

Compressor, LXH72PDG, Series: LX, 7.2 cm³, R134a, HBP, 1/4 hp, RSIR, PTC,

written by Lilianne | 9 November 2023



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Compressor, LXH72PDG, Series: LX, 7.2 cm³, R134a, HBP, 1/4 hp, RSIR, PTC,

Compressor, LG, V75LAEG, V 75 Leag, 1/4 hp, 167 k/cal, 7.46

**cc, 220v/50hz, Ptc, Rsir,
compressor cooling, Lbp,
r134a**

written by Amina | 9 November 2023



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Compressor, LG, V75LAEG, V 75 Leag, 1/4 hp, 167 k/cal, 7.46
cc, 220v/50hz, Ptc, Rsir, compressor cooling, Lbp, r134a

**Mbsm.pro, Compressor,
kx69Lbeg, LG, Serie Kx, 1/5
hp++, 1/4 hp-, Lbp, r134a,
220-240v, RSIR, PTC, 190
w/input 150 w, capillary
0.040**

written by mahdi miled | 9 November 2023



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Mbsm.pro, Compressor, kx69Lbeg, LG, Serie Kx, 1/5 hp++, 1/4 hp-, Lbp, r134a, 220-240v, RSIR, PTC, 190 w, capillary 0.040

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

written by Lilianne | 9 November 2023

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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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.

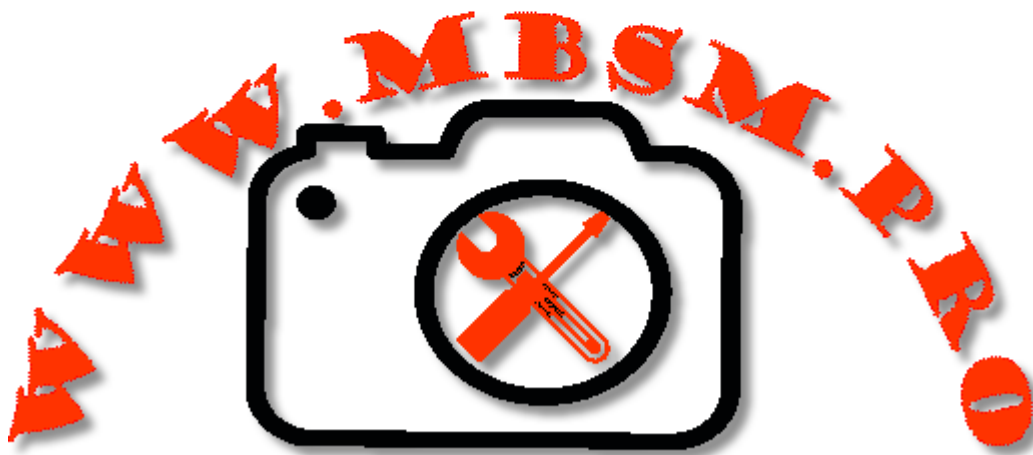
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Type of torque

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.

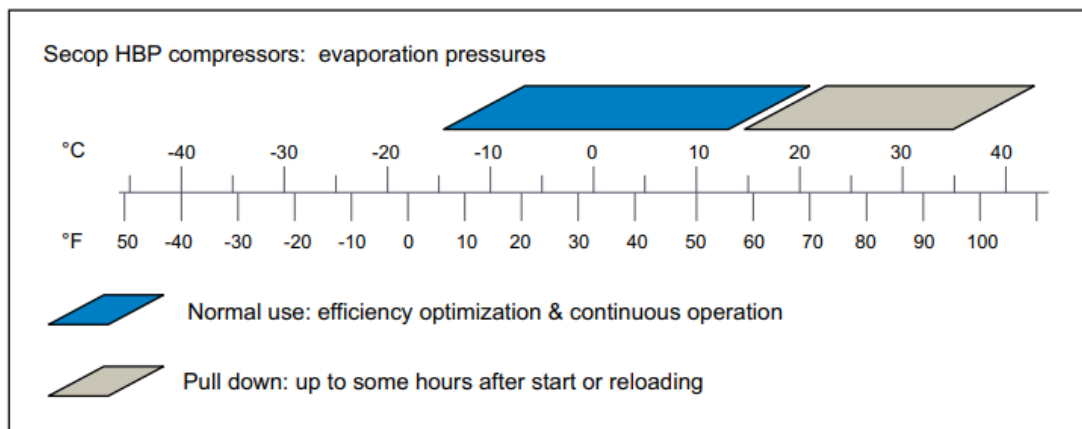
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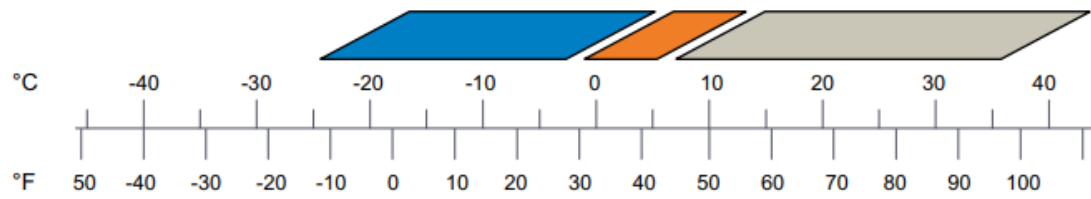





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Secop MBP compressors: evaporation pressures

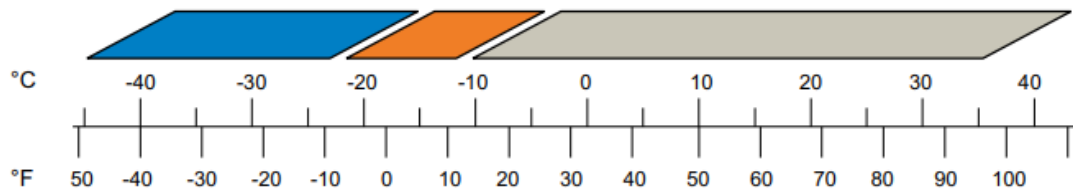





-  Normal use: efficiency optimization & continuous operation
-  High load: continuous operation
-  Pull down: up to some hours after start or reloading



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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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