

HITACHI

Specification

Compressor

Compressor Model	E705DHD-72D2YG
Compressor Type	DC Compressor
Compression Type	Scroll Type
Refrigerant	R410A
Displacement	72cm ³ /rev
Oil / Oil Charge	FV68H / 500ml
Painting	Black Color Paint
Net Mass(Including Oil)	36kg
Suction Accept I.D	Φ 22.4mm
Discharge Accept I.D	Φ 16.1mm
CQC Certification No.	CQC12008084508

1.2 Motor

Transducer Power	3Ph-380-415V, 50Hz
Motor Type	3 Phase DC Synchronous Motor / DC Inverter Starting
Poles	4 Poles
Running Frequency Range	40~200Hz
Rotate Speed Range	20~100rps
Insulation Class	E Class
Winding Resistance(at 20°C)	0.69±7%Ω

1.3 Performance

Items	Nominals	Reference	Franchise
Rotate Speed	60rps (ARI 工况)	90rps (ARI 工况)	
Capacity	23250 W	34200W	95% Min
Motor Input	7150 W	11250W	105% Max
EER	3.25 W/W	3.04W/W	95% Min
Sound Level	70dB(A) Max	—	—
Vibration	100μm Max	—	—

※ Test condition of cooling capacity:

Condensing temp. : 54.4 °C

Evaporating temp. : 7.2 °C

Return gas temp. : 18.3 °C

Ambient temp. : 35.0 °C

Liquid temp. : 46.1°C

1.4 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	10MΩ Min.
Withstand Voltage	1,880V-1min.
Residual Moisture	350mg Max.
Residual Impurities	100mg Max.