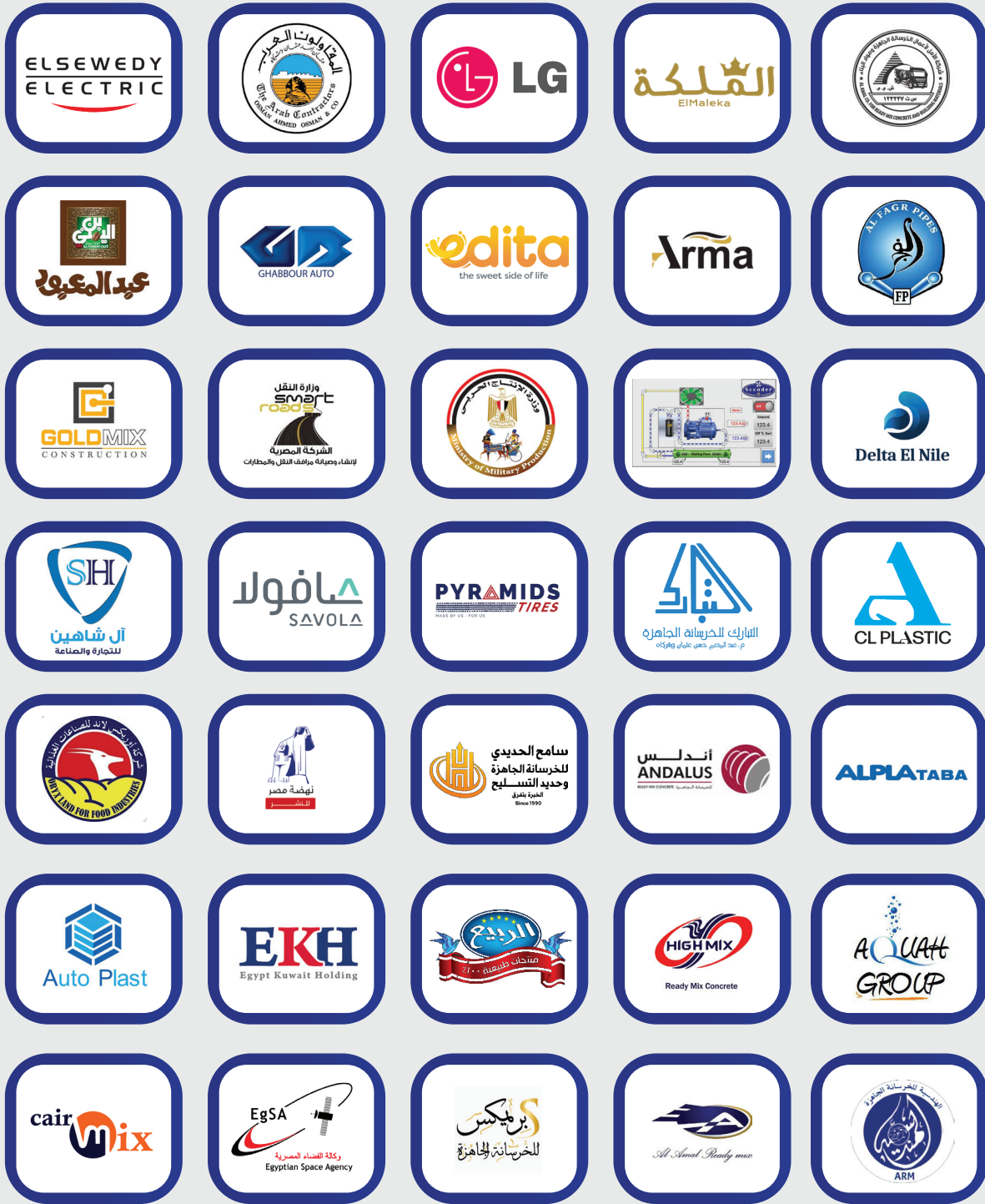




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📍 جمهورية مصر العربية  
العاشر من رمضان - منطقة الروبيكي  
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تعلم شركة سكودر  
للتبريد والتكييف عن:  
توريد وتركيب كباسات التشيلارات (لسيلد والسيمي سيلد من نوعية كوبلاند وبيتزر) بجميع القدرات

1. Specification	
1.1. Basic Performance	
Model	WR180M-TFD-GN1
Compressor Type	Hermetic Scroll Compressor
Application	Air condition
Refrigerant	R22
Displacement (cc/rev)	127.0
Cooling Capacity(W)	2300.0
Input Power (W)	6750.0
RLA(A)	12.5
Cooling COP(W/W)	3.46
Power	380-420V/3~50Hz or 480V/3~60Hz
Min. Operating Voltage (V)	342.0
Max. Operating Voltage (V)	462.0
LRA(A)	17.3
Max. Operating Current (A)	19.3
Rated Speed (rpm)	2900.0
Weight (kg. With Oil)	65.0
Oil Type	320
Oil Viscosity (cSt, 40°C)	32.0
Oil Density (kg/L, 20°C)	0.902
Oil Initial Charge (L)	2.7
Oil Recharge (L)	2.5
Oil Circulation Rate	<math>\leq 0.01</math>
Rated Sound (Sound Power Level, dBA)	74.0
Max. Oper. Sound Under Oper. Envelope (Sound Power Level, dBA)	79.0
(mm) Vibration peak-peak	<math>\leq 0.1</math>
Moisture (mg)	<math>\leq 100.0</math>
Impurity (mg)	<math>\leq 140.0</math>
LVS (V)	334.0
Min. Oper. Voltage Under Max. Load (V)	342.0
Start Capacitor (μF)	-

1. Specification	
1.1. Basic Performance	
Model	WR190M-TFD-GN1
Compressor Type	Hermetic Scroll Compressor
Application	Air condition
Refrigerant	R22
Displacement (cc/rev)	400.0
Cooling Capacity(W)	7320.0
Input Power (W)	22070.0
RLA(A)	36.0
Cooling COP(W/W)	3.33
Power	380-420V/3~50Hz or 480V/3~60Hz
Min. Operating Voltage (V)	342.0
Max. Operating Voltage (V)	462.0
LRA(A)	267.0
Max. Operating Current (A)	52.0
Rated Speed (rpm)	2900.0
Weight (kg. With Oil)	92.0
Oil Type	320
Oil Viscosity (cSt, 40°C)	32.0
Oil Density (kg/L, 20°C)	0.902
Oil Initial Charge (L)	5.0
Oil Recharge (L)	4.8
Oil Circulation Rate	<math>\leq 0.01</math>
Rated Sound (Sound Power Level, dBA)	82.0
Max. Oper. Sound Under Oper. Envelope (Sound Power Level, dBA)	87.0
(mm) Vibration peak-peak	<math>\leq 0.1</math>
Moisture (mg)	<math>\leq 100.0</math>
Impurity (mg)	<math>\leq 160.0</math>
LVS (V)	334.0
Min. Oper. Voltage Under Max. Load (V)	342.0

1. Specification	
1.1. Basic Performance	
Model	WR250M-TFD-GN1
Compressor Type	Hermetic Scroll Compressor
Application	Air condition
Refrigerant	R22
Displacement (cc/rev)	400.0
Cooling Capacity(W)	8942.0
Input Power (W)	17890.0
RLA(A)	32.0
Cooling COP(W/W)	3.33
Power	380-420V/3~50Hz or 480V/3~60Hz
Min. Operating Voltage (V)	342.0
Max. Operating Voltage (V)	462.0
LRA(A)	267.0
Max. Operating Current (A)	42.3
Rated Speed (rpm)	2900.0
Weight (kg. With Oil)	92.0
Oil Type	320
Oil Viscosity (cSt, 40°C)	32.0
Oil Density (kg/L, 20°C)	0.902
Oil Initial Charge (L)	5.0
Oil Recharge (L)	4.8
Oil Circulation Rate	<math>\leq 0.01</math>
Rated Sound (Sound Power Level, dBA)	82.0
Max. Oper. Sound Under Oper. Envelope (Sound Power Level, dBA)	87.0
(mm) Vibration peak-peak	<math>\leq 0.1</math>
Moisture (mg)	<math>\leq 100.0</math>
Impurity (mg)	<math>\leq 160.0</math>
LVS (V)	334.0
Min. Oper. Voltage Under Max. Load (V)	342.0

1. Specification	
1.1. Basic Performance	
Model	WR190M-TFD-GN1
Compressor Type	Hermetic Scroll Compressor
Application	Air condition
Refrigerant	R22
Displacement (cc/rev)	400.0
Cooling Capacity(W)	8942.0
Input Power (W)	17890.0
RLA(A)	32.0
Cooling COP(W/W)	3.33
Power	380-420V/3~50Hz or 480V/3~60Hz
Min. Operating Voltage (V)	342.0
Max. Operating Voltage (V)	462.0
LRA(A)	267.0
Max. Operating Current (A)	42.3
Rated Speed (rpm)	2900.0
Weight (kg. With Oil)	92.0
Oil Type	320
Oil Viscosity (cSt, 40°C)	32.0
Oil Density (kg/L, 20°C)	0.902
Oil Initial Charge (L)	5.0
Oil Recharge (L)	4.8
Oil Circulation Rate	<math>\leq 0.01</math>
Rated Sound (Sound Power Level, dBA)	82.0
Max. Oper. Sound Under Oper. Envelope (Sound Power Level, dBA)	87.0
(mm) Vibration peak-peak	<math>\leq 0.1</math>
Moisture (mg)	<math>\leq 100.0</math>
Impurity (mg)	<math>\leq 160.0</math>
LVS (V)	334.0
Min. Oper. Voltage Under Max. Load (V)	342.0

1. Specification	
1.1. Basic Performance	
Model	WR180M-TFD-GN1
Compressor Type	Hermetic Scroll Compressor
Application	Air condition
Refrigerant	R22
Displacement (cc/rev)	208.0
Cooling Capacity(W)	3630.0
Input Power (W)	11034.0
RLA(A)	18.8
Cooling COP(W/W)	3.33
Power	380-420V/3~50Hz or 480V/3~60Hz
Min. Operating Voltage (V)	342.0
Max. Operating Voltage (V)	462.0
LRA(A)	12.0
Max. Operating Current (A)	26.1
Rated Speed (rpm)	2900.0
Weight (kg. With Oil)	66.0
Oil Type	320
Oil Viscosity (cSt, 40°C)	32.0
Oil Density (kg/L, 20°C)	0.902
Oil Initial Charge (L)	3.2
Oil Recharge (L)	3.0
Oil Circulation Rate	<math>\leq 0.01</math>
Rated Sound (Sound Power Level, dBA)	76.0
Max. Oper. Sound Under Oper. Envelope (Sound Power Level, dBA)	81.0
(mm) Vibration peak-peak	<math>\leq 0.1</math>
Moisture (mg)	<math>\leq 100.0</math>
Impurity (mg)	<math>\leq 140.0</math>
LVS (V)	334.0
Min. Oper. Voltage Under Max. Load (V)	342.0

1. Specification	
1.1. Basic Performance	
Model	WR125M-TFD-GN1
Compressor Type	Hermetic Scroll Compressor
Application	Air condition
Refrigerant	R22
Displacement (cc/rev)	167.2
Cooling Capacity(W)	3110.0
Input Power (W)	9020.0
RLA(A)	13.8
Cooling COP(W/W)	3.44
Power	380-420V/3~50Hz or 480V/3~60Hz
Min. Operating Voltage (V)	342.0
Max. Operating Voltage (V)	462.0
LRA(A)	117.0
Max. Operating Current (A)	22.2
Rated Speed (rpm)	2900.0
Weight (kg. With Oil)	66.0
Oil Type	320
Oil Viscosity (cSt, 40°C)	32.0
Oil Density (kg/L, 20°C)	0.902
Oil Initial Charge (L)	3.0
Oil Recharge (L)	2.8
Oil Circulation Rate	<math>\leq 0.01</math>
Rated Sound (Sound Power Level, dBA)	76.0
Max. Oper. Sound Under Oper. Envelope (Sound Power Level, dBA)	81.0
(mm) Vibration peak-peak	<math>\leq 0.1</math>
Moisture (mg)	<math>\leq 100.0</math>
Impurity (mg)	<math>\leq 140.0</math>
LVS (V)	334.0
Min. Oper. Voltage Under Max. Load (V)	342.0

1. Specification	
1.1. Basic Performance	
Model	WR100M-TFD-GN1
Compressor Type	Hermetic Scroll Compressor
Application	Air condition
Refrigerant	R22
Displacement (cc/rev)	143.1
Cooling Capacity(W)	2758.0
Input Power (W)	7896.0
RLA(A)	14.3
Cooling COP(W/W)	3.44
Power	380-420V/3~50Hz or 480V/3~60Hz
Min. Operating Voltage (V)	342.0
Max. Operating Voltage (V)	462.0
LRA(A)	117.0
Max. Operating Current (A)	19.5
Rated Speed (rpm)	2900.0
Weight (kg. With Oil)	66.0
Oil Type	320
Oil Viscosity (cSt, 40°C)	32.0
Oil Density (kg/L, 20°C)	0.902
Oil Initial Charge (L)	3.0
Oil Recharge (L)	2.8
Oil Circulation Rate	<math>\leq 0.01</math>
Rated Sound (Sound Power Level, dBA)	76.0
Max. Oper. Sound Under Oper. Envelope (Sound Power Level, dBA)	81.0
(mm) Vibration peak-peak	<math>\leq 0.1</math>
Moisture (mg)	<math>\leq 100.0</math>
Impurity (mg)	<math>\leq 140.0</math>
LVS (V)	334.0
Min. Oper. Voltage Under Max. Load (V)	342.0

1. Specification	
1.1. Basic Performance	
Model	WR180M-TFD-GN1
Compressor Type	Hermetic Scroll Compressor
Application	Air condition
Refrigerant	R22
Displacement (cc/rev)	108.0
Cooling Capacity(W)	2000.0
Input Power (W)	5820.0
RLA(A)	19.5
Cooling COP(W/W)	3.44
Power	380-420V/3~50Hz or 480V/3~60Hz
Min. Operating Voltage (V)	342.0
Max. Operating Voltage (V)	462.0
LRA(A)	83.0
Max. Operating Current (A)	16.3
Rated Speed (rpm)	2900.0
Weight (kg. With Oil)	38.0
Oil Type	320
Oil Viscosity (cSt, 40°C)	32.0
Oil Density (kg/L, 20°C)	0.902
Oil Initial Charge (L)	1.8
Oil Recharge (L)	1.6
Oil Circulation Rate	<math>\leq 0.01</math>
Rated Sound (Sound Power Level, dBA)	74.0
Max. Oper. Sound Under Oper. Envelope (Sound Power Level, dBA)	79.0
(mm) Vibration peak-peak	<math>\leq 0.1</math>
Moisture (mg)	<math>\leq 100.0</math>
Impurity (mg)	<math>\leq 140.0</math>
LVS (V)	334.0
Min. Oper. Voltage Under Max. Load (V)	342.0



25  
طن تبريد  
SC25C1F2F



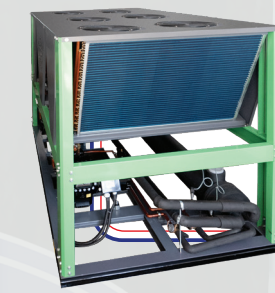
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MODEL NAME	SC10C1F1	SC15C2F2	SC30C1F2	SC10C2F3	SC20C2F3	SC25C2F3	SC70C2F6	SC180C2F12
Dimensions L*W*H (mm)	2100*900*1550	2100*900*1550	1000*900*1200	2350*1000*1850	2850*1000*1850	2000*2000*1950	3150*2000*2350	4200*2100*2400
Power supply system	380v~3 φ 50/60Hz	380v~3 φ 50Hz	380v~3 φ 50Hz	380v~3 φ 50Hz	380v~3 φ 50Hz	380v~3 φ 50Hz	380v~3 φ 50Hz	380v~3 φ 50Hz
Controller	Microcomputer controller	Microcomputer controller	Microcomputer controller	Microcomputer controller	Microcomputer controller	Microcomputer controller	Microcomputer controller	Microcomputer controller
protective device	Reverse phase protection, Lack-phase Protection System, Over-current Protection System, Compressor Exhaust Gas Temp Protection System, Over-high/Over-low Pressure Protection System, Over-low Temperature Protection System, Water Flow	Reverse phase protection, Lack-phase Protection System, Over-current Protection System, Compressor Exhaust Gas Temp Protection System, Over-high/Over-low Pressure Protection System, Over-low Temperature Protection System, Water Flow	Reverse phase protection, Lack-phase Protection System, Over-current Protection System, Compressor Exhaust Gas Temp Protection System, Over-high/Over-low Pressure Protection System, Over-low Temperature Protection System, Water Flow	Reverse phase protection, Lack-phase Protection System, Over-current Protection System, Compressor Exhaust Gas Temp Protection System, Over-high/Over-low Pressure Protection System, Over-low Temperature Protection System, Water Flow	Reverse phase protection, Lack-phase Protection System, Over-current Protection System, Compressor Exhaust Gas Temp Protection System, Over-high/Over-low Pressure Protection System, Over-low Temperature Protection System, Water Flow	Reverse phase protection, Lack-phase Protection System, Over-current Protection System, Compressor Exhaust Gas Temp Protection System, Over-high/Over-low Pressure Protection System, Over-low Temperature Protection System, Water Flow	Reverse phase protection, Lack-phase Protection System, Over-current Protection System, Compressor Exhaust Gas Temp Protection System, Over-high/Over-low Pressure Protection System, Over-low Temperature Protection System, Water Flow	Reverse phase protection, Lack-phase Protection System, Over-current Protection System, Compressor Exhaust Gas Temp Protection System, Over-high/Over-low Pressure Protection System, Over-low Temperature Protection System, Water Flow
Compressor brand model	Danfoss Scroll	Danfoss Scroll	MITSUBISHI Scroll	Danfoss Scroll	Danfoss Scroll	Danfoss Scroll	Hanbell screw type	Hanbell screw type
Energy control%	0, 100	0, 100	0, 100	0, 50, 100	0, 50, 100	0, 50, 100	0, 66, 100	0, 12.5, 25, 50, 62.5, 75, 87.5, 100
Nominal cooling capacity kW	11	40	7.5	53	80	131	226	1205
Compressor input power kW	12.3	12.3	16.8	16.8	24.6	40	72	380
Refrigerants	R22A	R410A	R407A	R410A	R410A	R410A	R407C	R407
Refrigerant charge kg	8	16	3	12	16	20	60	346
Refrigeration circuit	1	1	1	2	2	2	2	2
Air side heat exchanger	Copper tube with corrugated aluminum fin	Copper tube with corrugated aluminum fin	Copper tube with corrugated aluminum fin	Copper tube with corrugated aluminum fin	Copper tube with corrugated aluminum fin	Copper tube with corrugated aluminum fin	Copper tube with corrugated aluminum fin	Copper tube with corrugated aluminum fin
Axial Fan	external rotor	external rotor	external rotor	external rotor	external rotor	external rotor	external rotor	external rotor
Air flow×1000 m³/h	13	13	13	20	30	47	114	400
Power kW×number	0.25×2	0.25×2	0.25×2	0.75×2	0.75×3	1.8×2	1.5×6	2.0×24
air dry temperature °C	35	35	35	35	35	35	35	35
wet bulb temperature °C	24	24	24	24	24	24	24	24
Evaporator	German stainless steel exchanger	Shell and tube	Stainless Pallot	Shell and tube	Shell and tube	Shell and tube	Shell and tube	Shell and tube
Maximum pressure on water side Mpa	1	1	1	1	1	1	1	1
In/Out pipe diameter in	2"	2"	2"	2"	2-1/2"	2-1/2"	3"	4"
Water flow m³/h	6.9	6.9	6.9	9.2	13.8	22.5	38.8	150
Water pressure drop kPa	25	25	7	28	31	32	22	83
inlet temperature °C	8	12	12	12	12	12	12	12
outlet temperature °C	0	7	7	7	7	7	7	7
TANK	Stainless 304 tank with insulated cover	Stainless 304 tank with insulated cover	Stainless 304 tank with insulated cover	Stainless 304 tank with insulated cover	Stainless 304 tank with insulated cover	Stainless 304 tank with insulated cover	Stainless 304 tank with insulated cover	Stainless 304 tank with insulated cover
PUMP	Italian stainless pump	Italian stainless pump	Italian stainless pump	Italian stainless pump	Italian stainless pump	Italian stainless pump	Italian stainless pump	Italian stainless pump
Operating noise dB(A)	65	65	65	66	68	71	68	85
Shipping weight kg	540	540	160	760	1000	1200	2730	9376
Operating weight kg	594	594	160	836	1100	1320	3003	10368

