

PERFORMANCE DATA (PRELIMINARY DATA)



| | |
|--------------------------|---------------------------------|
| Compressor Model(Code) | C-SBN753H8H (809 101 88) |
| Power Source | 3PH 50Hz 380-415V |
| Suction Gas Superheat(K) | 11.1 |
| Sub Cooling(K) | 8.3 |
| Compressor Cooling | Natural Cooling |
| Refrigerant | R404A |

CAPACITY(W)

| Condensing Temperature(°C) | Evaporating Temperature(°C) | | | | | | | |
|----------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|
| | -15 | -10 | -6.7 | 0 | 4.4 | 7.2 | 10 | 12 |
| 35.0 | 18,750 | 22,580 | 25,530 | 32,750 | 38,570 | 42,800 | 47,500 | 51,170 |
| 40.5 | 16,970 | 20,450 | 23,130 | 29,710 | 35,010 | 38,870 | 43,160 | 46,500 |
| 45.0 | 15,610 | 18,830 | 21,310 | 27,390 | 32,310 | 35,880 | 39,850 | 42,950 |
| 50.0 | 14,230 | 17,170 | 19,440 | 25,020 | 29,520 | 32,800 | 36,440 | 39,290 |
| 54.4 | | 15,830 | 17,930 | 23,090 | 27,260 | 30,300 | 33,670 | 36,310 |
| 60.0 | | | 16,180 | 20,860 | 24,640 | 27,400 | 30,470 | 32,860 |
| 65.0 | | | | 19,080 | 22,550 | 25,080 | 27,900 | 30,110 |

POWER(W)

| Condensing Temperature(°C) | Evaporating Temperature(°C) | | | | | | | |
|----------------------------|-----------------------------|-------|--------|--------|--------|--------|--------|--------|
| | -15 | -10 | -6.7 | 0 | 4.4 | 7.2 | 10 | 12 |
| 35.0 | 6,930 | 6,940 | 6,950 | 6,960 | 6,960 | 6,970 | 6,970 | 6,980 |
| 40.5 | 7,650 | 7,680 | 7,690 | 7,720 | 7,740 | 7,750 | 7,760 | 7,770 |
| 45.0 | 8,320 | 8,350 | 8,370 | 8,420 | 8,450 | 8,470 | 8,490 | 8,500 |
| 50.0 | 9,130 | 9,190 | 9,220 | 9,290 | 9,330 | 9,360 | 9,390 | 9,410 |
| 54.4 | | 9,990 | 10,030 | 10,130 | 10,190 | 10,230 | 10,270 | 10,290 |
| 60.0 | | | 11,170 | 11,290 | 11,380 | 11,430 | 11,490 | 11,530 |
| 65.0 | | | | 12,430 | 12,550 | 12,620 | 12,690 | 12,740 |

CURRENT(A)

@380V

| Condensing Temperature(°C) | Evaporating Temperature(°C) | | | | | | | |
|----------------------------|-----------------------------|------|------|------|------|------|------|------|
| | -15 | -10 | -6.7 | 0 | 4.4 | 7.2 | 10 | 12 |
| 35.0 | 13.3 | 12.9 | 12.7 | 12.5 | 12.4 | 12.4 | 12.4 | 12.5 |
| 40.5 | 14.2 | 14.0 | 13.8 | 13.7 | 13.6 | 13.7 | 13.7 | 13.7 |
| 45.0 | 15.0 | 14.9 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.9 |
| 50.0 | 15.9 | 16.0 | 16.0 | 16.1 | 16.1 | 16.2 | 16.2 | 16.3 |
| 54.4 | | 17.0 | 17.1 | 17.3 | 17.5 | 17.5 | 17.6 | 17.6 |
| 60.0 | | | 18.7 | 19.1 | 19.3 | 19.4 | 19.4 | 19.5 |
| 65.0 | | | | 20.8 | 21.0 | 21.2 | 21.2 | 21.3 |

NOTE:

* The performance values subject to change without notice.

Dalian SANYO Compressor Co.,Ltd.

COEFFICIENTS OF PERFORMANCE CURVES



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 Power Source **3PH 50Hz 380-415V**
 Suction Gas Superheat(K) **11.1**
 Sub Cooling (K) **8.3**
 Compressor Cooling **Natural Cooling**
 Refrigerant **R404A**

$$X=C1+C2*(S)+C3*D+C4*(S2)+C5*(S*D)+C6*(D2)+C7*(S3)+C8*(D*S2)+C9*(S*D2) +C10*(D3)$$

X—CAPACITY(W) OR POWER(W) OR CURRENT(A) OR FLOW(kg/h)

S—EVAPORATING TEMP, °C

D—CONDENSING TEMP, °C

| 380V-50Hz | CAPACITY (W) | POWER (W) | CURRENT (A) | FLOW (kg/h) |
|------------------|---------------|---------------|---------------|-------------|
| C1 | 5.791669E+04 | 4.709690E+03 | 8.022628E+00 | |
| C2 | 2.151190E+03 | 5.903698E+00 | -3.442542E-02 | |
| C3 | -8.614039E+02 | 6.060682E-01 | 4.739885E-02 | |
| C4 | 3.412910E+01 | -5.402431E-02 | 6.968610E-03 | |
| C5 | -3.180413E+01 | -6.087744E-01 | -1.302258E-03 | |
| C6 | 4.063376E+00 | 1.819241E+00 | 2.281411E-03 | |
| C7 | 2.367140E-01 | 8.479096E-04 | -6.208936E-06 | |
| C8 | -3.202912E-01 | 1.096057E-03 | -1.403898E-04 | |
| C9 | 1.513689E-01 | 1.388588E-02 | 4.525475E-05 | |
| C10 | -2.025824E-08 | 3.573029E-10 | 1.946780E-11 | |

Note:The polynomial coefficients subject to change without notice.