

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

written by Lilianne | 8 April 2021

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



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 torque

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

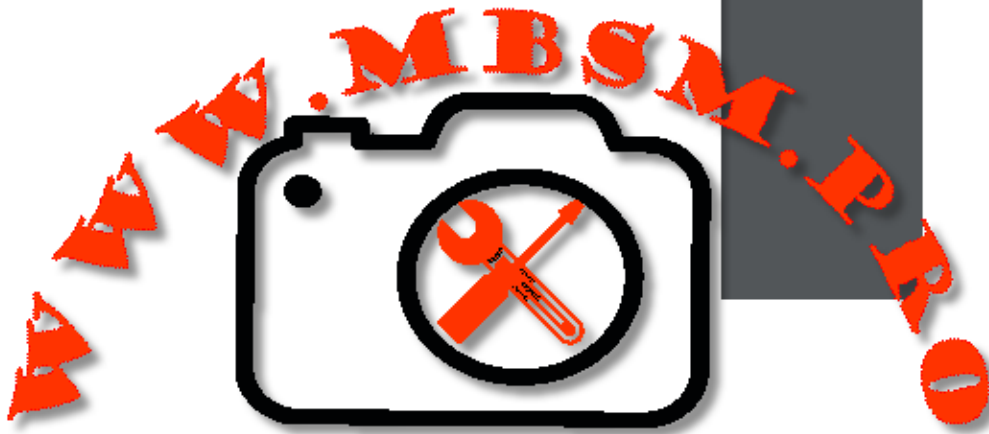
pressures at start up.

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

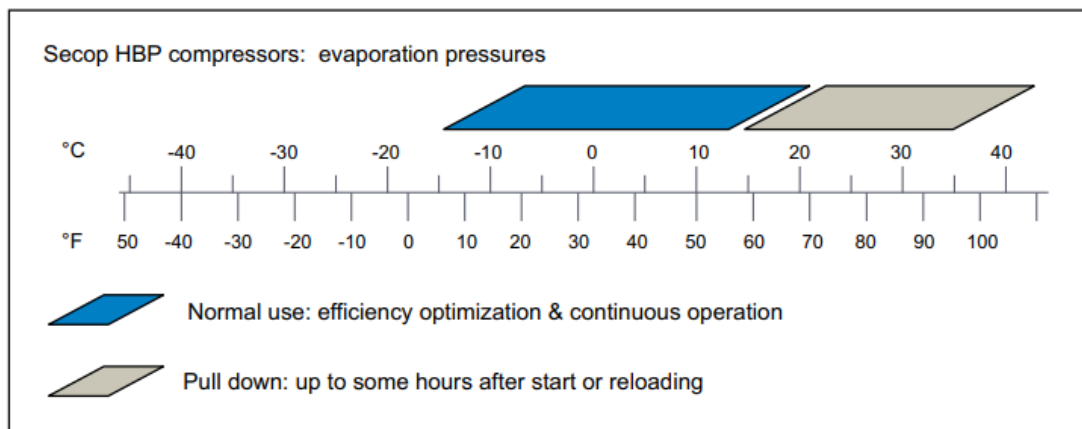
Type of torque

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

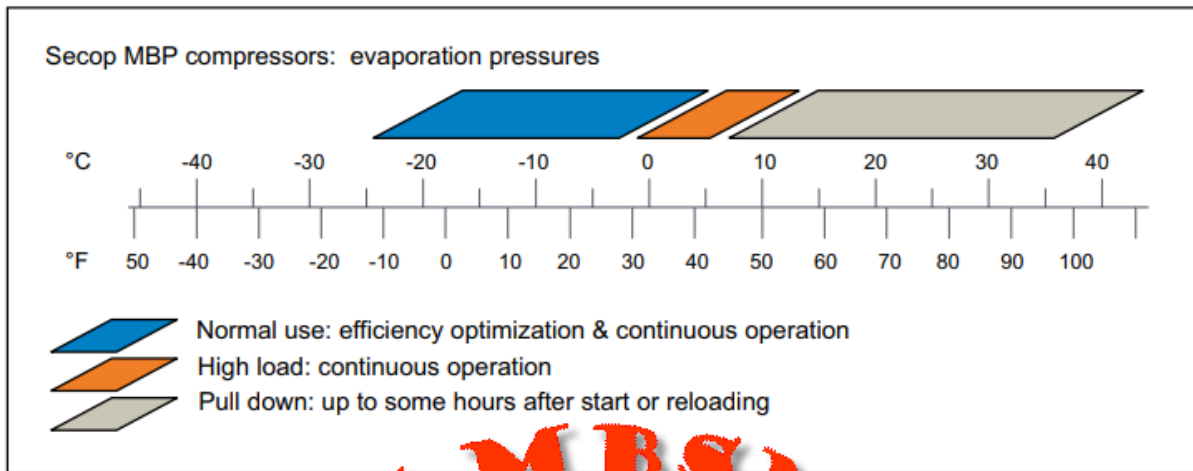
HST – High Starting Torque – Systems with expansion valve or capillary tube, with unbalanced pressures at start up.



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Catalogue, DANFOSS, All Compressor, PDF Catalogs, Documentation

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Catalogue, DANFOSS, All Compressor, PDF Catalogs, Documentation

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Compressor, 1/3HP, FR10S, 103U2930, SECOP, 103U, 2930, Compressor Danfoss, R12, 220-240V, 50Hz

written by Lilianne | 8 April 2021

▪ DESCRIPTION

DESCRIPTION



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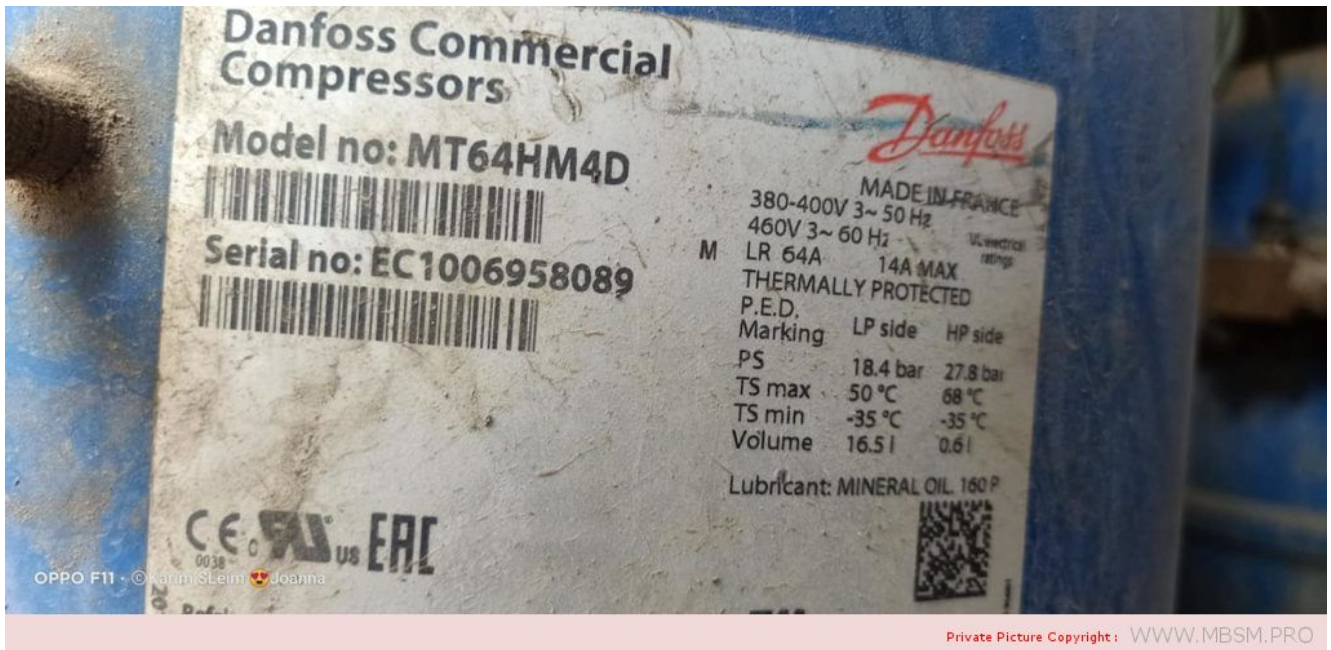
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Sr	Material	Material Description	Capacity	Cons. Watts -25
		R134a		
1	103G6660	Danfoss Compressor FR 6G	1/6 HP	119 W
2	103G6680	Danfoss compressor FR 7.5G	1/5 HP	138 W
3	103G6780	Danfoss compressor FR 8.5G	1/4 HP	164 W
4	103G6880	Danfoss compressor FR 10G	1/3 HP	194 W
		R12a		
5	103G2630	Danfoss compressor FR 6S	1/6 HP	119 W
6	103U2730	Danfoss compressor FR 7.5S	1/5 HP	138 W
7	103U2830	Danfoss compressor FR 8.5S	1/4 HP	164 W

8	103U2930	Danfoss compressor FR 10S	1/3 HP	194 W
		R134a		
9	104G8240	Danfoss compressor SC 12G	3/8 HP	298 W
10	104G8520	Danfoss compressor SC 15G	1/2 HP	356 W
11	104G8820	Danfoss compressor SC 18G	5/8 HP	615 W
12	104G8140	Danfoss compressor SC 21G	7/8 HP	702 W
		R404a / R507a		
13	104L2523	Danfoss Compressor SC 10CL	1/3 HP	352 W
14	104L2623	Danfoss Compressor SC 12CL	3/8 HP	445 W
15	104L2853	Danfoss Compressor SC 15CL	1/2 HP	560 W
16	104L2123	Danfoss Compressor SC 18CL	5/8 HP	615 W
17	104L2322	Danfoss Compressor SC 21CL	7/8 HP	702 W

Danfoss, Compressor, 5 Hp, R22, Démontage, ouverture, DESTRUCTION

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**COMPRESSEUR, DANFOSS, SECOP,
NL7.3MF, 105G6772 195B0370,
105G, 6773, R134a, 1 / 4L Hp,
cylindrée 7.27 cc,**

displacement 7.27 cc, MBP

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mbsm.pro, COMPRESSEUR, DANFOSS, SECOP, NL7.3MF, 105G6772
195B0370, 105G, 6773, R134a, 1 / 4L Hp++big, cylindrée 7.27
cc, displacement 7.27 cc, MBP

Détails techniques

220/230V 50/60Hz

puissance 1/4L HP – cylindrée 7,27 cc

gaz R134a MBP

DANFOSS 105G6772

FRIULINOX

FriulinoxArmoireréfrigérée AF12-14, AF12-14 VTR, AF12-14 VTRP, AF14, AF6-1, AF6-7, AF6-7 VTR, AF7, AF7 VTR, AF7-14, AG60 GOLD, AG60 H2O, AG60 SILVER, AG60 SILVERP, AG60P, AL-EN SUPER, AL-EN1, AL-EN1 SUPER, AL-EN1P, AL-EN2, AL-EN2 SUPER, AL-ENP, AP12-14, AP14, AP6, AP6-12, AP6-7, AP7, AP7-14, AR12-14, AR12-14 VTR, AR14, AR6-12, AR6-12 VTR, AR6-7, AR6-7 VTR, AR7, AR7-14, AR7-14 VTR, AR-EN GOLD, AR-EN SILVER, AR-EN1, AR-EN1 GOLD, AR-EN1 VTR, AR-EN2, AR-ENP, ARF142, ARP142, ARP-EN1, ARP-EN2, EN GOLD, EN P, EN SILVER, EN1, EN1 GOLD, EN1 H2O, EN1 H2O SILVER, EN1 SILVER, EN1 VTR, EN2, EN2 H2O

FriulinoxCellulede refroidissement ARP122

FriulinoxVitrineréfrigérée AFP122, AFP142, ARF122

INFRICO

InfricoArmoireréfrigérée AN-502-MX

InfricoComptoirneutre réfrigérée ME-1000-BAND, ME-1000-II, MP-1740-CN

InfricoTableréfrigérée BMPP-1500-EN, BMPPF-1500-II, EB-1500-II, ME-1000-PIZZA

...et d'autres dispositifs



COMPRESSEUR, EMBRACO, ASPERA, NEK6213GK, HMBP, 1/2+ hp, 614 W

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- Puissance frigorifique à -10°C 1305 W
- Puissance électrique à -10 °C 614 W
- Puissance en cheval 1/2+ CV
- Alimentation 220-240 V 50 Hz
- Gaz R404a/R507 HMBP
- Moyenne et haute pression
- Complet avec starter, condensateur, boîtier et système de fixation

Codes fabricants

- ALPENINOX (anciennement NE9213GK)
- ASCAS0-VF.792 (anciennement NE9213GK)
- ASPERA-NE9213GK (anciennement NE9213GK)
- ELECTROLUX-85551 (anciennement NE9213GK)
- EMBRACO-NE9213GK (anciennement NE9213GK)
- EUNASA-21075 (anciennement NE9213GK)
- EURFRIGOR-RB000447 (anciennement NE9213GK)
- ITV-302035 (anciennement NE9213GK)
- WHIRLP00L-485409918033 (anciennement NE9213GK)
- ZANUSSI-85551 (anciennement NE9213GK)
- ALPENINOX-91161
- ANGELO P0-3138720
- ASPERA-NEK6213GK

- ASPERA-NEK6213GK-CSIR
- ELECTROLUX-91161
- EMBRACO-NEK6213GK
- EMBRACO-NEK6213GK-CSIR
- EMMEPI-8C1300
- FAST RICAMBI-605.125
- GEV-605.125
- MIGEL-1RF173
- SAGI-3138720
- UGOLINI-22807-13010
- VND-605.125
- ZANUSSI-91161

Compressor ASPERA NEK6213GK | NEK 6213 GK

Refrigerant	R404A/R507
Working range[stC] MBP	-20 do +10
Nominal capacity [W] (evaporating temperature +7,2C, Condensing temperatur +54,4C)	1761
Power supply	220-240V 50Hz
Engine type	CSIR
Displacement [cm ³]	12,11
Weight [kg]	11,6

Evaporating temperature +55 C

Evaporating Temperature	Cooling Capacity +/-5%			Power Consumption +/-5%	Current Consumption +/-5%	Gas Flow Rate +/-5%	Efficiency +/-7%	
	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)
°C	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)
-20	514	598	2.040	569	3,87	16,07	0,90	1,05
-15	643	747	2.551	642	4,13	20,19	1,00	1,16
-10	793	922	3.148	717	4,41	25,09	1,11	1,29
-5	966	1.124	3.835	792	4,70	30,85	1,22	1,42
0	1.163	1.352	4.615	868	5,02	37,57	1,34	1,56
5	1.384	1.610	5.493	946	5,36	45,32	1,46	1,70
10	1.631	1.896	6.472	1.025	5,72	54,18	1,59	1,85

Substitutes for this compressor

are: Electrolux/Cubigel MP12TB , Danfoss/Secop SC10DL ,
L'Unite Hermetique/Tecumseh CAE9470Z

Refrigerant:	R404A , R507
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COMPRESSEUR EMBRACO NEK6213GK

220/240V 50Hz

puissance 1/2 Hp, le déplacement 12,12 cc

gaz réfrigérant R404a/R507 HMBP

LES CODES DE FABRICANT

091161 **ALPENINOX**

3138720 **ANGELO PO**

NEK6213GK **ASPERA**

NEK6213GK-CSIR **ASPERA**

091161 **ELECTROLUX PROFESSIONNEL**

NEK6213GK **EMBRACO**

NEK6213GK-CSIR **EMBRACO**

8C1300 **EMMEPI**

1RF173 **MIGEL**

3138720 **SAGI**

22807-13010 **UGOLINI**

091161 **ZANUSSI**

Alimentation	220/240 V-50 Hz-1 Ph
Chevaux	1/2 hp

Déplacement	12,11 cm ³
Application	MHBP
Capacité frigorifique en conditions ASHRAE, R404A/R507	1,76 kW
Capacité frigorifique en conditions EN12900 MT, R404A/R507	0,97 kW
Réfrigérant	R404A, R452A, R507A
Aspiration	3/8"
Refoulement	1/4"
Poids	11,60 kg
Hauteur maximale	206 mm
LRA	19,30 A
Huile de recharge	350 cm ³
Type d\'huile	P0E 22 ester
Autres remarques	Accessoires de démarrage inclus
Technologie	Vitesse fixe
Type de refroidissement moteur	Ventilateur
Type moteur	CSIR
Type protection moteur	External



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Mbsm_dot_pro_private_PDF_nek6213GK-Catalogue_Embraco-1Télécharger



**Compressor ,DANFOSS , 2123
104L,coolant
R404a/R507,SC18CL ,220-240V
50Hz, LBP/MBP (csr),hermetic
,13,7kg ,5/8HP (Big),781W**

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Compressor ,DANFOSS , 2123 104L,coolant R404a/R507,SC18CL
220-240V 50Hz, LBP/MBP (csr),hermetic ,13,7kg ,5/8HP
(Big),781W