

## Motor Specification for C-SDP330H02B

2013-8-19

<b>Compressor Model</b>		C-SDP330H02B
<b>Compressor Type</b>		Hermetic DC Inverter Scroll Compressor
<b>Power source</b>	<b>V</b>	Input Power Source 380-415V
<b>Compressor Displacement</b>	<b>cm<sup>3</sup>/rev</b>	66.7
<b>DC Motor Type</b>		DC Inverter Synchronous Motor
<b>Number of Poles</b>		4
<b>Motor armature resistance</b>	<b>Ω</b>	Line: 0.553 (25°C) Phase: 0.277 (25°C)
<b>Motor d axis inductance (Ld)</b>	<b>mH</b>	8.37 (under 10A) 8.06 (under 12.5A) 7.77 (under 15A) 7.47 (under 17.5A)
<b>Motor q axis inductance (Lq)</b>	<b>mH</b>	10.41 (under 10A) 9.79 (under 12.5A) 9.72 (under 15A) 8.86 (under 17.5A)
<b>Permanent magnet flux Armature flux linkages (line)</b>	<b>Wb</b>	0.598
<b>Back electromotive force constant (line)</b>	<b>V/1000min-1</b>	62.66
<b>Torque coefficient</b>	<b>Nm/A</b>	0.934 (40°C)
<b>Rotor inertia</b>	<b>Kg*mm<sup>2</sup></b>	Motor Rotor: 1932 Rotor + crankshaft: 5585
<b>De-magnetizing Limit Current</b>	<b>A</b>	47A (0-peak) Discharge Temp. ≤115°C