

Data sheets

For HFC/HFO/HCFC refrigerants > Standard and ECOinside series

| Technical data: | | |
|---|--------------------------|---------------------|
| Cylinders | # | 4 |
| Displacement @ 50 Hz | m ³ /h [50Hz] | 41.3 |
| Displacement @ 60 Hz | m ³ /h [60Hz] | 49.6 |
| Motor version[1] | | 2 |
| Nominal Motor power (HP) | | 7.5 |
| Nominal Motor power (kW) | | 5.5 |
| Motor voltage at 50 Hz[2] | V/ph/Hz | 380-420V/3/50Hz PWS |
| Motor voltage at 60 Hz[2] | V/ph/Hz | 440-480V/3/60Hz PWS |
| PWS partition | | 50-50 |
| CC Head capacity control steps | % | 100-50 |
| RSH Head capacity control steps | % | 100-75-50 |
| MRA, maximum operating current at 400V/50Hz and | A | 20.3 |
| LRA, maximum starting current at 400V/50Hz and | A | 52.7 |
| LRA, max starting current at 400V/50Hz and 460V/60Hz, | A | 90.3 |
| Frequency min | Hz | 25 |
| Frequency max[3] | Hz | 87 |
| Electric terminal box class protection | | IP56 |
| Maximum pressure HP | bar | 30 |
| Maximum pressure LP | bar | 20.5 |
| Oil type[4] | | POE32 |
| Oil charge (3/4 of sight glass) | l | 2.9 |
| Lubrication type | | Centrifugal |
| Suction valve (SV) | inch | 1 3/8 |
| Discharge valve (DV) | inch | 1 1/8 |
| Net weight | kg | 117 |
| Max Length | mm | 550 |
| Max Width | mm | 405 |
| Max Height | mm | 405 |
| Rubber mounts diameter[2] | mm | 50 |
| Rubber mounts height | mm | 50 |
| Rubber mounts shore | sh | 55 |
| Sound power level (-10/45, R404A)[5] | dB(A) | 75 |
| Sound pressure level @ 1m (-10/45, R404A)[5] | dB(A) | 67 |
| Compressor body material | | Cast Iron |
| Motor protection | | AMS |
| Control, diagnostics and protection device | | INT69@ Diagnose |
| Oil level sight glass | # | 2 |

- [1] Motor version: 1 = high and mid temperature, all refrigerants; 2 = low and mid temperature, all refrigerants; 3 = ECOinside, low temperature, R134a and R1234ze only
- [2] Others available on request
- [3] Maximum frequency depends on the working condition: see FSS3 (Frascold selection software)
- [4] Different kind of oil available on request

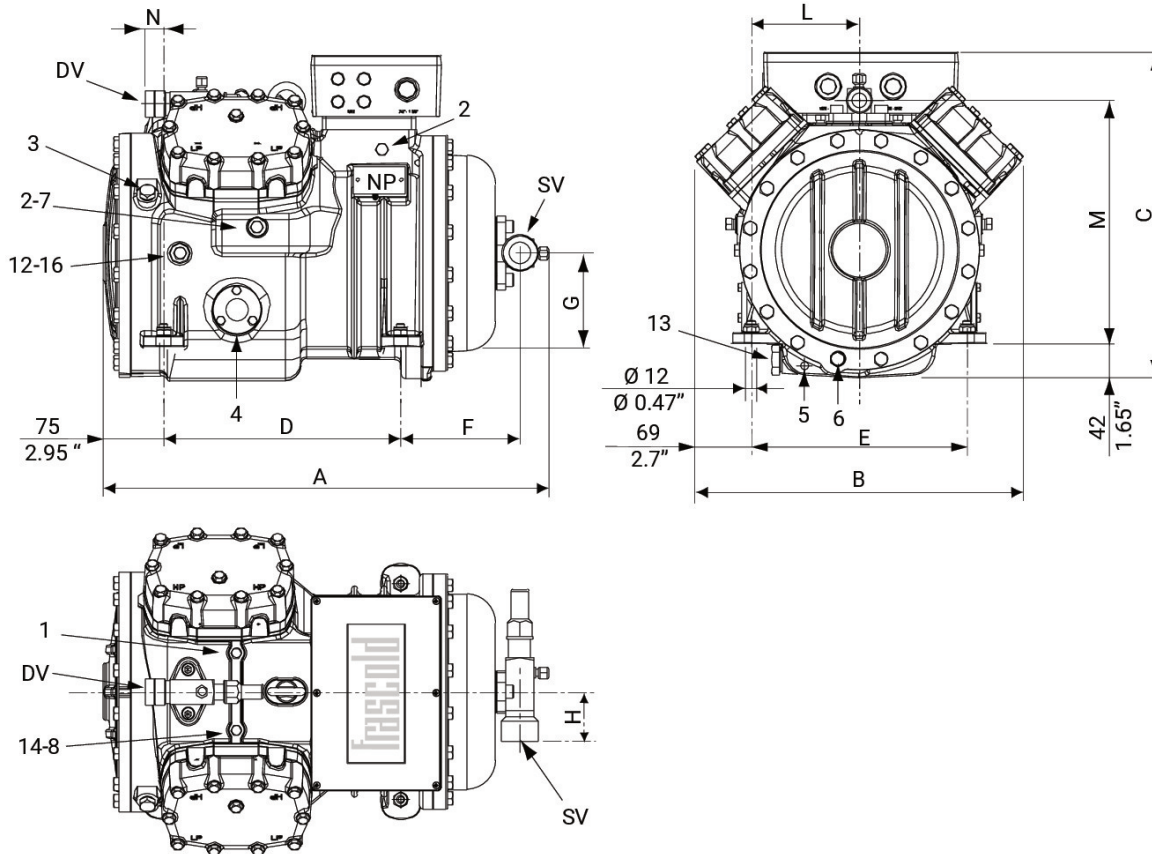
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| Accessories: | |
|--|-------------|
| Water cooled head | T00SK50010 |
| Oil heater (230V-70W) | T00CH1-RIC |
| Discharge temperature sensor | T00EC50D |
| RSH capacity control head 230V AC | T00SK220360 |
| CC capacity control head 230V AC | T00SK220100 |
| US unloader start head 230V AC | T00SK250100 |
| Head cooling fan - 230-400V/3/50-60Hz | SZ-FM2S |
| Electronic oil level regulator | T00EC1900 |
| Kit adapters for oil equalization line - 1" ROT 5/8" ODS | T00SK170200 |
| Kit adapters for oil equalization line - 1"1/4 ROT 1"1/8 ODS | T00SK170300 |
| DP Modbus Gateway | T00EC59 |
| Connection cable Modbus Gateway - INT69 | T00EC65 |
| USB adapter cable | T00EC57 |
| FLI electronic liquid injection | SZ-FLI |

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Dimensional drawing:

| | | |
|----------------------|------|----------|
| SV Suction valve | mm | 35 |
| DV Discharge valve | mm | 28.6 |
| SV Suction valve | inch | 1 3/8 |
| DV Discharge valve | inch | 1 1/8 |
| A Length | mm | 550 |
| B Width | mm | 405 |
| C Height | mm | 405 |
| D Base mounting | mm | 292 |
| E Base mounting | mm | 266 |
| F Suction valve | mm | 147 |
| G Suction valve | mm | 115 |
| H Suction valve | mm | 58 |
| L Discharge valve | mm | 133 |
| M Discharge valve | mm | 298 |
| N Discharge valve | mm | 23 |
| 1 High pressure plug | | 1/8" NPT |

| | | |
|--------------------------------------|--|----------|
| 2 Low pressure plug | | 1/8" NPT |
| 3 Oil charge plug | | 1/4" GAS |
| 4 Oil level sight glass | | - |
| 5 Crankcase heater | | - |
| 6 Oil drain plug | | M10 x 30 |
| 7 Liquid injection valve plug | | 1/4" NPT |
| 8 Liquid injection sensor plug | | 1/8" NPT |
| 12 Oil return plug | | 1/4" NPT |
| 13 Magnetic plug | | 1/2" GAS |
| 14 Max. discharge temperature sensor | | 1/8" NPT |
| 16 Crankcase pressure plug | | 1/4" NPT |
| NP Name Plate | | - |
| DV Discharge valve | | - |
| SV Suction valve | | - |