

Kulthorn, compressor, Kulthorn compressor, c- qn76l6f, c-qn76l6f-1, 1/10 Hp, 1Ph, Serie C-q, R134a, 76 watt, Low back pressure, 200-220V/50hz, 220v/60hz, Compressor modifier

written by Lilianne | 7 January 2021

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Compressor Motor Protectors

Each compressor incorporates a motor protection device or system. Generally, the larger the compressor, the more sophisticated the motor protector.

It is essential that an electric motor is protected against conditions that could otherwise result in damage to the motor or to the electrical supply system. For this reason, every Kulthorn compressor is supplied with a motor protector, sometimes referred to as an overload. The more expensive the compressor, the greater is the economic justification for specifying a motor protector that has the ability to protect over a wider range of conditions.

1. External Motor Protectors

A smaller compressor (such as an AZ, AE or WJ) is fitted

with an external motor

protector. Most commonly, this is a compact, cylindrical device that contains a snapaction bimetallic disc. The protector is mounted in contact with the surface of the compressor housing, inside the terminal guard.

The compressor current passes through the bimetallic disc. The resistance of this disc

causes the disc temperature to increase as the motor current increases. There is usually

a small heater, located under the disc and connected in series with the disc itself. This

heater further raises the temperature of the disc. There is also the impact of the

compressor shell temperature, and a hot compressor will further increase the disc

temperature. The temperature of the disc is thus influenced by the combined effects of –

- the compressor motor current
- the compressor shell temperature

When the bimetallic disc reaches a predetermined temperature (often either 105°C or 120°C) the disc will snap open, and power supply to the compressor will be interrupted.

The compressor will cool, and at a reduced disc temperature the protector will reset

and the compressor will restart, or attempt to restart.

If the abnormal condition that

caused the protector to trip in the first place still exists, the compressor is likely to continue

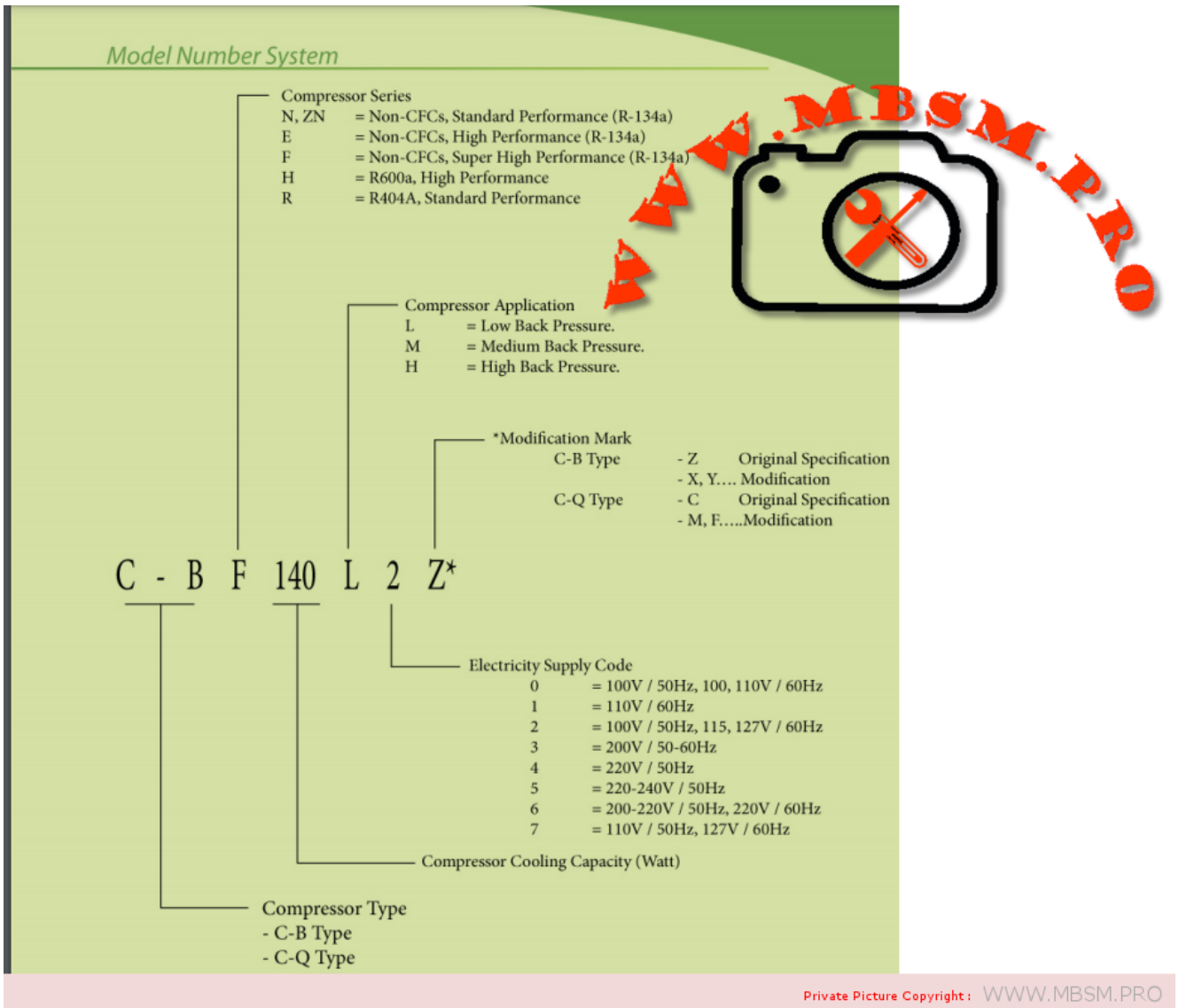
to cycle on the overload until that condition is corrected.

There are two situations where a motor protector is expected to operate.

2. When the compressor is running under extreme conditions.
3. When the compressor is in a locked rotor condition. This is a situation where the compressor cannot start because the voltage is too low,

the system pressures are outside the range for which the compressor is approved, there is internal damage to the compressor, or there is some other reason why the compressor is incapable of starting





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KULTHORN
COMPRESSOR

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Name: Kulthorn Premier Company Limited (KPC)
 Established: December 1982
 Registered Capital: Baht 1,125 Million
 Address: 446/3 Moo 9 Chachoengsao – Nakornratchasima Road,
 Kabinburi Industrial Estate, Nongki, Kabinburi, Prachinburi 25160, Thailand
 Telephone: (037) 204835, 455516
 Fax: (037) 455525, 204844
 E-mail: sales_kpc@kulthorn.com
 kamjorn@kulthorn.com
 Employees: 900 persons
 Land area: 91 rai (145,600 m²)
 Building of area: 41,500 m²
 Business Products: Hermetic Reciprocating Compressor (Scotch Yoke Mechanism)
 (Product under license SANYO Japan) Size 30-250 Watt.
Compressor series / Refrigerant
 C-BN, C-BZN, C-BE, C-BF / R-134a
 C-QN / R-134a
 C-BH / R-600a
 C-BR / R-404A
 Shareholder: Kulthorn Kirby Public Company Limited 100%
 Customers: **Domestic** – Haier, Sanyo, Toshiba, Hitachi, Daewoo, Samsung, Sanden, etc.
Total = 35%
Export – Daewoo, Sanyo Group, GE, Sanden, Haier, Singer, Videocon,
 Toshiba, etc.
Total = 65%
 Quality System: ISO 9001:2000 Certified by TUV Nord Year 2003
 Q-Mark Certified by F.T.I. Year 2007



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**Kulthorn, Kulthorn
 Compressor, C-QType (RSCR),
 C-QH Series, C-B Type, CKVE,
 CKVR Series BLDC Compressor,
 C-BR Series, C3B (3 Phase)
 Type, CKVH Series BLDC
 Compressor, C-BZN Series,
 compresseur, réfrigérateur,**

Sanyo, C-QN75L6F-L, 1/10Hp, 83w, 191 Btu / h, C-QN60L6, C-QN75L6, C-QN90L6, C-QN75L6, C-QN30L6, C-QN40L6, C-QN50L6

written by Lilianne | 7 January 2021

Kulthorn produit le compresseur de réfrigérateur Sanyo, le compresseur de réfrigérateur identique à Sanyo est maintenant produit par le fabricant de compresseurs thaïlandais (Kulthorn), des nouvelles d'une source ont déclaré que l'usine de fabrication de compresseurs de Sanyo avait été achetée par Kulthorn Kirby Public Company Limited (Thaïlande) en collaboration avec le Premier Group Cette acquisition de compresseurs frigorifiques, autrefois synonyme de la marque Sanyo, porte désormais le nom de Kulthorn.

Je ne sais pas quand ce produit circulait sur le marché indonésien, dans le passé, le nouveau compresseur de réfrigérateur Sanyo était rarement vendu et même si son prix était assez cher mais il était de très bonne qualité, j'espère qu'il y a des importateurs qui veulent le distribuer ici et espèrent que le prix pourra être compétitif avec d'autres compresseurs de réfrigérateur. Je partage la liste des petits réfrigérateurs et des réfrigérateurs de taille moyenne (type CB). – **C-QN30L6** 31 watts, 106 Btu / h. – **C-QN40L6** 45 watts, 154 Btu / h – **C-QN50L6** 56 watts, 191 Btu / h – **C-QN60L6** 65 watts, 222 Btu / h – **C-QN75L6** 83 watts, 283 Btu / h – **C-QN90L6** 93 watts , 317 Btu / heure

– **C-BZN50L6**

50 watts, 171 Btu / h.

– **C-BZN60L6**

64 watts, 218 Btu / h.

- C-BZN75L6
80 watts, 273 Btu / h.
- C-BZN90L6
99 watts, 338 Btu / Hr
- C-BZN100L6
108 watts, 369 Btu / Hr
- C-BZN110L6
140 watts, 478 Btu / Hr.
- C-BZN120L6
154 watts, 526 Btu / h.
- C-BZN140L6
168 watts, 573 Btu / h.
- C-BZN150L6
190 watts, 648 Btu / h.
- C-BZN160L6
194 watts, 662 Btu / h.
- C-BZN175L6
208 watts, 710 Btu / h.
- C-BZN200L6
241 watts, 822 Btu / h.



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Compresseur Sanyo C-BZN201L6Y, 1 / 4cv



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1/10 hp

C-QN Series (High Performance)														R134a				
1A7-S4200V / 50Hz, 60Hz.																		
C-QN30L0*	1/25	LBP	1.79	31	40	106	137	0.66	0.80	2.25	2.73	RSCR	N	**	**	3-5	200	154
C-QN40L0*	1/19	LBP	2.13	45	53	154	181	0.77	0.90	2.63	3.07	RSCR	N	**	**	3-5	200	154
C-QN50L0*	1/15	LBP	2.45	56	67	191	229	0.96	1.00	3.28	3.41	RSCR	N	**	**	3-5	200	167
C-QN60L0*	1/12	LBP	2.77	65	78	222	266	0.98	1.08	3.34	3.69	RSCR	N	**	**	3-5	200	167
C-QN75L0*	1/10	LBP	3.58	83	101	283	345	1.05	1.12	3.58	3.82	RSCR	N	**	**	3-5	200	177
C-QN90L0*	1/8	LBP	3.92	93	113	317	386	1.10	1.16	3.75	3.96	RSCR	N	**	**	3-5	200	177
C-QN100L0*	1/7	LBP	4.36	103	125	352	427	1.15	1.17	3.92	3.99	RSCR	N	**	**	3-5	200	177
100V / 50Hz., 115-127V / 60Hz.																		
C-QN30L2*	1/25	LBP	1.79	31	40	106	137	0.68	0.83	2.32	2.83	RSCR	N	**	**	8-10	200	154
C-QN40L2*	1/19	LBP	2.13	45	53	154	181	0.90	0.93	3.07	3.17	RSCR	N	**	**	8-10	200	154
C-QN50L2*	1/15	LBP	2.45	56	67	191	229	0.98	1.04	3.34	3.55	RSCR	N	**	**	8-10	200	167
C-QN60L2*	1/12	LBP	2.77	65	78	222	266	1.00	1.10	3.41	3.75	RSCR	N	**	**	8-10	200	167
C-QN75L2*	1/10	LBP	3.58	83	101	283	345	1.10	1.13	3.75	3.86	RSCR	N	**	**	8-10	200	177
C-QN90L2*	1/8	LBP	3.92	93	113	317	386	1.15	1.18	3.92	4.03	RSCR	N	**	**	8-10	200	177
C-QN100L2*	1/7	LBP	4.36	103	125	352	427	1.17	1.20	3.99	4.10	RSCR	N	**	**	8-10	200	177
220-240V / 50Hz.																		
C-QN30L5*	1/25	LBP	1.79	31	**	106	**	0.68	**	2.32	**	RSCR	N	**	**	3-5	350	154
C-QN40L5*	1/19	LBP	2.13	45	**	154	**	0.90	**	3.07	**	RSCR	N	**	**	3-5	350	154
C-QN50L5*	1/15	LBP	2.45	56	**	191	**	0.98	**	3.34	**	RSCR	N	**	**	3-5	350	167
C-QN60L5*	1/12	LBP	2.77	65	**	222	**	1.00	**	3.41	**	RSCR	N	**	**	3-5	350	167
C-QN75L5*	1/10	LBP	3.58	83	**	283	**	1.10	**	3.75	**	RSCR	N	**	**	3-5	350	177
C-QN90L5*	1/8	LBP	3.92	93	**	317	**	1.15	**	3.92	**	RSCR	N	**	**	3-5	350	177
C-QN100L5*	1/7	LBP	4.36	103	**	352	**	1.17	**	3.99	**	RSCR	N	**	**	3-5	350	177
200-220V / 50Hz., 220V / 60Hz.																		
C-QN30L6*	1/25	LBP	1.79	31	40	106	137	0.68	0.83	2.32	2.83	RSCR	N	**	**	3-5	350	154
C-QN40L6*	1/19	LBP	2.13	45	53	154	181	0.90	0.93	3.07	3.17	RSCR	N	**	**	3-5	350	154
C-QN50L6*	1/15	LBP	2.45	56	67	191	229	0.98	1.04	3.34	3.55	RSCR	N	**	**	3-5	350	167
C-QN60L6*	1/12	LBP	2.77	65	78	222	266	1.00	1.10	3.41	3.75	RSCR	N	**	**	3-5	350	167
C-QN75L6*	1/10	LBP	3.58	83	101	283	345	1.10	1.13	3.75	3.86	RSCR	N	**	**	3-5	350	177
C-QN90L6*	1/8	LBP	3.92	93	113	317	386	1.15	1.18	3.92	4.03	RSCR	N	**	**	3-5	350	177
C-QN100L6*	1/7	LBP	4.36	103	125	352	427	1.17	1.20	3.99	4.10	RSCR	N	**	**	3-5	350	177

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