Donper L65CZ1 Compressor Specs and Replacements

Category: Refrigeration
written by www.mbsm.pro | 20 February 2026

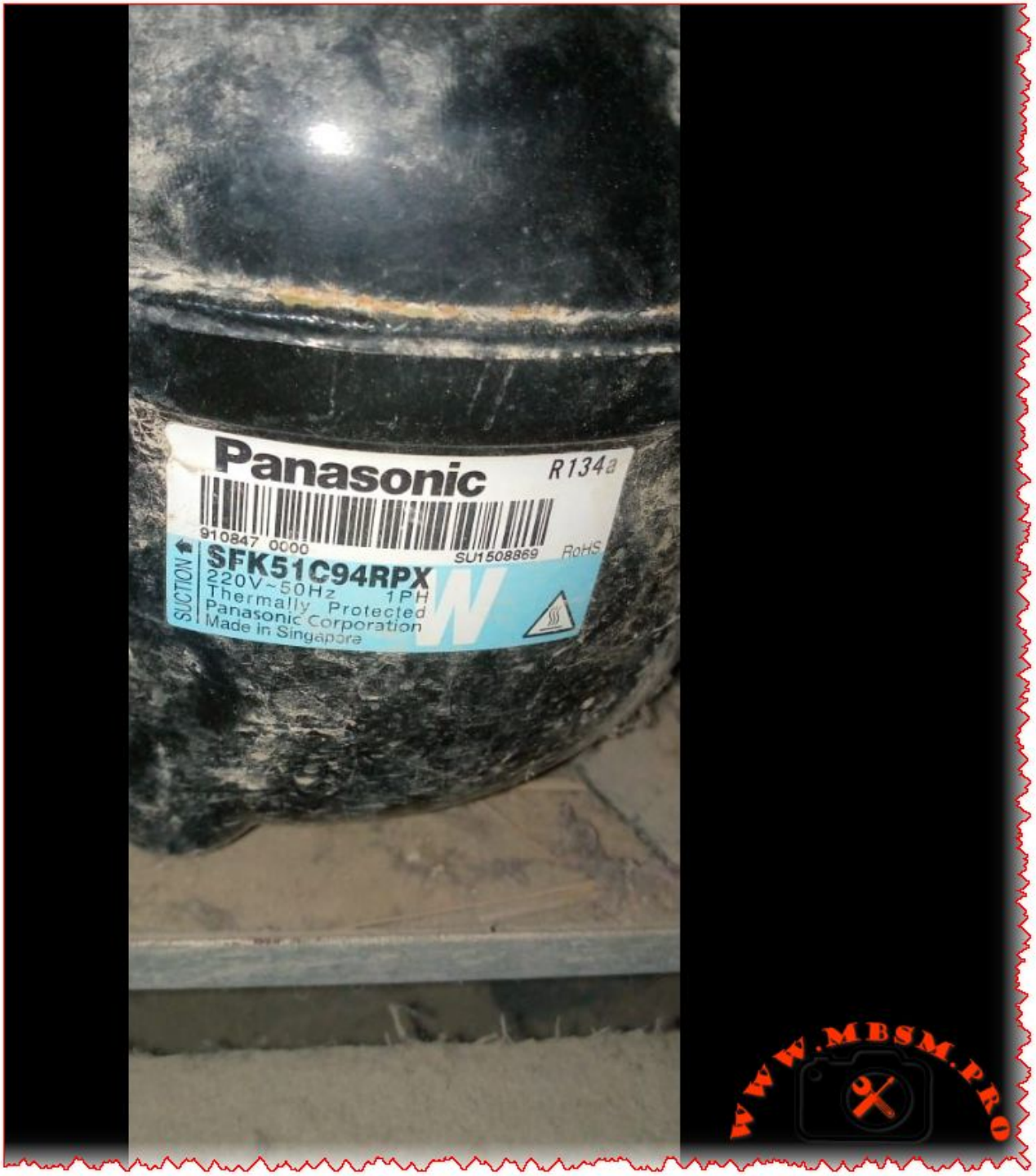


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The Donper L65CZ1 is a reliable 1/5 HP compressor designed for R134a LBP systems, commonly found in domestic refrigerators and freezers up to 280L capacity. This guide provides the full technical data sheet, including cooling capacity (158-170W at ASHRAE), oil requirements (280-320ml), and a comprehensive list of compatible replacements for both R134a and modern alternative refrigerants to ensure your repair is successful.

Panasonic SFK51C94RPX Compressor Specs and Replacements

Category: Refrigeration
written by www.mbsm.pro | 20 February 2026



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The Panasonic SFK51C94RPX is a reliable 1/6 HP compressor designed for R134a LBP systems, commonly found in domestic refrigerators and freezers up to 250L capacity. This guide provides the full technical data sheet, including cooling capacity (157W at ASHRAE), oil requirements (280-320ml), and a comprehensive list of compatible replacements for both R134a and modern alternative refrigerants to ensure your repair is successful.

Panasonic QB66C13GAX5 Compressor

Specs and Replacements

Category: Refrigeration
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The Panasonic QB66C13GAX5 is a reliable 1/5 HP compressor designed for R134a LBP systems, commonly found in domestic refrigerators and freezers up to 250L capacity. This guide provides the full technical data sheet, including cooling capacity (165W at ASHRAE), oil requirements (280-320ml), and a comprehensive list of compatible replacements for both R134a and modern alternative refrigerants to ensure your repair is successful.

Tecumseh THG1374YFS Compressor Specs and Replacements

Category: Refrigeration
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The Tecumseh THG1374YFS (TH271-FS-316) is a reliable 1/4 HP compressor designed for R134a LBP systems, commonly found in domestic refrigerators and small freezers. This guide provides the full technical data sheet, including cooling capacity in Watts and BTU, oil requirements (243ml POE), and a comprehensive list of compatible replacements for both R134a and modern alternative

refrigerants to ensure your repair is successful.

Compressor Mk183g-l2u

Category: compressor
written by www.mbsm.pro | 20 February 2026



Mbsm.pro, Compressor, Samsung, mk183g-l2u, series MK, 1/3 hp, 236 w, Lbp, 203 KCL, 806 BTU, r134a, 3.8 cc, 220-240V ~ 50Hz, Low Back Pressure, compressor static without fan, PTC-RSCR (Optional RSIR)

DG77C16GAX5 compressor 0.25 hp

Category: compressor
written by www.mbsm.pro | 20 February 2026



Mbsm.pro, Compressor, DG77C16GAX5, 1/5 hp++, 1/4 hp–, 225 w, Low Back Pressure, Refrigerant: R134a

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Mbsm.pro, Compressor, Tecumseh, TPG1390YMR, 805 btu/h, 236w, 1/3hp, LBP, Low Back Pressure, R134a, 208-230V ~ 60Hz, 220-240V ~ 50Hz,

Reciprocating Compressor, TP143-MR-232-B8

Category: Archivation,compressor
written by www.mbsm.pro | 20 February 2026



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Mbsm.pro, Compressor, Tecumseh, TPG1390YMR, 805 btu/h, 236w, 1/3hp, LBP, Low Back Pressure, R134a, 208-230V ~ 60Hz, 220-240V ~ 50Hz, Reciprocating Compressor, TP143-MR-232-B8

Compressor, Zanussi, HLY80AA, 1/7Hp, 220-240V 50Hz ~1, R600a, ZEM, Low Back Pressure, RSIR

Category: compressor
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Technical Data Sheet
Compressor model HLY80AAa
Voltage 220-240V 50Hz ~1
Refrigerant R600a
APPLICATION COMPRESSOR MOTOR
Application Low Back Pressure Displacement 8,10 cm³ Nominal Power 1/7 hp

Refrigerant R600a Diameter 24,29 mm Voltage/Frequency 220-240V 50Hz
Evaporating Temp. -35,0 ºC to -10,0 ºC Stroke 17,47 mm Voltage range 187-264 V
Expansion Capillar Net Weight 9,45 Kg Type RSIR
Comp. Cooling Static Oil type ISO VG 10 MINER Phase number 1 PH
Max. ambient temp. 43,0 ºC Oil charge 205 cm³ Locked Rotor Amps (LRA) 8,60 A
Max. Cont. Current (MCC) 1,00 A
Main W. resist. at 25ºC 22,02 Ω
Start W. resist. at 25ºC 22,53 Ω
NOMINAL PERFORMANCE
ASHRAE CECOMAF
Cooling Capacity 113 kCal/h 99 W
COP 1,41 W/W 1,11 W/W
EER 1,22 kCal/Wh 0,96 kCal/Wh
Input Power 93 W 89 W
Current 0,62 A 0,60 A
TEST CYCLE CONDITIONS
ASHRAE CECOMAF
LBP (B) LBP (A)
Evaporating temp. -23,3 ºC -25,0 ºC
Condensing temp. 55,0 ºC 55,0 ºC
Liquid temp. 32,0 ºC 55,0 ºC
Ambient temp. 32,0 ºC 32,0 ºC
Suction temp. 32,0 ºC 32,0 ºC
Voltage/Frequency 220 V 50 Hz 220 V 50 Hz
ELECTRICAL COMPONENTS
Relay Option 1
Reference PTC K100
Voltage 200-240 V
Resistance 14.00 Ω
Protector Option 1 Option 2 Option 3 Option 4
Reference MSP318LZ 4TM189NFBYY T0462 AE37FJ
Current 5,90 A 5,50 A 6,20 A 5,90 A
Time check 7,5-14 seg 5-15 seg 7,5-14 seg 7,5-14 seg
Disc temp. (Open/Close) 120,00 / 61,00 ºC 120,00 / 61,00 ºC 110,00 / 62,00 ºC 115,00 / 62,00 ºC
Mbsm_dot_pro_private_PDF_HLY80aa_danfoss_HLY80AAa_R600a_220_50Télécharger



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

Category: compressor
written by www.mbsm.pro | 20 February 2026



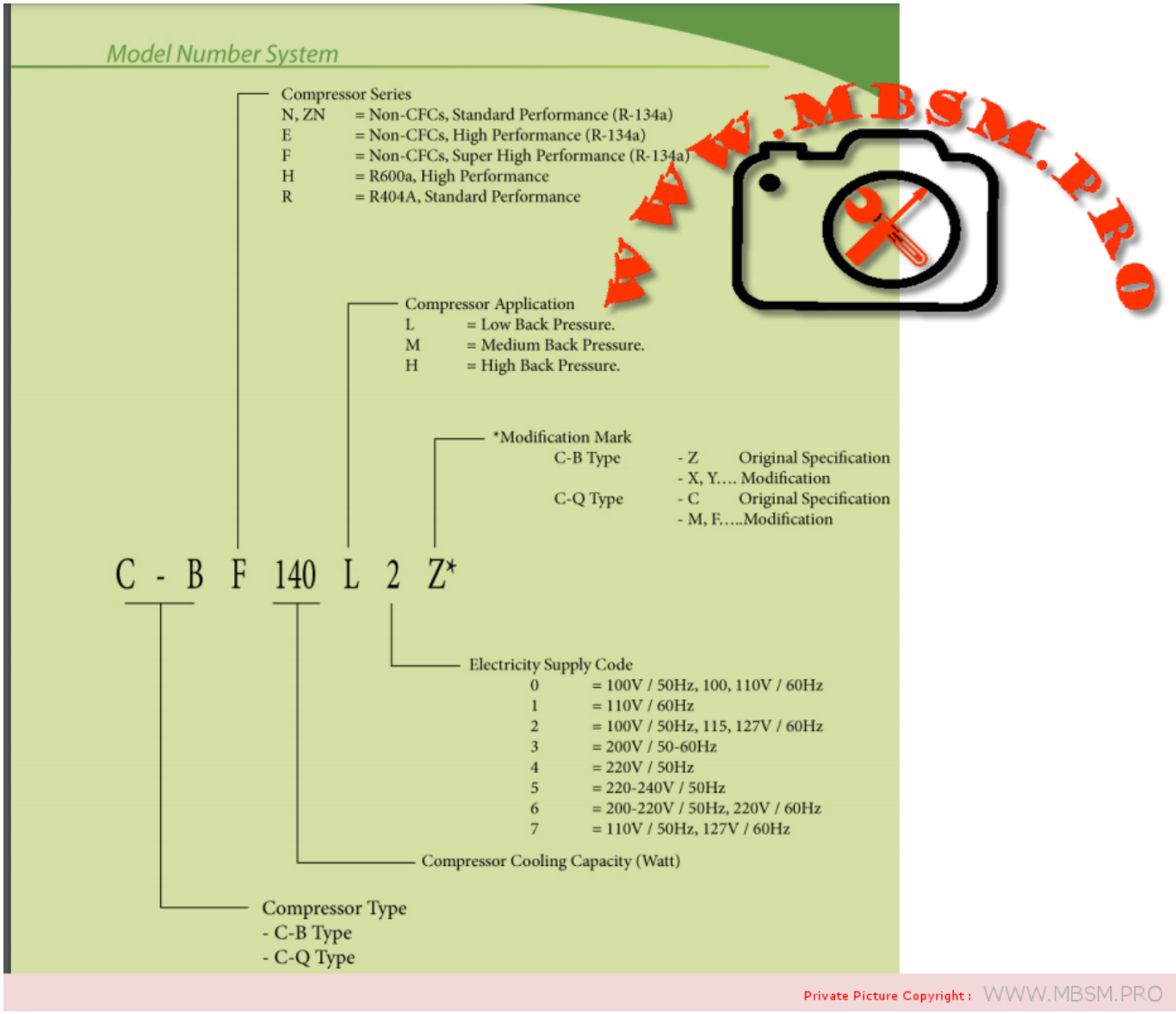
Kulthorn, compressor, Kulthorn compressor, c-qn76l6f, 1/10 Hp, 1Ph, Serie C-q, R134a, 76 watt, Low back pressure, 200-220V/50hz, 220v/60hz, Compressor modefier
Compressor Motor Protectors
Each compressor incorporates a motor protection device or system. Generally, the larger the compressor, the more 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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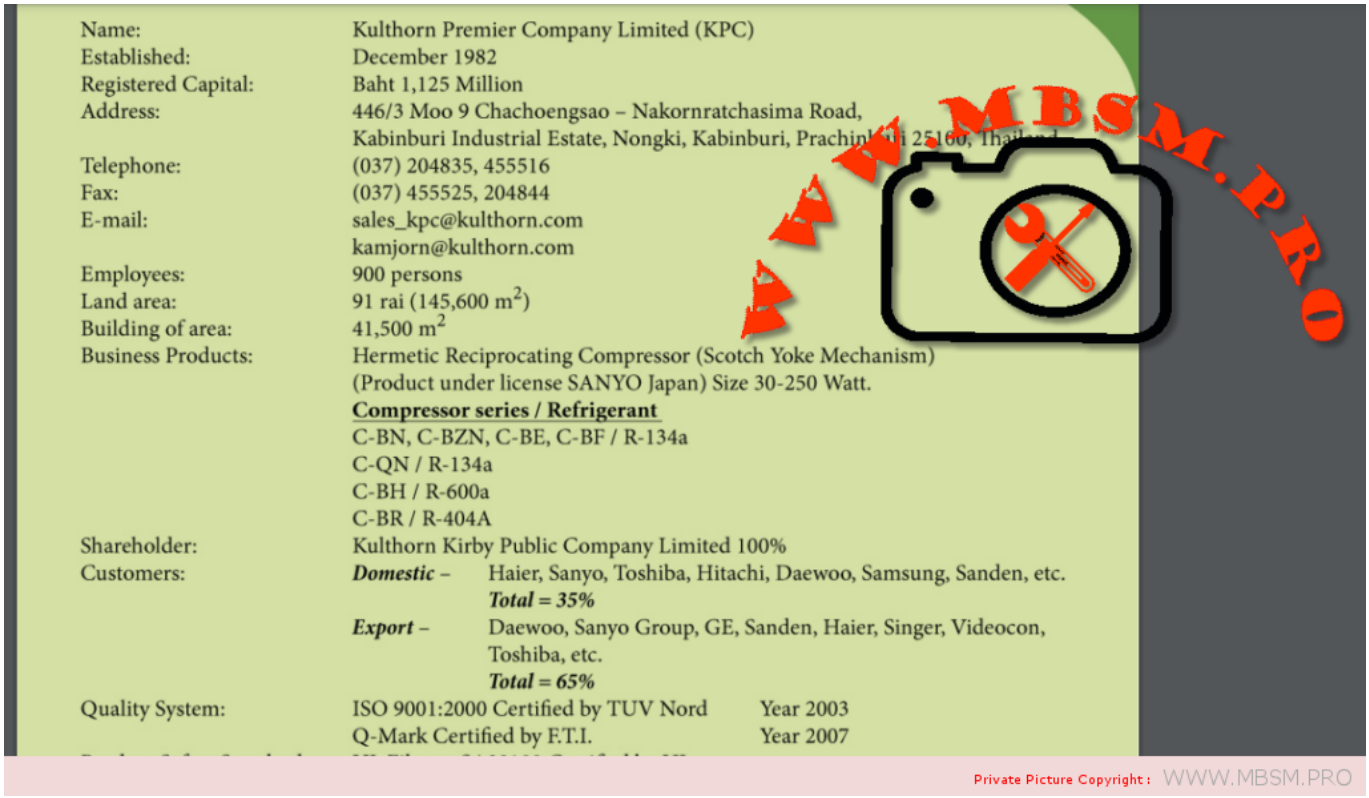


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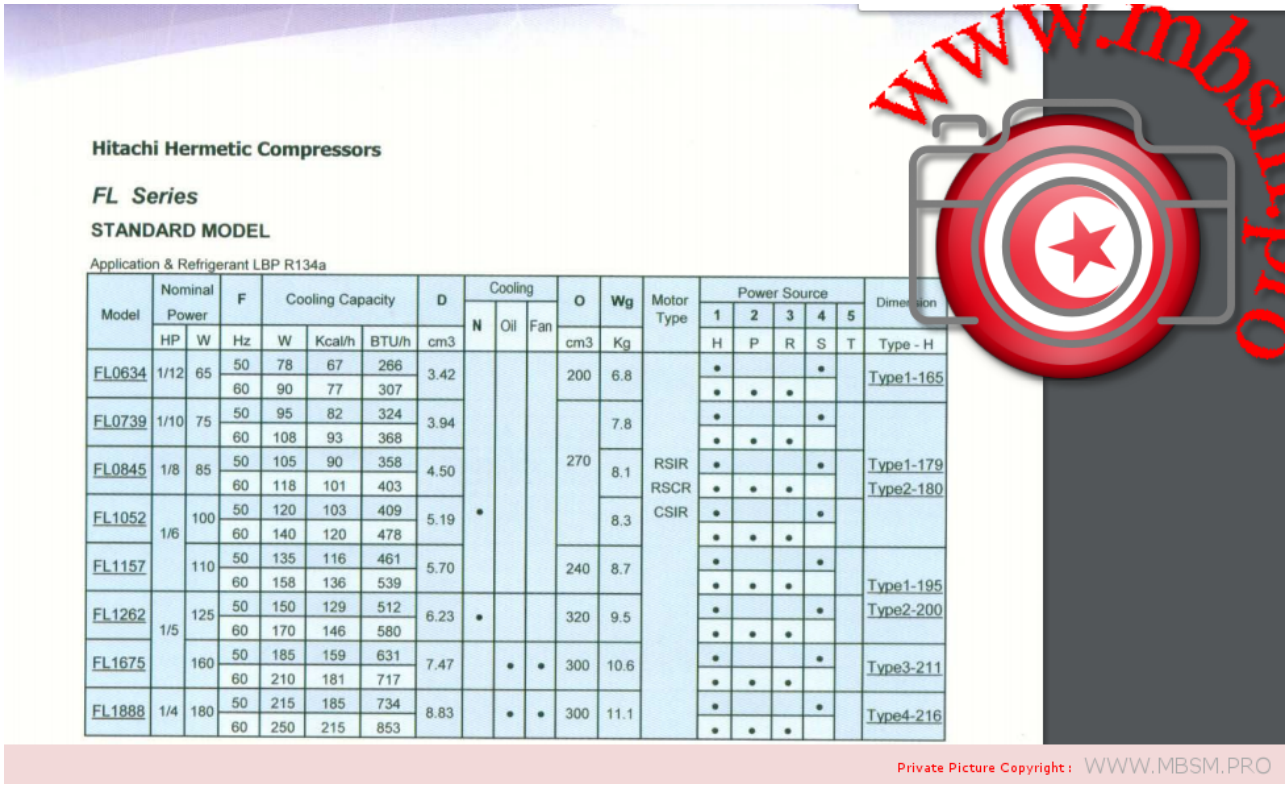
KULTHORN
COMPRESSOR

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Sangchai refrigeration, Fl series, Rl series, Cl series, Hitachi Compressor, FL1675-sc, 1/5 Hp, R-134A, Low back pressure, 160 w, Deplacement 7.5 cm cube, 220-240 v 50 hz

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Hitachi Hermetic Compressors

FL Series

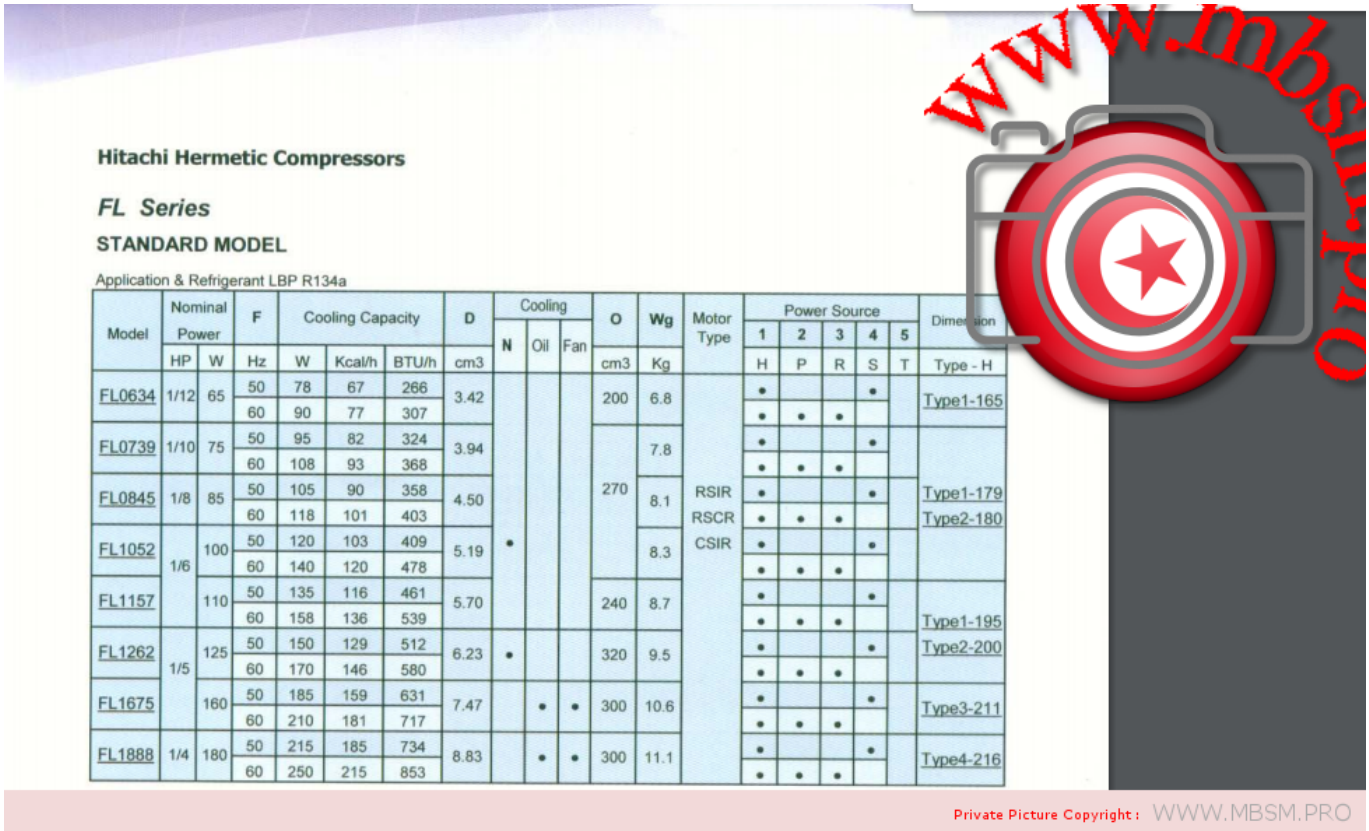
STANDARD MODEL

Application & Refrigerant LBP R134a

Model	Nominal Power		F	Cooling Capacity			D	Cooling			O	Wg	Motor Type	Power Source					Dimension
								N	Oil	Fan				1	2	3	4	5	
	HP	W	Hz	W	Kcal/h	BTU/h	cm3				cm3	Kg		H	P	R	S	T	Type - H
FL0634	1/12	65	50	78	67	266	3.42				200	6.8		•			•		Type1-165
			60	90	77	307								•	•	•			
FL0739	1/10	75	50	95	82	324	3.94				270	7.8		•			•		
			60	108	93	368								•	•	•			
FL0845	1/8	85	50	105	90	358	4.50					8.1	RSIR	•			•		Type1-179
			60	118	101	403							RSCR	•	•	•			Type2-180
FL1052	1/6	100	50	120	103	409	5.19	•				8.3	CSIR	•			•		
			60	140	120	478								•	•	•			
FL1157		110	50	135	116	461	5.70				240	8.7		•			•		
			60	158	136	539								•	•	•			Type1-195
FL1262	1/5	125	50	150	129	512	6.23	•			320	9.5		•			•		Type2-200
			60	170	146	580								•	•	•			
FL1675		160	50	185	159	631	7.47		•	•	300	10.6		•			•		Type3-211
			60	210	181	717								•	•	•			
FL1888	1/4	180	50	215	185	734	8.83		•	•	300	11.1		•			•		Type4-216
			60	250	215	853								•	•	•			

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Sangchai refrigeration, Fl series, Rl series, Cl series, Hitachi Compressor, FL1675-sc, 1/5 Hp, R-134A, Low back pressure, 160 w, Deplacement 7.5, 220-240 v 50 hz



Hitachi Hermetic Compressors

FL Series

STANDARD MODEL

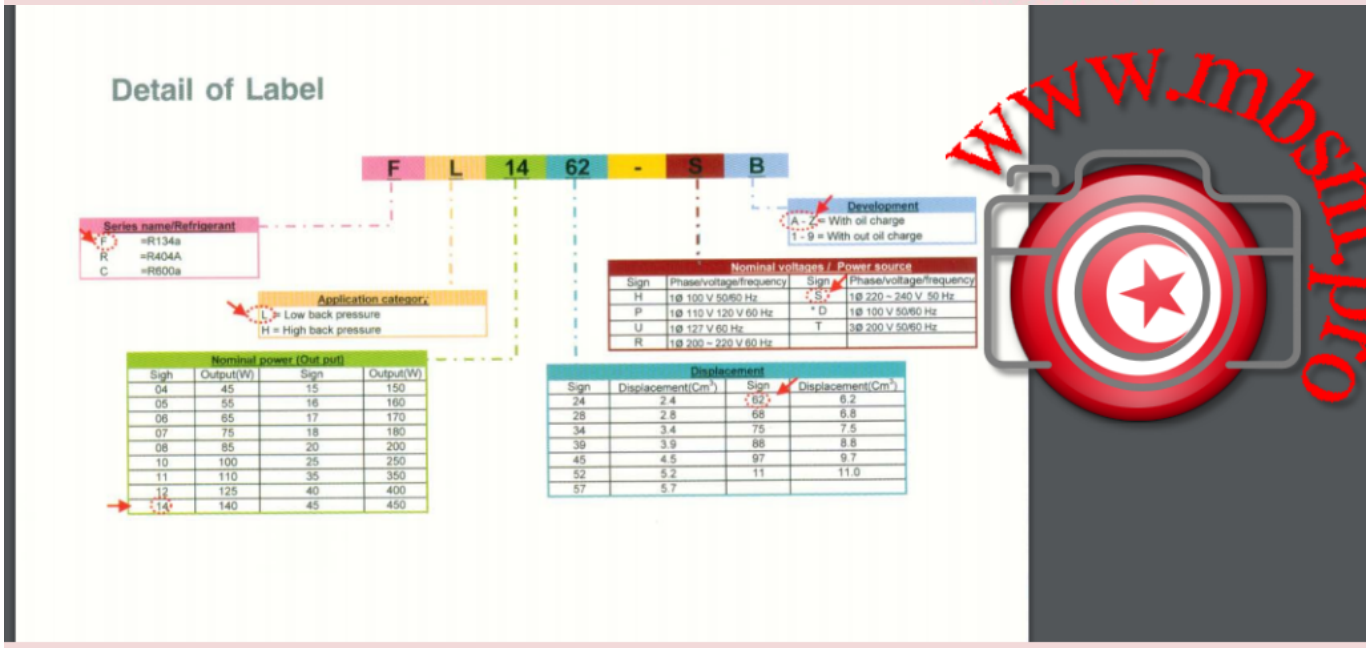
Application & Refrigerant LBP R134a

Model	Nominal Power		F	Cooling Capacity			D	Cooling			O	Wg	Motor Type	Power Source					Dimension
								N	Oil	Fan				1	2	3	4	5	
	HP	W	Hz	W	Kcal/h	BTU/h	cm3				cm3	Kg		H	P	R	S	T	Type - H
FL0634	1/12	65	50	78	67	266	3.42				200	6.8		•			•		Type1-165
			60	90	77	307								•	•	•			
FL0739	1/10	75	50	95	82	324	3.94				270	7.8		•			•		
			60	108	93	368								•	•	•			
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FL1675		160	50	185	159	631	7.47		•	•	300	10.6		•			•		Type3-211
			60	210	181	717								•	•	•			
FL1888	1/4	180	50	215	185	734	8.83		•	•	300	11.1		•			•		Type4-216
			60	250	215	853								•	•	•			

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