

HGX12P/75-4, R410A, compressor, semi-hermétique, BOCK, 25,0 hp

written by Lilianne | 20 December 2021

HGX12P/75-4 R410A

Data Sheet

Power supply	220/240 V-380/420 V-50 Hz-3 ph (265/290 V-440/480 V-60 Hz-3 ph) Δ Y
Horsepower	25,0 hp
Displacement	6,70 m ³
Cooling capacity at Refrigeration conditions, R407C	3,39 kW
Cooling capacity at Refrigeration conditions, R404A	3,97 kW
Refrigerant	R134a, R404A, R407C, R407F, R448A, R449A, R507, R513A
Suction pipe	5/8"
Discharge pipe	1/2"
Weight	49 kg
LRA (Δ/y)	43/25 A
MCC (Δ/y)	8,0/4,6 A
Type of oil	FUCHS Reniso Triton SE 55

Other remarks	Available in ATEX version, Electronic frequency control (30-70 Hz), Equipped with oil pump without connections to the differential oil pressure switch
Accessories	Control Capacity 50/100%, Crankcase heater 50-120 W, Thermal protection thermostat (PTC sensor)
Application	MHBP
Technology	Fixed speed
Lubrication mode	Oil pump
Low pressure design	19 bar
High pressure design	28 bar
Type of motor cooling	Suction gas
Protection type	IP 66
Motor protection type	INT69 G
Speed	1450 rpm

1)



Mbsm_dot_pro_private_PDF_HGX12PTélécharger

BOCK BOCK GmbH, Benzstr.7
72636 Frickenhausen, Germany **CE**

Typ: HGX12P/75-4 S

Nr.: BD44874A046

I_{max} : 8,0/4,6A

I_{block} Δ : 43A Y: 25A

P_{max} : ND(LP) / HD(HP) = 19/28 bar

220-240V Δ /380-420VY - 3 - 50HZ

n: 1450 min⁻¹ \dot{V}_{th} : 6,70 m³/h

265-290V Δ /440-480VY - 3 - 60HZ

n: 1740 min⁻¹ \dot{V}_{th} : 8,1 m³/h

IP66

Öl: BOCKlubE55

Import

Ab 02. August 2021 sind
Diese Änderungen sind auch an
Die im Werk serienmäßig eingetragenen
Wartungseinheiten sind minderwertiger
aufgrund der Verwendung im gesamten
erheblich abgewaschen und zudem
Insbesondere eine Validierung im
Ölen nicht gewährleistet. Aus diesem Grund
Für durch alternative Öle entstandene Schäden

Kältemittel
HFKW / HFO
CO₂ / HFO
HFKW
Kohlenwasserstoffe

Typschild Beispiel:
Name plate example:

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 modifier

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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 modifier

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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**EMT36HLP , EMBRACO , ASPERA
, COMPRESSEUR FRIGORIFIQUE
, 220/240V 50Hz , 1/10 HP,
déplacement 3,97 , R134 , LBP**

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EMT36HLP , EMBRACO , ASPERA , COMPRESSEUR FRIGORIFIQUE , 220/240V
50Hz , 1/10 HP, déplacement 3,97 , R134 , LBP

**Toeflex Ltd , Pw4.0vk , L□MBP
serie,1/10 Hp , 1Phase ,
r134a refrigerant ,
refrigeration compressor
,220~240v Ac 50hz , 112W
,RSIR**

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Toeflex Ltd , Pw4.0vk , L□MBP serie,1/10 Hp , 1Phase , r134a
refrigerant , refrigeration compressor ,220~240v Ac 50hz ,
112W ,RSIR