozzle height [mm]	183mm																																																																							
Discharge pipe height [mm]	100mm																																																																							
Height from support panel [mm]	203mm																																																																							
Process connection height [mm]	183mm																																																																							
Suction pipe diameter [mm]	10.2mm																																																																							
Discharge pipe diameter [mm]	6.2mm																																																																							
Process connection diameter [mm]	6.2mm																																																																							
Length [mm]	255mm																																																																							
Run Capacitor	10μF																																																																							
Socket Notes	Rubber plug																																																																							
Suction nozzle notes	Rubber plug																																																																							
Refrigerant charge [kg] [Max]	1.3kg																																																																							
Segment usage	Cooling to medium temperatures																																																																							
Configuration code	Single																																																																							
Number of packages	80																																																																							
Discharge connection comments	Rubber plug																																																																							
Voltage, 50 Hz [V]	220V																																																																							
Voltage, 50 Hz [V] [max]	240V																																																																							
Lower voltage range value at 50 Hz [V]	198V																																																																							
Lower value of the voltage range at 60 Hz [V]	0V																																																																							
Lower value of rated voltage at 50 Hz [V]	220V																																																																							
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Model number	SC21MFX																																																																							
Areas of use	MBP																																																																							
Type designation	Compressor																																																																							
Gross weight	14 kg																																																																							
Net weight	14 kg																																																																							



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