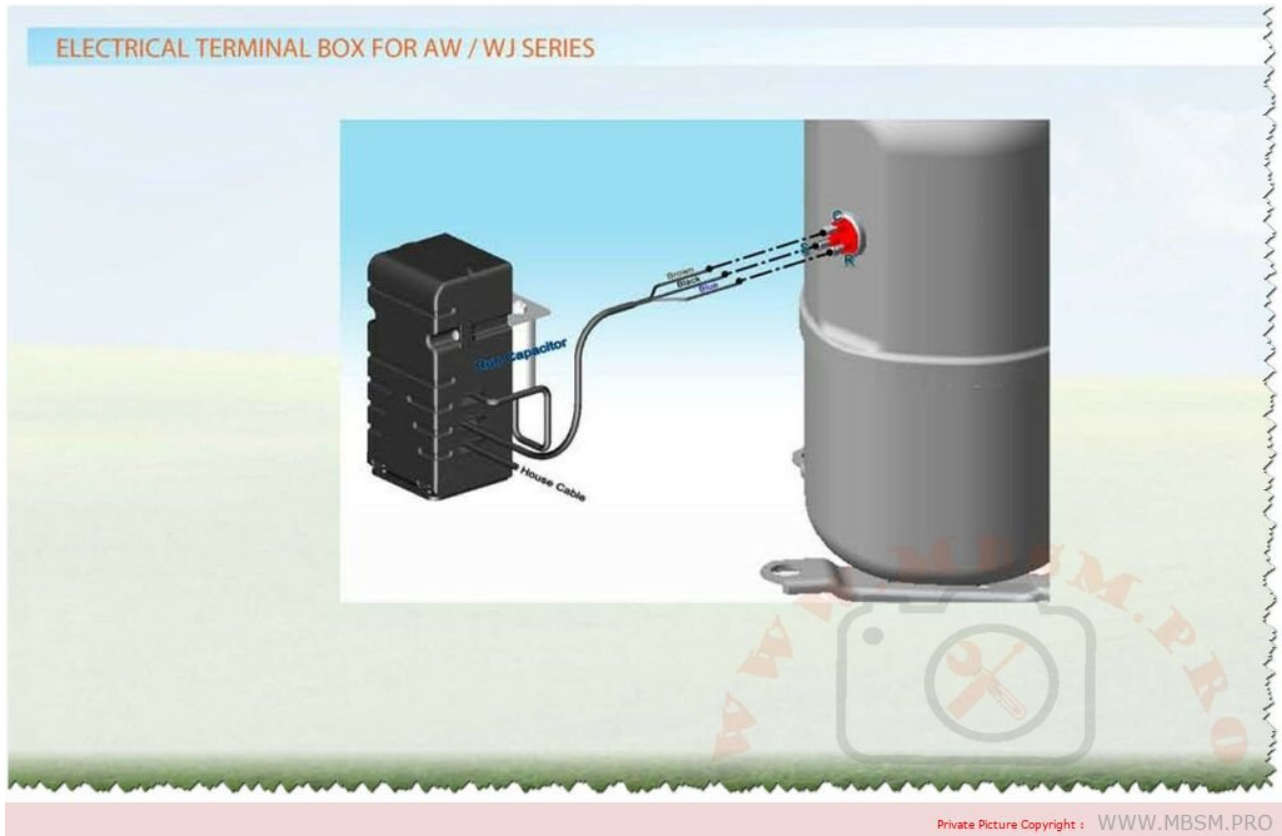


# Mbsm.pro, Type of Compressor, csr, psc, pscr, cscr, rsir

written by Lilianne | 27 January 2024



Mbsm.pro, Type of Compressor, csr, psc, pscr, cscr, rsir

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**COMPRESOR, 1/2+ HP, 6.639  
BTU/h, R-134a, 220V, PH1,  
CSR, HBP, CUBIGEL, GPT16RG**

written by Amina | 27 January 2024



OTE 9

COMPRESOR, 1/2+ HP, 6.639 BTU/h, R-134a, 220V, PH1, CSR, HBP,  
CUBIGEL, GPT16RG

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**Mbsm.pro, COMPRESOR, SELLADO,  
1/2 HP, 6269 BTU/h, R-404a,  
220V, PH1, CSR, HMBP,  
CUBIGEL, MP12TG**

written by Lilianne | 27 January 2024

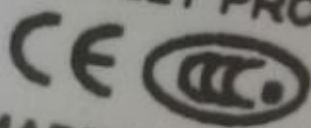
el

**MP12TG**

**200-220V~50Hz PH1**

**220-230V~60Hz**

**THERMALLY PROTECTED**



**MADE IN SPAIN**

**2**



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Mbsm.pro, COMPRESOR, SELLADO, 1/2 HP, 6269 BTU/h, R-404a,  
220V, PH1, CSR, HMBP, CUBIGEL, MP12TG

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**Mbsm.pro, Compressor,  
Hermetic, Tecumseh, CAJ2464Z,  
LBP, R404A, R507A,  
220-240/1/50, CSR, 34.4 cm<sup>3</sup>,  
1.5 Hp, 1 1/2 Hp**

written by Lilianne | 27 January 2024



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Mbsm.pro, Compressor, Hermetic, Tecumseh, CAJ2464Z, LBP, R404A, R507A, 220-240/1/50, CSR, 34.4 cm<sup>3</sup>, 1.5 Hp, 1 1/2 Hp



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**Mbsm.pro, DL25YE-4, 1/4 hp ,  
1Ph, DAEW00,COMPRESSOR R12,  
CSR, compressor, LBp, 220V  
60hz**

written by Lilianne | 27 January 2024



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Mbsm.pro, DL25YE-4, 1/4 hp , 1Ph, DAEW00,COMPRESSOR, R12, CSR,  
compressor, LBp, 220V 60hz

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

written by Lilianne | 27 January 2024

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



# Types of Electrical Motors

## **RSIR (Resistance Start-Induction Run)**

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

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HST motor. With starting capacitor. Auxiliary winding is disconnected after start up. Standard efficiency.

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LST motor. With running capacitor. Auxiliary winding remains connected after start up. Used for high efficiency in small capacity compressors (particularly in household refrigeration)

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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.

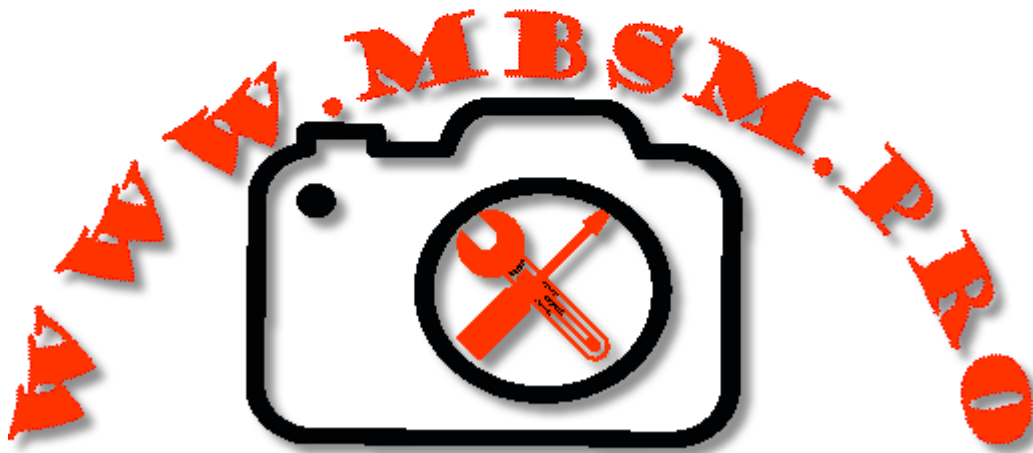
### Type of starting device

**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)

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### Type of torque

LST – Low Starting Torque – Systems with capillary tube or balanced

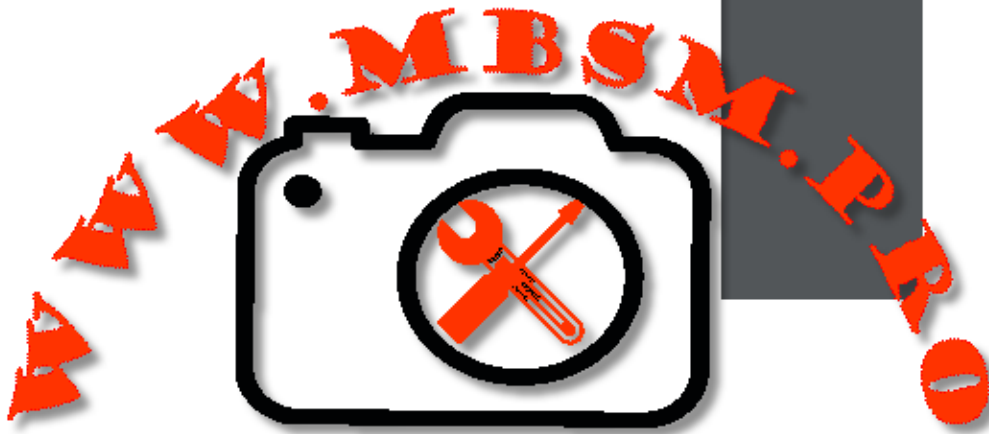
pressures at start up.

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

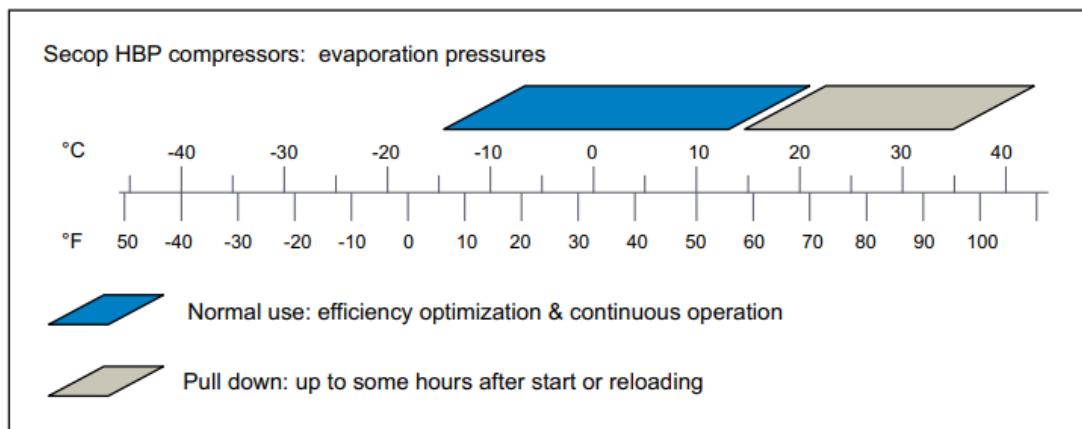
## Type of torque

**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.

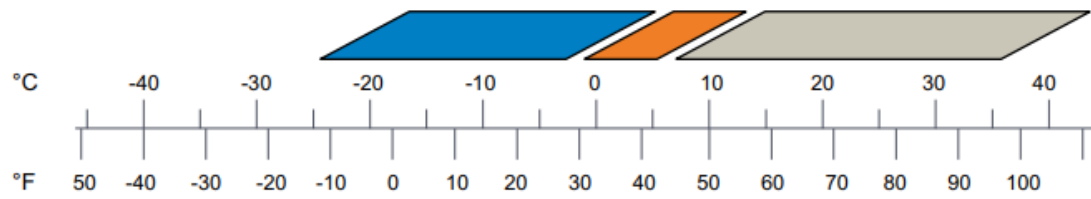





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# Secop MBP compressors: evaporation pressures

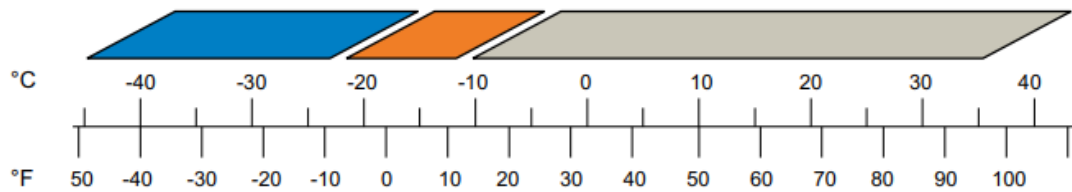





-  Normal use: efficiency optimization & continuous operation
-  High load: continuous operation
-  Pull down: up to some hours after start or reloading



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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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# **Compresseur, MPT18LA, R-404A / R-507, Cubigel Compressors, 1/2 HP, LBP, CSR**

written by Lilianne | 27 January 2024

Le compresseur à piston hermétique à basse température Cubigel MPT18LA est utilisé dans les équipements de réfrigération avec des températures de fonctionnement d'évaporation inférieures à -20 °C:

1. Réfrigérateurs
2. Congélateurs
3. Réfrigérées vitrines
4. Chambres frigorifiques pour produits surgelés.

## **Caractéristiques du compresseur Cubigel MPT18LA:**

- Travailler sur le fréon R404a / R507a
- Application de LBP (Low Dack Pressure)
- Volume du cylindre 18 cm<sup>3</sup>
- Capacité d'huile 450 cm<sup>3</sup>
- Type d'huile ISO VG 32 ESTER
- Courant de démarrage 19 A
- Poids 12,5 kg

## **Caractéristiques du moteur du compresseur Cubigel MPT18LA:**

- Type de moteur CSR
- Puissance 1/2 CV

- Tension 200-220V 50Hz
- Tension admissible 170-242 V





Mbsm\_dot\_pro\_private\_PDF\_compresseur-acc-cubigell-electrolux-MPT16LATélécharger

Mbsm\_dot\_pro\_private\_PDF\_huayi\_compressor\_mpt18la\_\_r404a\_220\_50\_1Télécharger

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**Compressor coolant ,  
104L2123,Compresseur Danfoss  
SC18CL – R404A, R449A, R407A,  
R452A,R404a/R507, SC18CL,  
220-240V 50Hz, LBP/MBP, 5/8HP  
, CSR,LRA 20A, 3.25A , 715W,  
210\*85 freezer**

written by Lilianne | 27 January 2024

Compressor coolant , 104L2123,Compresseur Danfoss SC18CL –  
R404A, R449A, R407A, R452A,R404a/R507, SC18CL, 220-240V 50Hz,  
LBP/MBP, 5/8HP , CSR,LRA 20A, 3.25A , 715W

---

**3/4HP (+Big, Cappacitor  
10 $\mu$ F), CSR, Danfos , secop**

**refrigerator freezer, r134a,  
compressor, SC21G , 104G8140  
, 230 V 60Hz ,LBP / HBP, 21.8  
A**

written by Lilianne | 27 January 2024

3/4HP (+Big Capacitor 10 $\mu$ F), CSR, Danfos , secop refrigerator  
freezer, r134a, compressor, SC21G , 104G8140 , 230 V 60Hz ,MBP

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**Compressor ,Embraco Aspera  
,NJ2212GK, LBP – R404A, R507,  
220-240V/1/50Hz, 1.5 HP,  
34.38 cm<sup>3</sup>, LRA 36.0 A, CSR,  
lubricant charge 750ml POE  
22, 1547 W ,at -23.3 / +54.4  
°**

written by Lilianne | 27 January 2024



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Compressor ,Embraco Aspera ,NJ2212GK, LBP – R404A, R507, 220-240V/1/50Hz, 1.5 HP, 34.38 cm<sup>3</sup>, LRA 36.0 A, CSR, lubricant charge 750ml POE 22, 1547 W ,at -23.3 / +54.4 °