

Specification

Compressor

Compressor Model	E505DH-49D2
Compressor Type	Hermetic Motor Compressor
Compression Type	Scroll Type
Refrigerant	R410A
Displacement	49cm ³ /rev
Oil / Oil Charge	FVC68D / 1300ml
Painting	Black Color Paint
Net Mass(Including Oil)	41kg
Suction Accept I.D	Φ 19.3mm
Discharge Accept I.D	Φ 12.9mm
CCC Certification No.	2008010704284343

Motor

Motor Type / Start Mode	3 Phase Induction Motor / Direct Start
Pole	2 Poles
Rated Voltage / Frequency	3Ph - 380~415V-50Hz / 3Ph - 415~440V-60Hz
Rated Revolution	2880rpm [50Hz] / 3470rpm [60Hz]
Insulation Class	E Class
Winding Resistance (at 20℃)	3.03±7% Ω

Performance

Capacity	12900W [380V, 50Hz] / 15520W [440V, 60Hz]
Motor Input	4270W [380V, 50Hz] / 5130W [440V, 60Hz]
EER	3.02W/W
Running Current	7.3A [380V, 50Hz] / 7.5A [440V, 60Hz]
Locked Rotor Ampere	58A [380V, 50Hz] / 60A [440V, 60Hz]
Sound Level	63dB (A) Max.
Vibration	15m/s ² Max or 100um Max.

※ Test condition of cooling capacity:

Condensing temp. : 54.4 °C

Return gas temp. : 18.3 °C

Liquid temp. : 46.0°C

Evaporating temp. : 7.2 °C

Ambient temp. : 35.0 °C

Characteristics

Leak Tight Pressure	4.2MPa[H. P. Side] / 2.2MPa[L. P. Side]
Hydrostatic Strength Pressure	6.3MPa[H. P. Side] / 3.3MPa[L. P. Side]
Insulation Resistance	10M Ω Min.
Withstand Voltage	1,830V-1min.
Residual Moisture	350mg Max.
Residual Impurities	100mg Max.