

Mbsm.pro, compressor, Secop, GTK55AT, 170W, R134, LBP, 1/5 HP, RSIR, 579 BTU

Category: compressor

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Mbsm.pro, compressor, Secop, GTK55AT, 170W, R134, LBP, 1/5 HP, RSIR, 579 BTU

Mbsm.pro, Refrigerator, Fridge-Freezer, RT511JSPN, No Frost, Sumsung, 441 L, 309 L, Compressor, Mk172Q-L2U, 1/4 Hp, 205 W, 699 BTu/H, Samsung Compressor, Mk Serie, R134A, 7.21 cc, 220-240 v, LBP, Static Compressor, RSIR

Category: Refrigerator

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Mbsm.pro, Refrigerator, Fridge-Freezer, RT511JSPN, No Frost, Sumsung, 441 L, 309 L, Compressor, Mk172Q-L2U, 1/4 Hp, 205 W, 699 BTu/H, Samsung Compressor, Mk Serie, R134A, 7.21 cc, 220-240 v, LBP, Static Compressor, RSIR

Mbsm.pro, Compressor, QBH73C13GAE,

1/4 hp, RSIR, Reciprocating Compressors, Fixed Speed, Q Series, R134a, LBP

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Mbsm.pro, Compressor, QBH73C13GAE, 1/4 hp, RSIR, Reciprocating Compressors, Fixed Speed, Q Series, R134a, LBP

Mbsm.pro, Compressor, D77C18RAX5, RSIR , 1/4 Hp, D Series, r134a, LBP, 186 W, Toshiba, Refrigerator, 14 Feet, GR-EF40, 2 Doors, New Compressor, PE75H1C, 250 w, 1/4 hp

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Performance

Application : Low Back Pressure

Refrigerant : R134a (CF₃CH₂F)

Evaporator Temperature Range : -35°C to -5°C

Series	Model	Displacement (cm ³)	Voltage / Frequency	Motor Type	ASHRAE		CECOMAF	
					Capacity	COP	Capacity	COP
					W	W/W	W	W/W
	D77C15RAW5	7.7	220/240V 50Hz	RSIR	186 / 186	1.27 / 1.24	-	-
				RSCR	186 / 186	1.32 / 1.27	-	-
	D77C17GAX6	7.7	220V 60Hz	RSIR	236	1.25	-	-
				RSCR	-	-	-	-
	D77C17RAT6	7.7	110V 60Hz	CSIR	-	-	-	-
				CSCR	236	1.34	-	-
	D77C18RAX5	7.7	220V 50Hz	RSIR	186	1.24	-	-
				RSCR	186	1.31	-	-
	D91C18RAW5	9.1	220/240V 50Hz	RSIR	227 / 227	1.29 / 1.24	-	-
				RSCR	227 / 227	1.37 / 1.31	-	-
	D91C18TA00	9.1	100V 50/60Hz	CSIR	-	-	-	-

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Mbsm.pro, Compressor, D77C18RAX5, RSIR , 1/4 Hp, D Series, r134a, LBP, 186 W, Toshiba, Refrigerator, 14 Feet, GR-EF40, 2 Doors, New Compressor, PE75H1C, 250 w, 1/4 hp

Mbsm.pro, Compressor, B43H, HUAYI, 1/7 Hp, LBP, ACC, CUBIGEL, Danfoss, RSIR , r134a

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B43H

R134a

220-240V~50/60Hz ⑤



HUAYI COMPRESSOR(JINGZHOU)CO.,LTD.

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Mbsm.pro, Compressor, B43H, HUAYI, 1/7 Hp, LBP, ACC, CUBIGEL, RSIR , r134a

Mbsm.pro, Compressor, Embraco, Aspera, EMY26CLC, LBP, R600a, 220 – 240V/1/50Hz, 1/12 HP, RSIR, LRA 7.8 A, 83 Wat

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Compressor, Embraco, Aspera, EMY26CLC, LBP, R600a, 220 – 240V/1/50Hz, 1/12 HP, RSIR, LRA 7.8 A, 83 Wat

Mbsm.pro, Motor, compressor, type, RSIR, RSCR, CSIR, CSCR, PSC

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(1) RSIR

Resistance start induction run

(2) RSCR

Resistance start capacitor run

(3) CSIR

Capacitor start induction run

(4) CSCR/CSR

Capacitor start capacitor run

(5) PSC

Permanent split capacitor

(1) RSIR

Resistance start induction run

(2) RSCR

Resistance start capacitor run

(3) CSIR

Capacitor start induction run

(4) CSCR/CSR

Capacitor start capacitor run

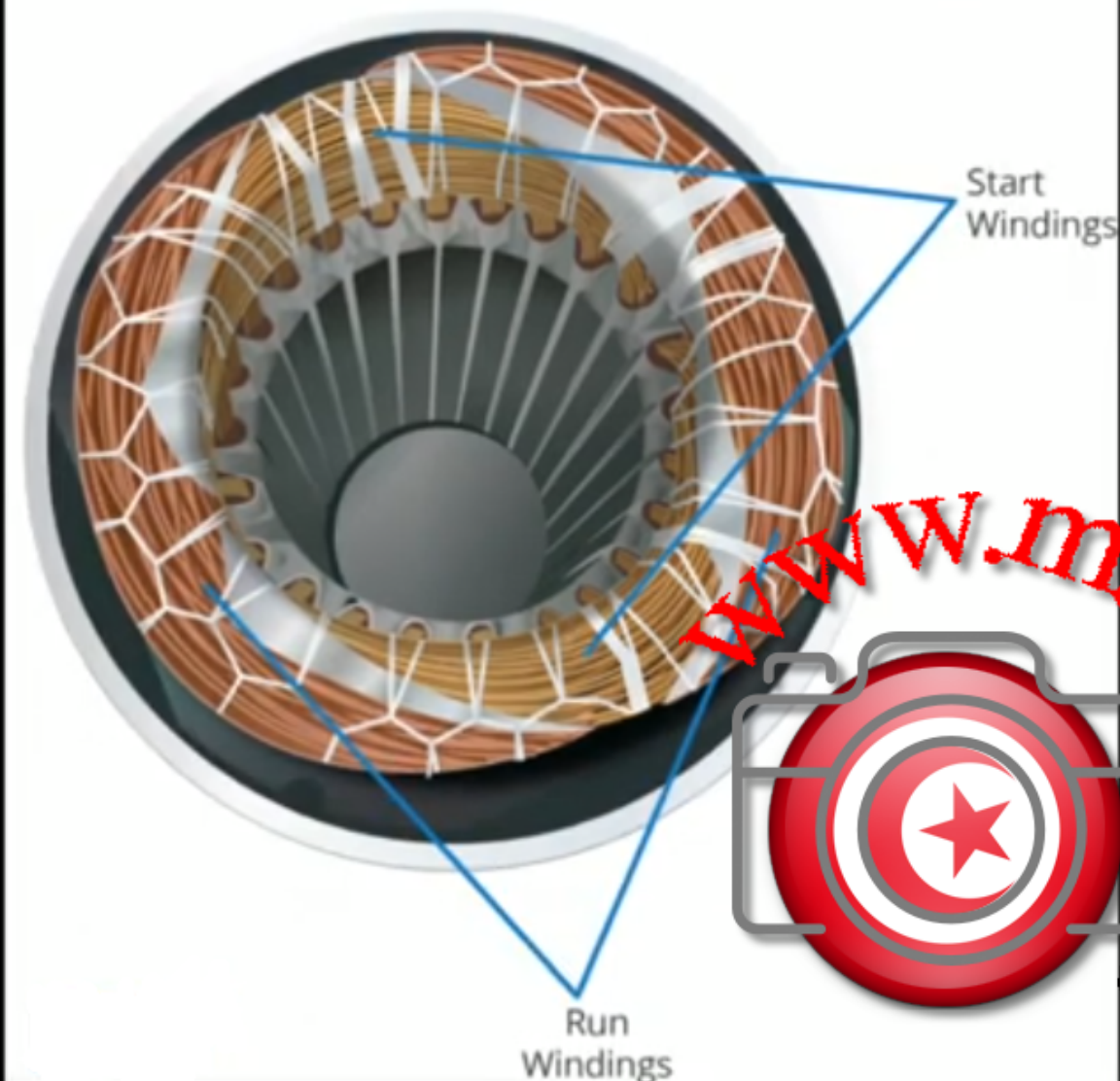
(5) PSC

Permanent split capacitor

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Compressor Windings



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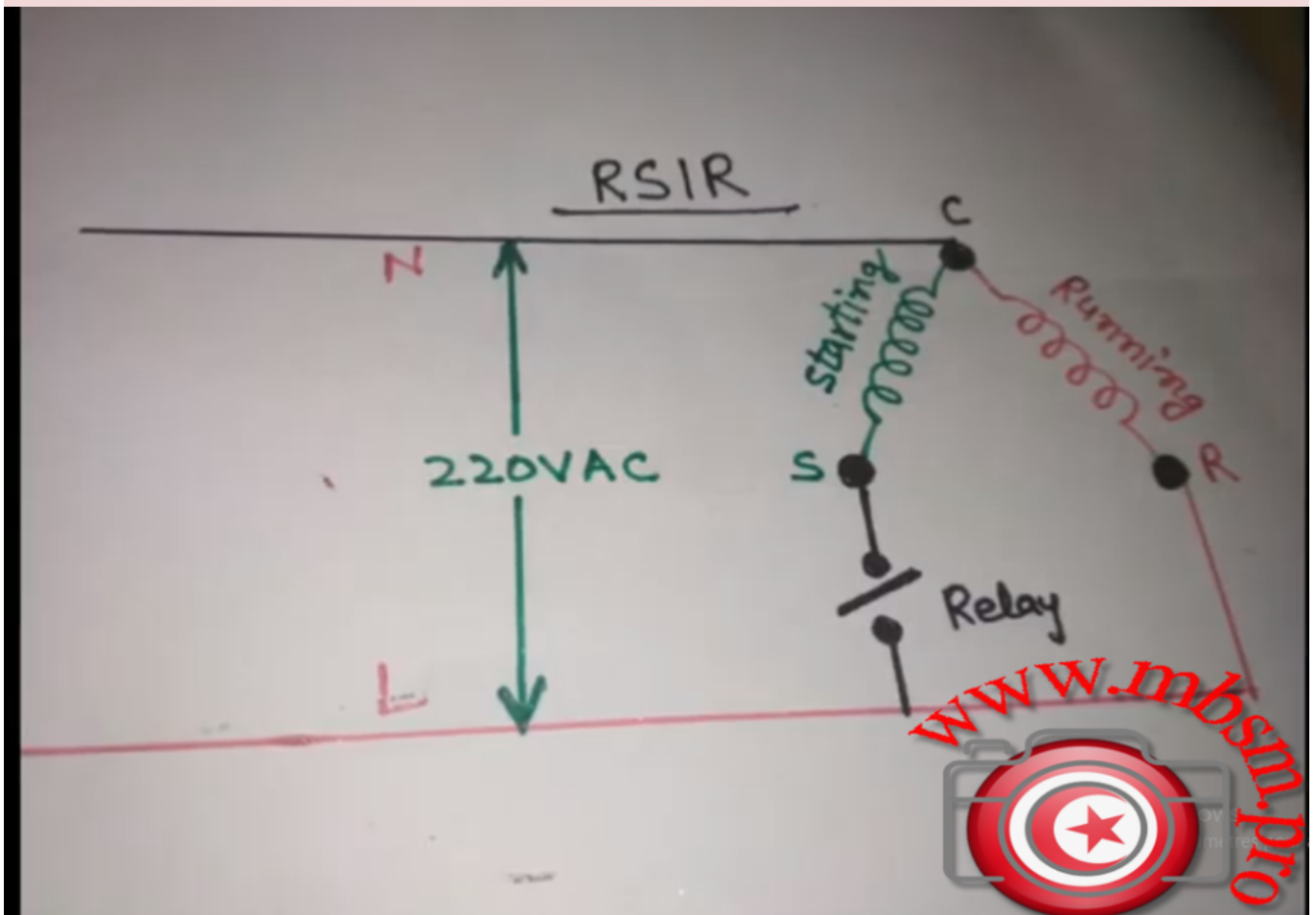
www.mbsm.pro (1) RSIR
Resistance start induction run

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RSIR



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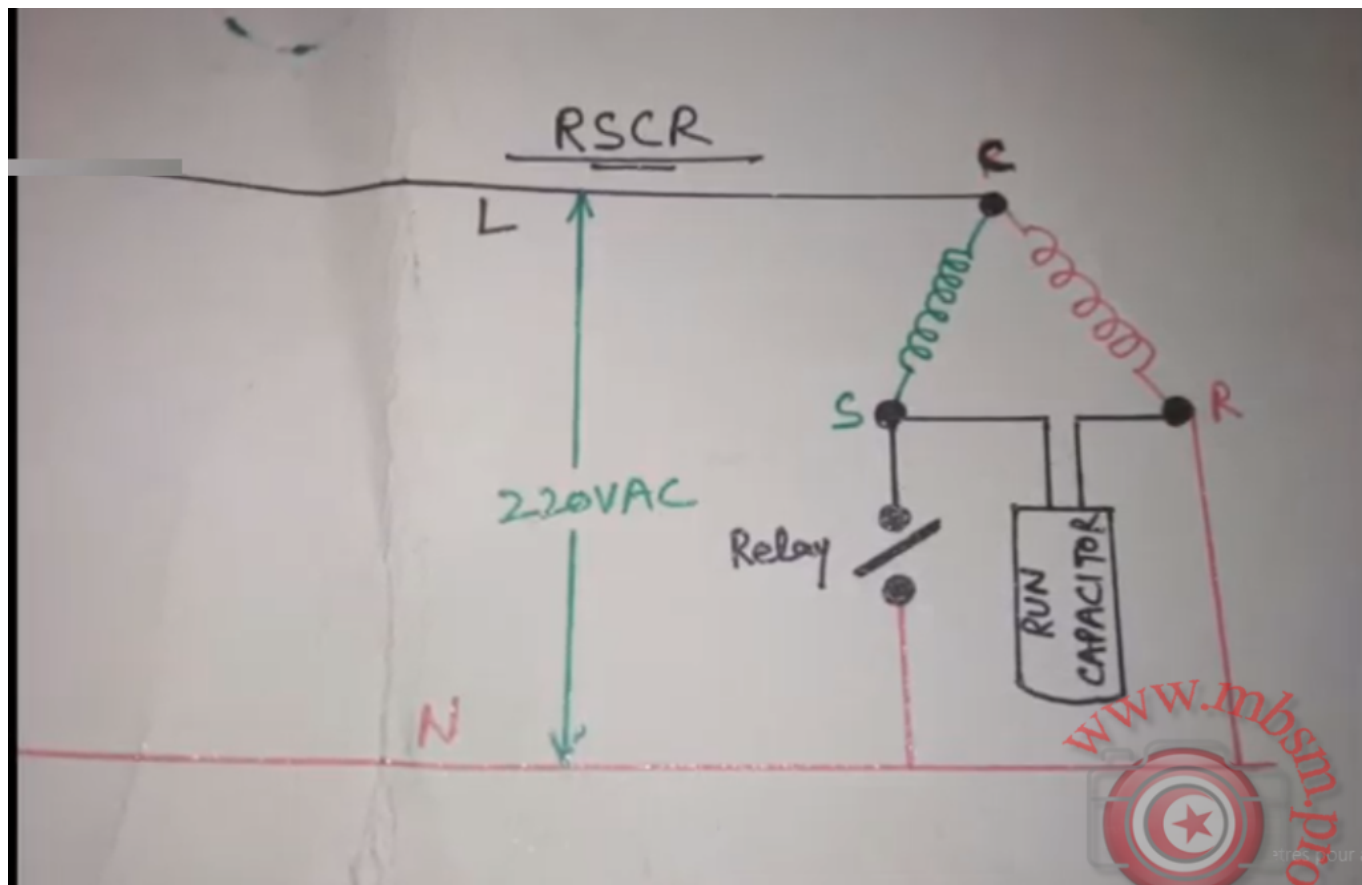
(2) RSCR Resistance start capacitor run

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RSCR



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(3) CSIR Capacitor start induction run

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The diagram illustrates the internal wiring of a CSIR (Capacitor Start Induction Run) motor. It shows a 220V AC supply connected to the motor terminals. The motor has a main winding (Running) and a starting winding (Starting) in series with a starting capacitor. A relay is connected to the starting winding to disconnect it once the motor is running. The diagram is labeled 'CSIR' and '220VAC'.

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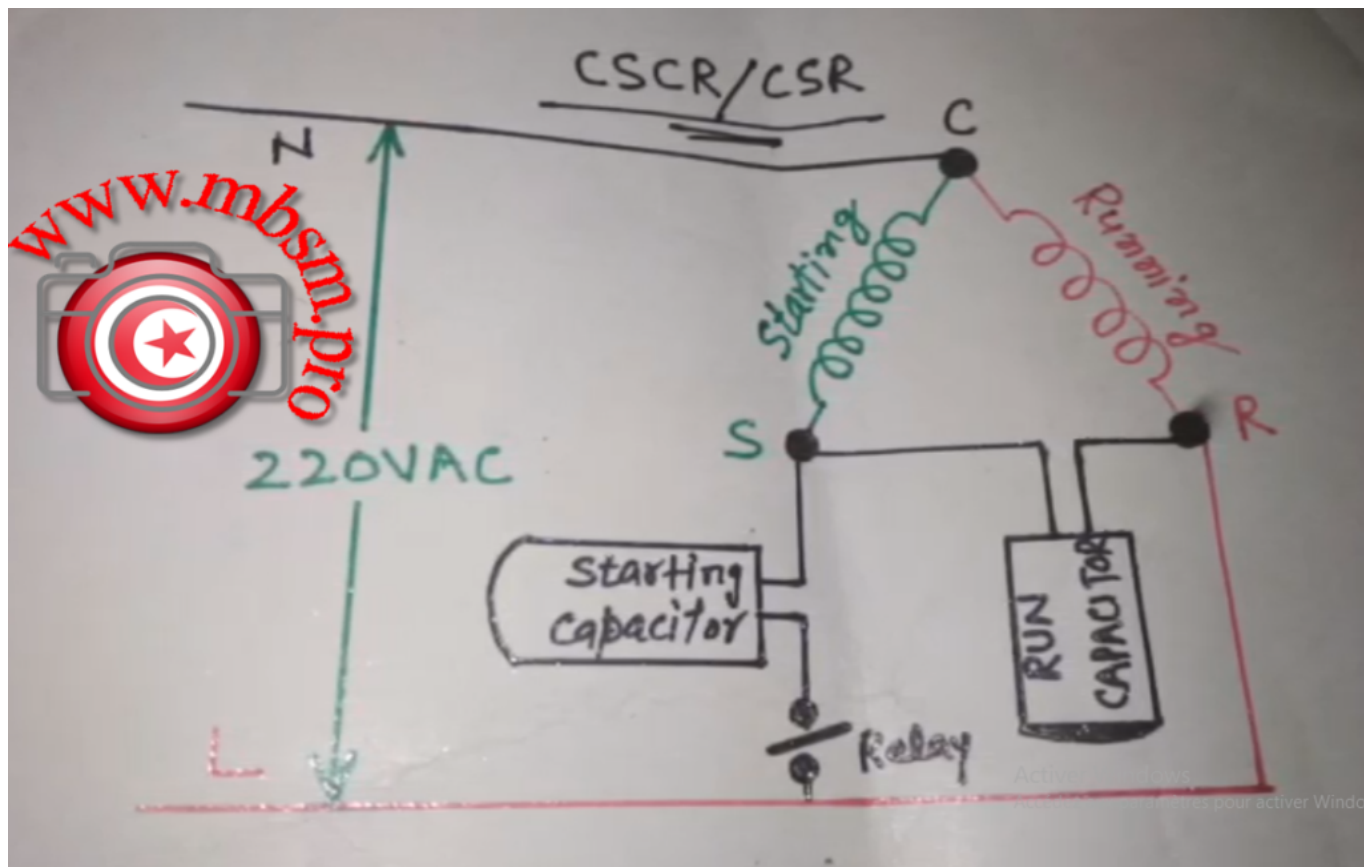


(4) CSCR/CSR Capacitor start capacitor run

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CSCR/CSR





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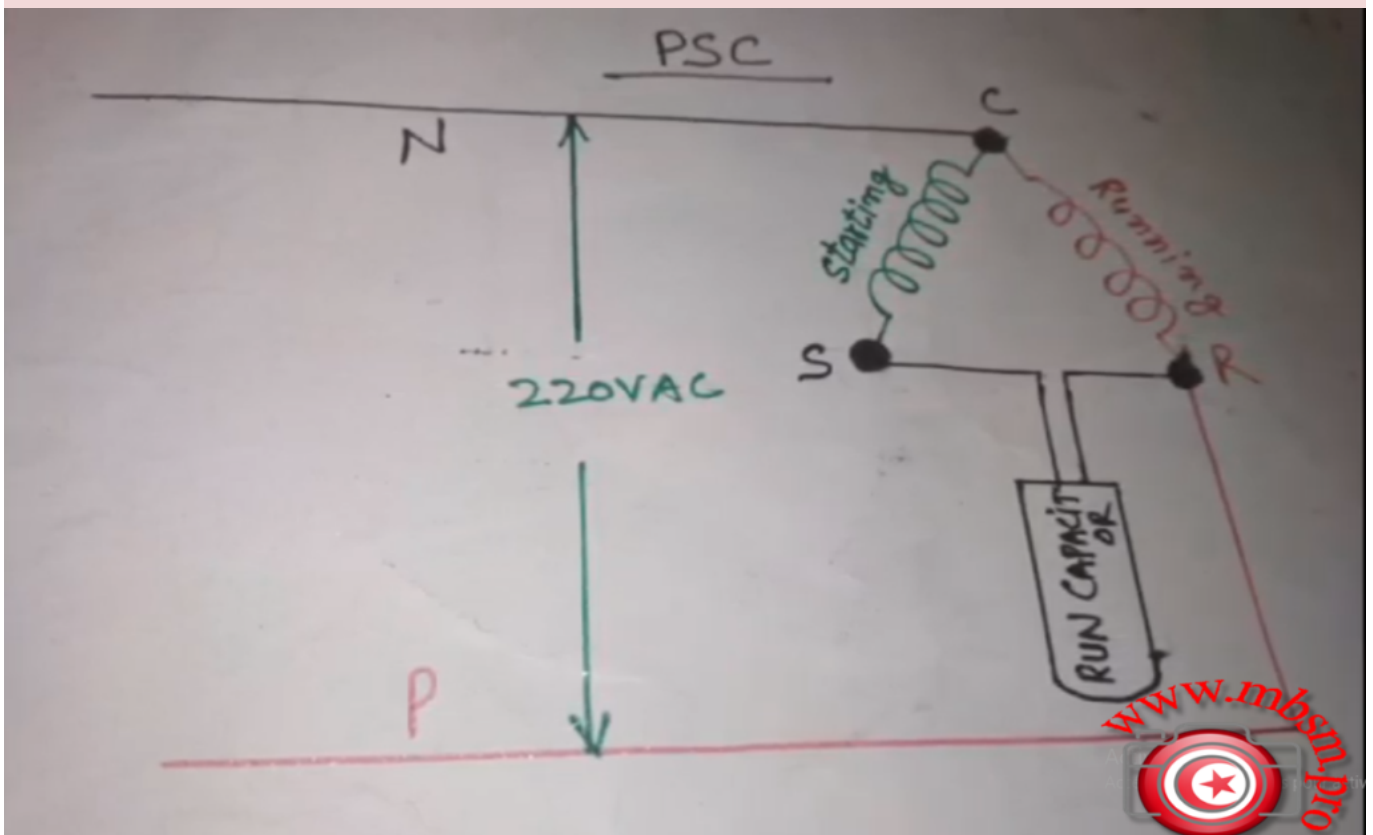
(5) PSC Permanent split capacitor

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PSC



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Best quality Chinese Brand, 3/8HP, R134A compressor, refrigerator, QD128H, 260W, RSIR, copper wire compressor, LBP, 220-240V/50Hz, 325W cooling capacity

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Best quality Chinese Brand, 3/8HP, R134A compressor, refrigerator, QD128H, 260W, RSIR, copper wire compressor, LBP, 220-240V/50Hz, 325W cooling capacity

Medium and High Back Pressure Compressors, M/HBP, RSIR, TECUMSEH, 1/5++ HP, R134a, 160g, TWB1374YGS, TW146GY, 220v/50-60, kiriazi defrost,

340L, k350, k350/1, Embraco, ff17.5hak, tw146-gy-486, twb1374ygs

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Medium and High Back Pressure Compressors, M/HBP, RSIR, TECUMSEH, 1/5++ HP, R134a, 160g, TWB1374YGS, TW146GY, 220v/50-60, kiriazi defrost, 340L, k350, k350/1, Embraco, ff17.5hak, tw146-gy-486, twb1374ygs

Types of Electrical Motors, RSIR, CSIR, RSCR, CSR, PTC, NTC, LST, HST, MBP, HBP, LBP

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Types of Electrical Motors

RSIR (Resistance Start-Induction Run)

LST motor. No capacitors. Auxiliary winding is disconnected after start up. Standard energy efficiency.

CSIR (Capacitor Start-Induction Run)

HST motor. With starting capacitor.

Auxiliary winding is disconnected after start up. Standard efficiency.

RSCR (Resistance Start-Capacitor Run)

LST motor. With running capacitor. Auxiliary winding remains connected after start up.

Used for high efficiency in small capacity compressors (particularly in household refrigeration)

CSR (Capacitor Start and Run)

HST motor. Two capacitors (starting and running).

Auxiliary winding remains connected after start up.

Used for high efficiency in small compressors and for size reduced size motors in compressors with comparatively large displacements

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HST motor. Two capacitors (starting and running). Auxiliary winding remains connected after start up. Used for high efficiency in small compressors and for size reduced size motors in compressors with comparatively large displacements.



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Type of starting device

Current relay – (electromechanical). RSIR/CSIR motors and CSR low/medium-power motors with NTC (the NTC is connected in series with the starting capacitor and the main purpose is to reduce the current peaks in the relay contacts)

Potential relay – (electromechanical). CSR high-power motors.

PTC – (Positive Temperature Coefficient), the resistance increases with the temperature. Device only with RSIR or RSCR motors in the (Small L, B), L and P ranges.

NTC – (Negative Temperature Coefficient), the resistance decreases with the temperature. Used in some CSR in order to reduce dimensions and components.

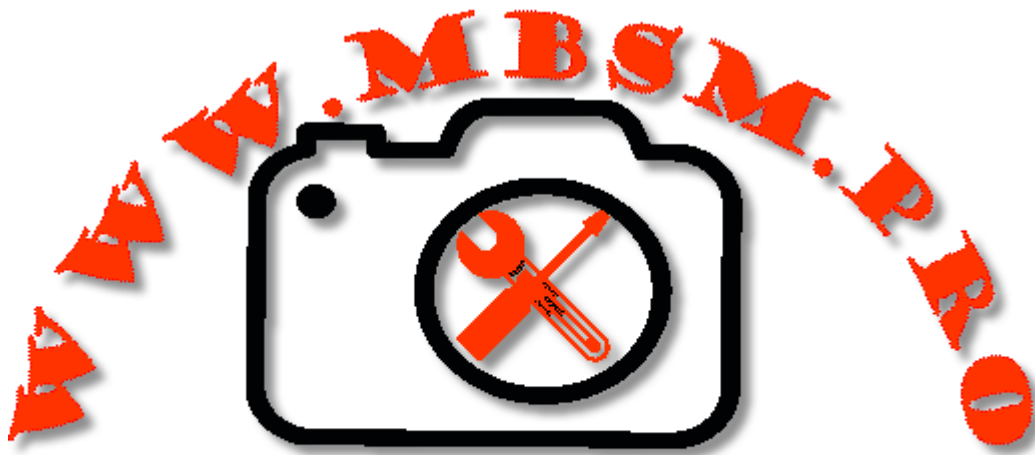
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Type of torque

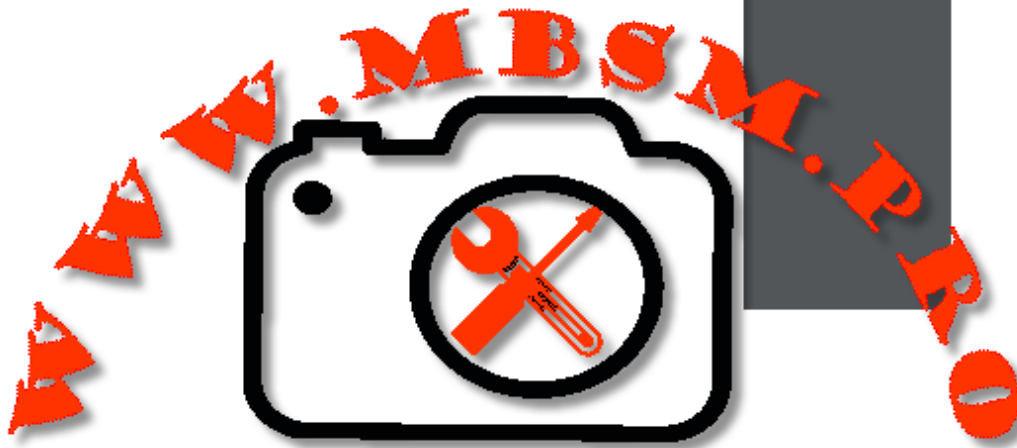
LST – Low Starting Torque – Systems with capillary tube or balanced pressures at start up.

HST – High Starting Torque – Systems with expansion valve or capillary tube, with unbalanced pressures at start up.

Type of torque

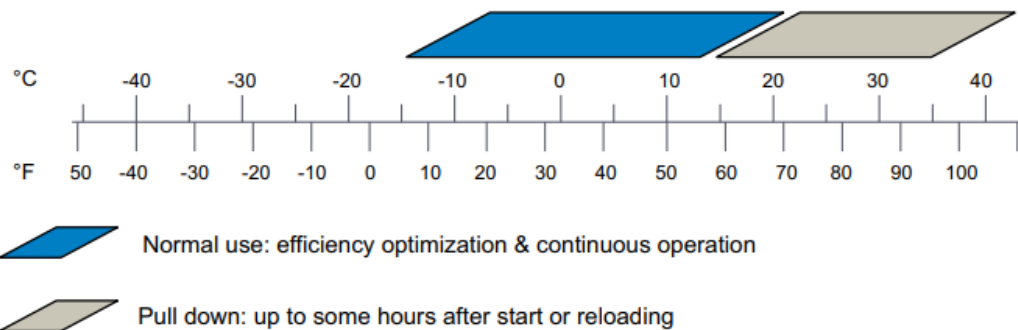
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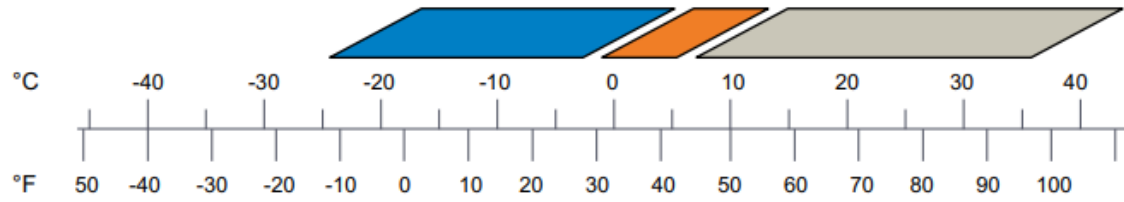
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Secop HBP compressors: evaporation pressures



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Secop MBP compressors: evaporation pressures

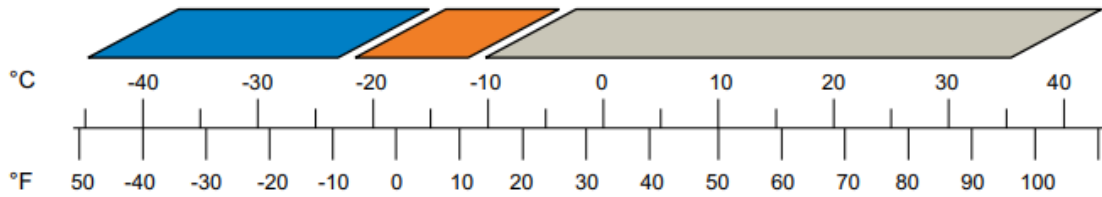





-  Normal use: efficiency optimization & continuous operation
-  High load: continuous operation
-  Pull down: up to some hours after start or reloading



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Secop LBP compressors: evaporation pressures



-  Normal use: efficiency optimization & continuous operation
-  High load: continuous operation
-  Pull down: short time operation (<60min.) after start or defrost



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