



SPECIFICATIONS for LG HERMETIC COMPRESSOR

R410A

Customer :

Nov . 06 . 2006 Rev. 0

A R A 0 8 1 Y A A

3PH, 380/420V – 50Hz

Application Range

Compressor Cooling	Natural	
Eva. Temp. Range	-10°C ~ 12°C	14°F ~ 54°F
Condensing Temp.	65°C max.	149°F max.
Return Gas Temp.	35°C max.	95°F max.
Discharge gas Temp.	130°C max.	266°F max.
Motor Wire Temp.	135°C max.	275°F max.

Rated Performance

Capacity	68,500/69,000 Btu/h	20,075/20,222 W
Motor Input	6,716/6,700 W	
Current	11.6/11.2 A	
EER	10.2/10.3 Btu/W.h	2.99/3.02 W/W

Compressor Data

Design	SCROLL	
Displacement	81.02 cc/rev	4.92 in ³ / rev
Oil / Oil Charge	FVC68D(PVE) /	1,800 cc
Weight	40.0 Kg	88.2 lb

Motor Data

Motor Type	2 Pole Induction (PSC)
Rated Output	5,300 W
Winding Resistance	U – V 1.96 ±7% Ω
(at 25°C)	V – W 1.91 ±7% Ω
	W – U 1.99 ±7% Ω
Voltage Range	342 V to 462 V
Locked Rotor Amps.	61/74 Amps.

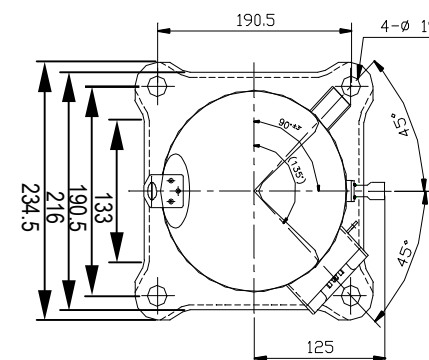
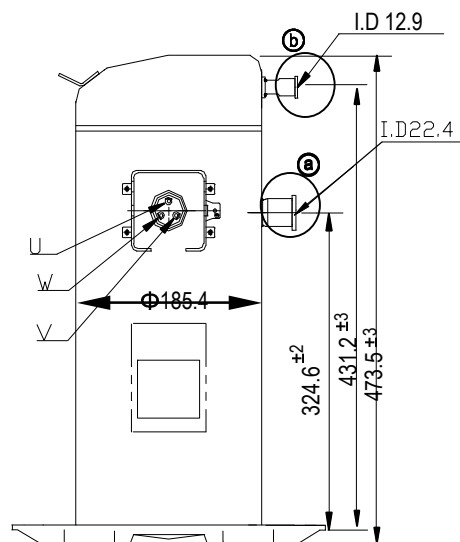
Electrical Components

Running Capacitor	- μF - VAC
Overload Protector	Internal Type

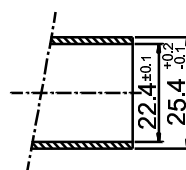
Capacity Test Conditions

Evaporating Temp.	7.2°C	45°F
Condensing Temp.	54.4°C	130°F
Return Gas Temp.	18.3°C	65°F
Liquid Temp.	46.1°C	115°F
Ambient Temp.	35.0°C	95°F

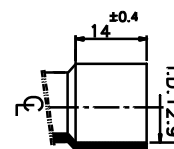
Standard Dimensions



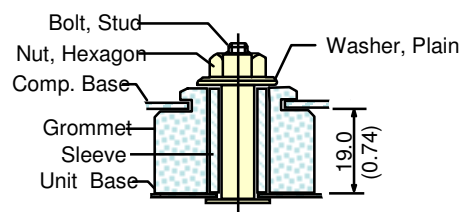
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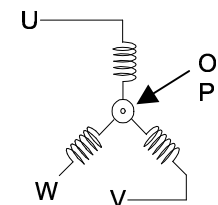
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Compressor Mounting



Wiring Diagram



※ U.V.W mark is embossed on a Cover Terminal

Specifications are subject to change without notice.
Normal Performance value ±5%.

Air Conditioning Compressor Division