



SATA

DD馬達 DD motor

高精度，高扭矩，高剛性，低噪音，響應快，安裝簡易
High precision, high torque, high stiffness, low noise,
fast response, easy installation





特性(Features)

1: 可承載負荷波動

Load fluctuation

I-PD控制迴路，使得整定時間更短，並且

提供了高剛性，可以承載突變外力

I-PD Control Loop Makes setting time shorter, provides high rigidity and can carry sudden external forces

2: 高效節能提升生產率

High efficiency and energy efficiency increase productivity

混合磁路使用偏的方法，低電流下也能

產生高扭矩，有效減少發熱並且更節能

The hybrid magnetic circuit USES a folk method to generate high torque, effectively reducing heat and saving energy

3: 方便機械做柔性設計

It is convenient for mechanical flexible design

馬達沒有齒輪結構，運動工位可通過程序改

變，相比有齒輪結構的工位調整更輕鬆

The motor has no gear structure, and the motion position can be changed through the program, which is easier to adjust than the position with the gear structure

4: 提供更多便利的大中心孔設計

Provide more convenient large central hole design

馬達具有大中心孔，允許線纜，激光，

軸等穿過，為應用設計提供更多便利

The motor has a large central hole, allowing the cable, laser, shaft, etc. to pass through, providing more convenience for application design

5: 直接驅動工位盤，確保高精度

Drive the work station plate directly to ensure high accuracy

負載可以直接安裝在馬達的安裝面上，直接

驅動工位盤，避免精度損失，能量損失

The load can be installed directly on the mounting surface of the motor, directly driving the work station plate, avoiding precision loss, energy loss

6: 免維護的交叉滾子軸承

Maintenance-free cross roller bearing

完全封閉的交叉滾子軸承，無需潤滑油

脂，不產生灰塵和油漬

Fully enclosed cross roller bearings, no grease, no dust and grease

P-FE80-003RE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）

Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：外轉子型，勵磁方式：3相

Other construction: outer rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值，根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

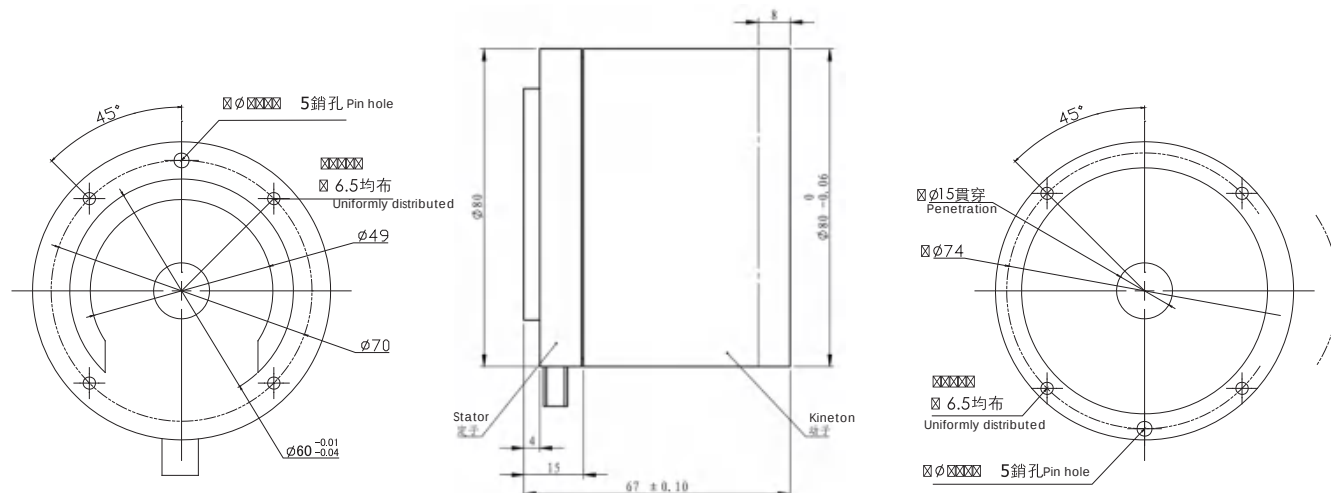
表中，如明確說明則表示為200-230VAC電源。

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	3.5
連續最大扭矩 (Continuous maximum torque)		N.m	1
最大轉速 (Maximum revolution)		rps	4
額定轉速 (Rated speed)		rps	2
線電阻 (Line resistance)		Ohm	3.8
線電感 (Inductance)		mH	4
力矩常數 (Torque constant)		Nm/Arms	0.6
反電勢常數 (EMF constant)		Vp/(krpm)	51
連續電流 (Continuous Current)		Arms	1.5
峰值電流 (Peak current)		Arms	5
極對數 (Pole-pairs)		-	11
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	1048576
	絕對精度 (absolute accuracy)	arc-sec	±32
	重複定位精度 (Repositioning resolution)	arc-sec	±1.5
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	0.2
額定功率 (Rated power)		KVA	0.07
轉子慣量 (Rotor inertia)		kg cm2	6.35
允許負載 carrying capacity	軸向負荷 axial load	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	15.5 or less
重量 (weight)		kg	1.6
環境要求 Environmental Requirement	溫度 (tempreture)		° C
	濕度 (humidity)		%
	大氣環境 (atmospheric environment)		-

無腐蝕性氣體、塵埃。海拔1000m以下
No corrosive gas, dust. Altitude below 1000m

外形圖 (Dimension) (單位: mm)



P-FE112-008FE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）
Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：外轉子型，勵磁方式：3相

Other construction: outer rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值，根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

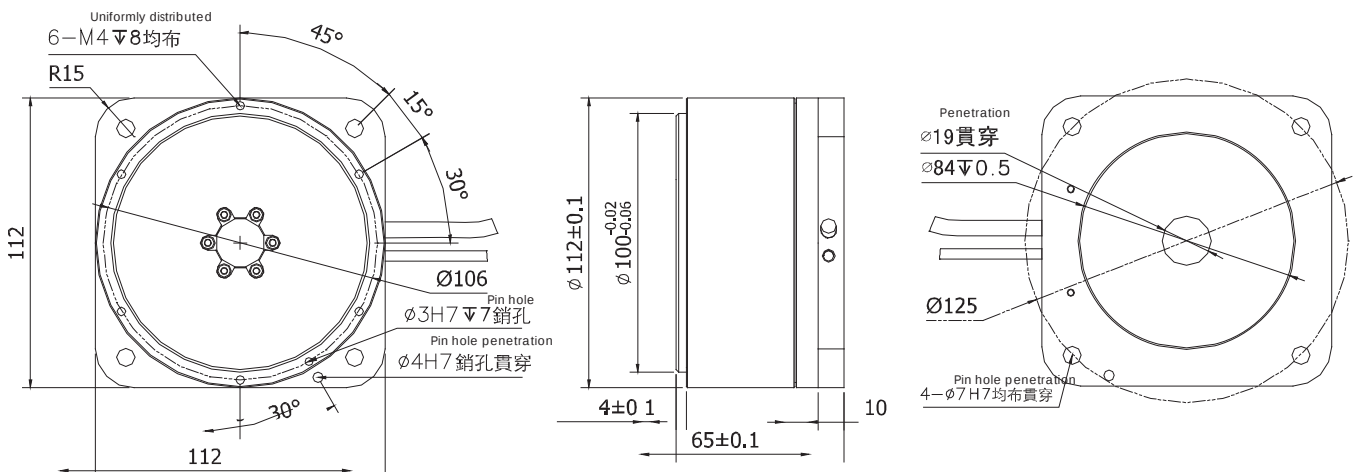
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	8
連續最大扭矩 (Continuous maximum torque)		N.m	3
最大轉速 (Maximum revolution)		rps	4
額定轉速 (Rated speed)		rps	2
線電阻 (Line resistance)		Ohm	4.9
線電感 (Inductance)		mH	5.7
力矩常數 (Torque constant)		Nm/Arms	2
反電勢常數 (EMF constant)		Vp/(krpm)	171
連續電流 (Continuous Current)		Arms	1.5
峰值電流 (Peak current)		Arms	5
極對數 (Pole-pairs)		-	10
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	1048576
	絕對精度 (absolute accuracy)	arc-sec	±10
	重複定位精度 (Repositioning resolution)	arc-sec	±1.2
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	0.3
額定功率 (Rated power)		KVA	0.1
轉子慣量 (Rotor inertia)		kg cm2	26
精度要求 accuracy requirement	軸向負荷 axial load	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	15 or less
重量 (weight)		kg	2.8

外形圖 (Dimension) (單位: mm)



P-FE170-010FE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）
Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他構造：外轉子型，勵磁方式：3相
Other construction: outer rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。
(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

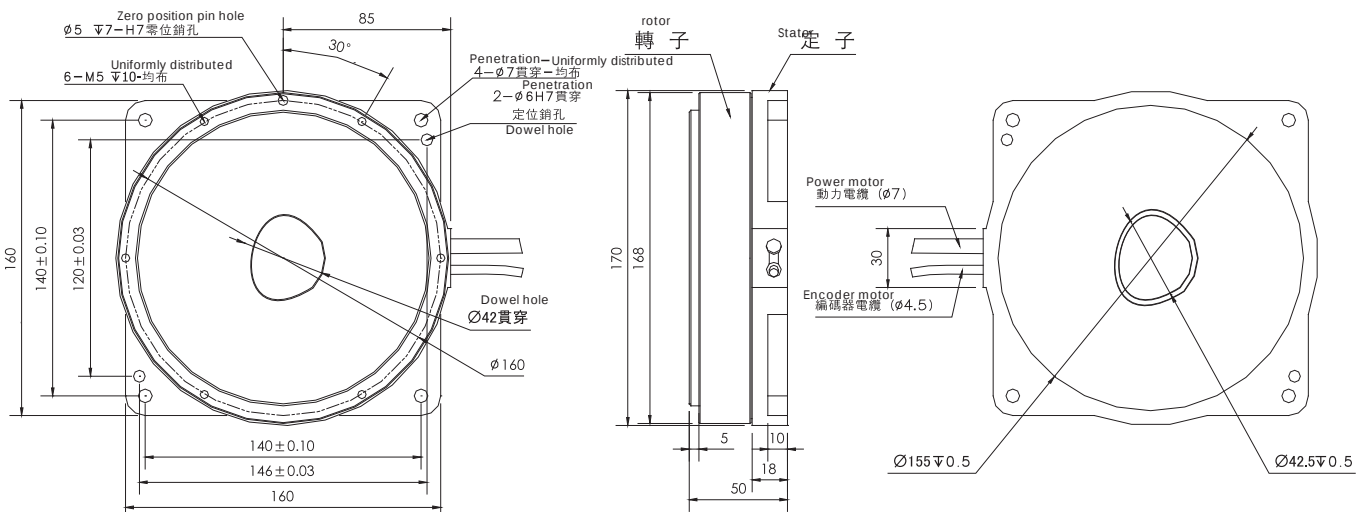
位置分辨率為建議值，根據驅動器設定。
The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。
In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	10
連續最大扭矩 (Continuous maximum torque)		N.m	4
最大轉速 (Maximum revolution)		rps	4
額定轉速 (Rated speed)		rps	2
線電阻 (Line resistance)		Ohm	9.2
線電感 (Inductance)		mH	19.5
力矩常數 (Torque constant)		Nm/Arms	3.4
反電勢常數 (EMF constant)		Vp/(krpm)	290
連續電流 (Continuous Current)		Arms	1.5
峰值電流 (Peak current)		Arms	4
極對數 (Pole-pairs)		-	10
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	1536000
	絕對精度 (absolute accuracy)	arc-sec	±10
	重複定位精度 (Repositioning resolution)	arc-sec	±1.2
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	0.35
額定功率 (Rated power)		KVA	0.1
轉子慣量 (Rotor inertia)		kg cm2	鋼90 (鋁59)
精度要求 accuracy requirement	軸向負荷 axialload	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	10 or less
重量 (weight)		kg	鋼6 (鋁3.6)

外形圖 (Dimension) (單位: mm)



P-FI224-020FEC2



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）

Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：內轉子型，勵磁方式：3相

Other construction: inner rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值，根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

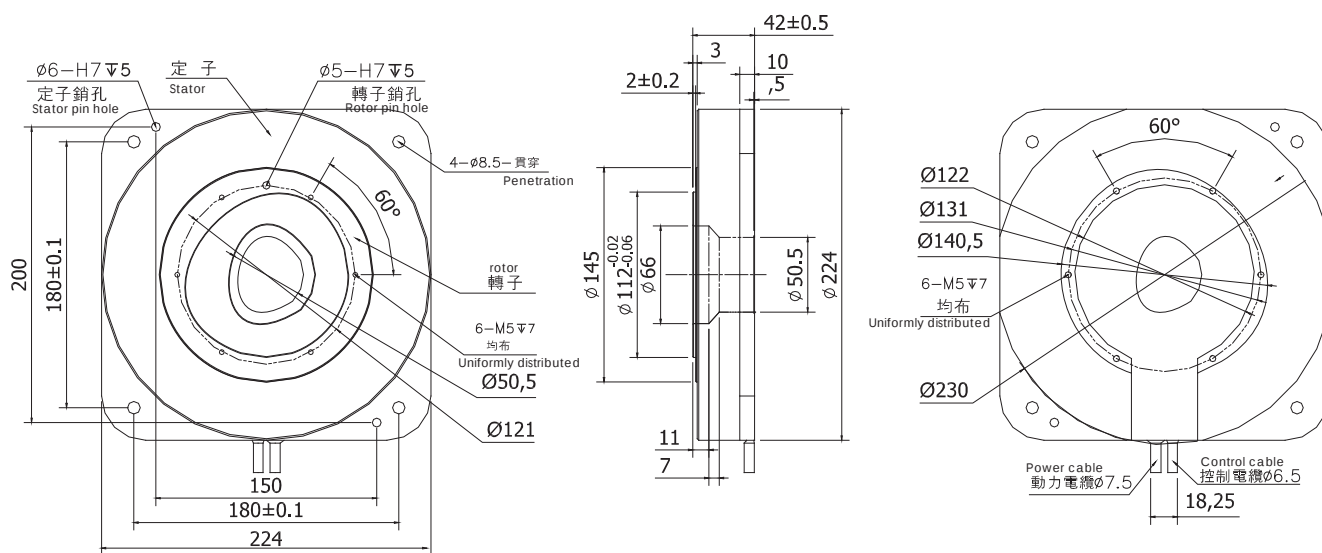
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	30
連續最大扭矩 (Continuous maximum torque)		N.m	20
最大轉速 (Maximum revolution)		rps	4
額定轉速 (Rated speed)		rps	2
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	2592000
	絕對精度 (absolute accuracy)	arc-sec	±10
	重複定位精度 (Repositioning resolution)	arc-sec	±1
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	1.4
額定功率 (Rated power)		KVA	0.9
線電阻 (Line resistance)		Ohm	13.8
線電感 (Inductance)		mH	51.2
力矩常數 (Torque constant)		Nm/A	6.4
連續電流 (Continuous Current)		Arms	3.5
峰值電流 (Peak current)		Arms	6
極對數 (Pole-pairs)		-	15
轉子慣量 (Rotor inertia)		Kg cm2	80
允許負載 carrying capacity	軸向負荷 (axial load)	N	2000
	徑向負荷 (radial load)	Nm	120
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	15.5 or less
重量 (weight)		Kg	12

外形圖 (Dimension) (單位: mm)



P-FI224-040FE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）
Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：內轉子型，勵磁方式：3相
Other construction: inner rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。
(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

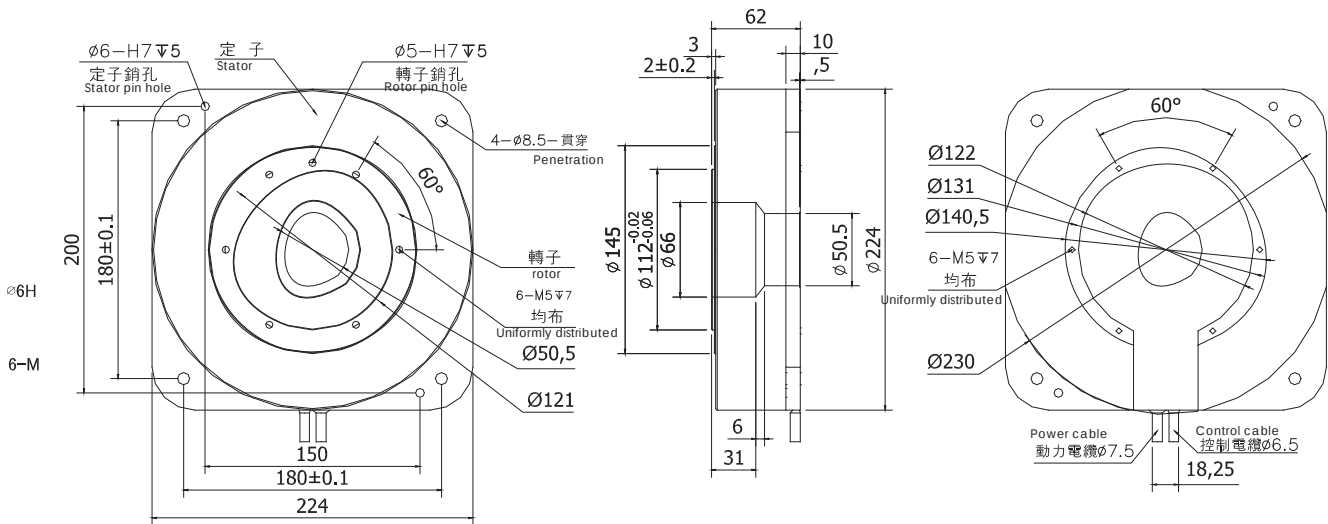
位置分辨率為建議值，根據驅動器設定。
The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。
In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	50
連續最大扭矩 (Continuous maximum torque)		N.m	35
最大轉速 (Maximum revolution)		rps	3
額定轉速 (Rated speed)		rps	1.5
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	1536000
	絕對精度 (absolute accuracy)	arc-sec	±10
	重複定位精度 (Repositioning resolution)	arc-sec	±1
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	2
額定功率 (Rated power)		KVA	1.2
線電阻 (Line resistance)		Ohm	20
線電感 (Inductance)		mH	85
力矩常數 (Torque constant)		Nm/A	12
連續電流 (Continuous Current)		Arms	3
峰值電流 (Peak current)		Arms	6
極對數 (Pole-pairs)		-	15
轉子慣量 (Rotor inertia)		Kg cm2	120
允許負載 carrying capacity	軸向負荷 axial load	N	2000
	徑向負荷 (radial load)	Nm	120
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	25,15 or less
重量 (weight)		Kg	13.4

外形圖 (Dimension) (單位: mm)



P-FE170-045FE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）

Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：外轉子型，勵磁方式：3相

Other construction: outer rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值，根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

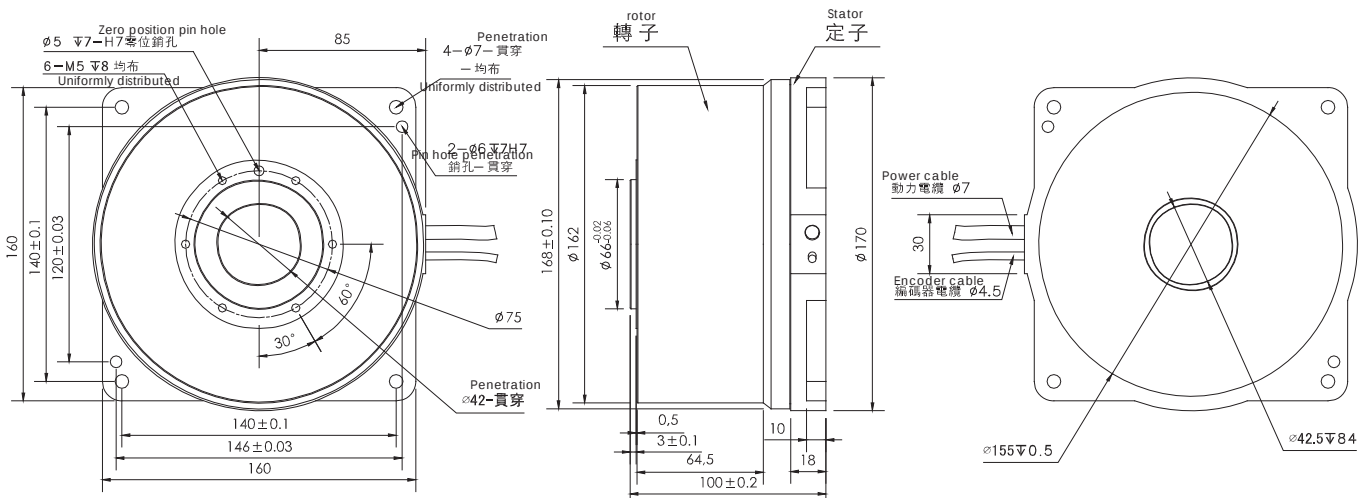
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	45
連續最大扭矩 (Continuous maximum torque)		N.m	17
最大轉速 (Maximum revolution)		rps	4
額定轉速 (Rated speed)		rps	2
線電阻 (Line resistance)		Ohm	6.2
線電感 (Inductance)		mH	18
力矩常數 (Torque constant)		Nm/Arms	6.7
反電勢常數 (EMF constant)		Vp/(krpm)	572
連續電流 (Continuous Current)		Arms	2.8
峰值電流 (Peak current)		Arms	8
極對數 (Pole-pairs)		-	10
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	1536000
	絕對精度 (absolute accuracy)	arc-sec	±10
	重複定位精度 (Repositioning resolution)	arc-sec	±1.2
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	1
額定功率 (Rated power)		KVA	0.3
轉子慣量 (Rotor inertia)		kg cm ²	179
精度要求 accuracy requirement	軸向負荷 axial load	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	15.8 or less
重量 (weight)		kg	11.6

外形圖 (Dimension) (單位: mm)



P-FE170-060RE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）
 Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：外轉子型，勵磁方式：3相
 Other construction: outer rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。
 (Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

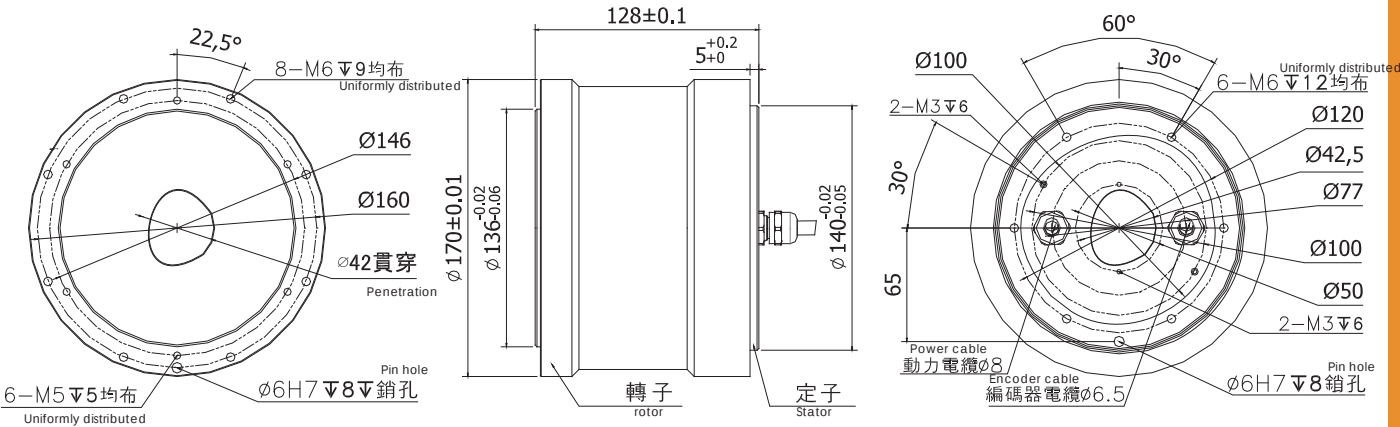
位置分辨率為建議值，根據驅動器設定。
 The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。
 The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。
 In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	60
連續最大扭矩 (Continuous maximum torque)		N.m	25
最大轉速 (Maximum revolution)		rps	4
額定轉速 (Rated speed)		rps	2
線電阻 (Line resistance)		Ohm	6.2
線電感 (Inductance)		mH	18
力矩常數 (Torque constant)		Nm/Arms	6.7
反電勢常數 (EMF constant)		Vp/(krpm)	569
連續電流 (Continuous Current)		Arms	4
峰值電流 (Peak current)		Arms	9
極對數 (Pole-pairs)		-	10
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	1536000
	絕對精度 (absolute accuracy)	arc-sec	±10
	重複定位精度 (Repositioning resolution)	arc-sec	±1.2
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	1
額定功率 (Rated power)		KVA	0.6
轉子慣量 (Rotor inertia)		kg cm2	260
精度要求 accuracy requirement	軸向負荷 axial load	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	15,15 or less
重量 (weight)		kg	13.2

外形圖 (Dimension) (單位: mm)



P-FE264-080RE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）

Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：外轉子型，勵磁方式：3相

Other construction: outer rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值，根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

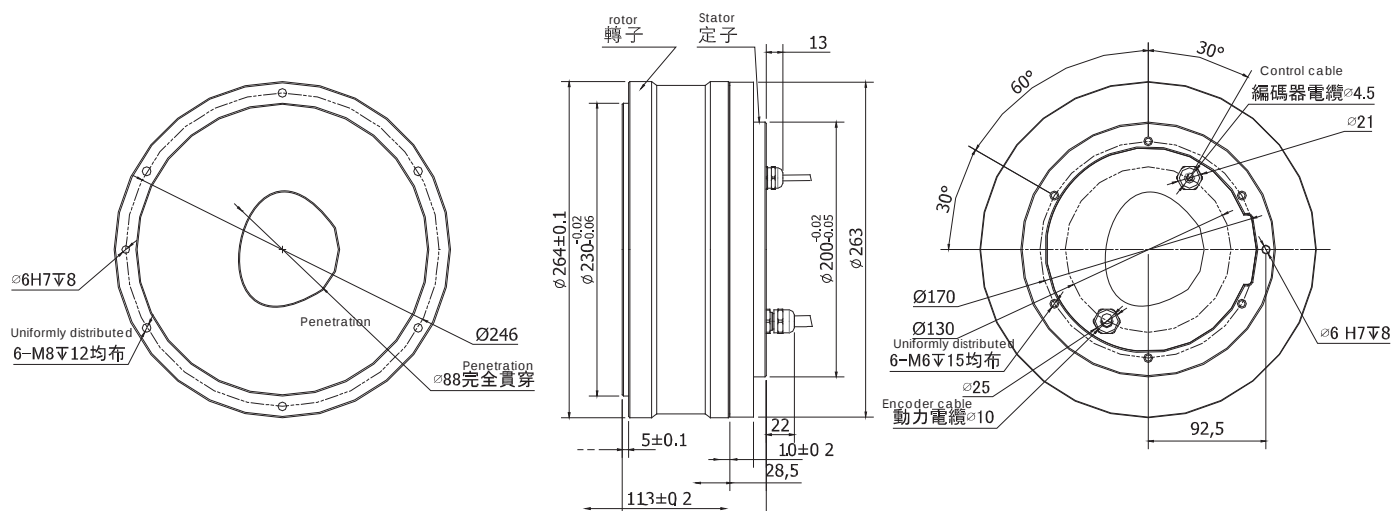
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	120
連續最大扭矩 (Continuous maximum torque)		N.m	65
最大轉速 (Maximum revolution)		rps	2.5
額定轉速 (Rated speed)		rps	1.2
線電阻 (Line resistance)		Ohm	5.8
線電感 (Inductance)		mH	22
力矩常數 (Torque constant)		Nm/Arms	14.8
反電勢常數 (EMF constant)		Vp/(krpm)	1265
連續電流 (Continuous Current)		Arms	4.5
峰值電流 (Peak current)		Arms	9
極對數 (Pole-pairs)		-	15
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	2592000
	絕對精度 (absolute accuracy)	arc-sec	±20/±6
	重複定位精度 (Repositioning resolution)	arc-sec	±1.6
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	2
額定功率 (Rated power)		KVA	0.8
轉子慣量 (Rotor inertia)		kg cm2	1296
精度要求 accuracy requirement	軸向負荷 axial load	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	15.5 or less
重量 (weight)		kg	29

外形圖 (Dimension) (單位: mm)



Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

Other construction: inner rotor type, excitation mode: 3 phase

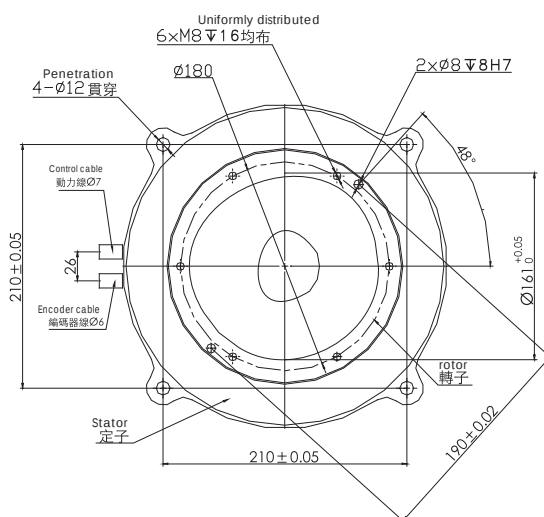
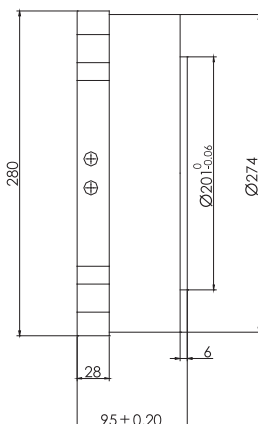
(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

The position resolution is the recommended value, depending on the drive settings.

The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)			N.m	135
連續最大扭矩 (Continuous maximum torque)			N.m	45
最大轉速 (Maximum revolution)			rps	4
額定轉速 (Rated speed)			rps	3
線電阻 (Line resistance)			Ohm	5
線電感 (Inductance)			mH	24
力矩常數 (Torque constant)			Nm/Arms	12.4
反電勢常數 (EMF constant)			Vp/(krpm)	1060
連續電流 (Continuous Current)			Arms	4
峰值電流 (Peak current)			Arms	12
極對數 (Pole-pairs)			-	22
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)		pulse/rev	259200
	絕對精度 (absolute accuracy)		arc-sec	± 6
	重複定位精度 (Repositioning resolution)		arc-sec	± 1.0
原點脈衝數 (Number of origin pulses)			pulse/rev	1
最大功率 (MAX power)			KVA	3
額定功率 (Rated power)			KVA	1
允許負載 carrying capacity	轉子慣量 (Rotor inertia)		kg cm2	312
	軸向負荷 axial load	正 (positive)	N	20000
		逆 (inversion)	N	12000
		徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)			um	15.5 or less
重量 (weight)			kg	24.2



P-FE264-150RE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）
Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：外轉子型，勵磁方式：3相

Other construction: outer rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值，根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

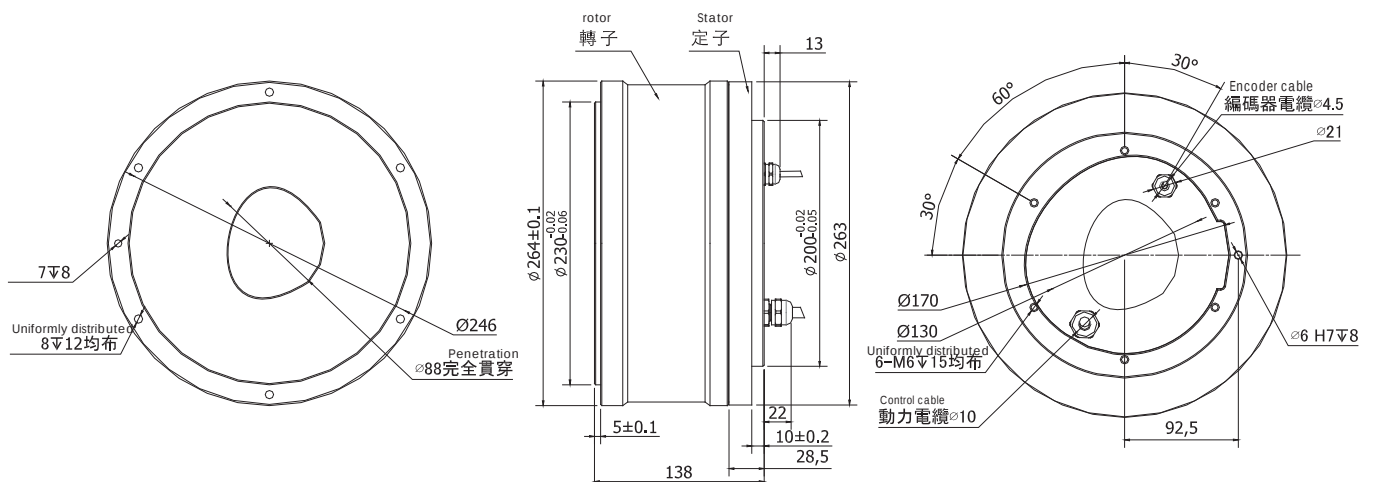
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	250
連續最大扭矩 (Continuous maximum torque)		N.m	100
最大轉速 (Maximum revolution)		rps	2
額定轉速 (Rated speed)		rps	1.2
線電阻 (Line resistance)		Ohm	8.5
線電感 (Inductance)		mH	37.4
力矩常數 (Torque constant)		Nm/Arms	24
反電勢常數 (EMF constant)		Vp/(krpm)	2052
連續電流 (Continuous Current)		Arms	4.2
峰值電流 (Peak current)		Arms	10.5
極對數 (Pole-pairs)		-	15
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	2592000
	絕對精度 (absolute accuracy)	arc-sec	±20/±6
	重複定位精度 (Repositioning resolution)	arc-sec	±1.0
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	3
額定功率 (Rated power)		KVA	1.2
轉子慣量 (Rotor inertia)		kg cm ²	1440
精度要求 accuracy requirement	軸向負荷 axial load	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	25,15 or less
重量 (weight)		kg	36.9

外形圖 (Dimension) (單位: mm)



P-FE264-300RE



電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）

Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：外轉子型，勵磁方式：3相

Other construction: outer rotor type, excitation mode: 3 phase

（注）標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值，根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

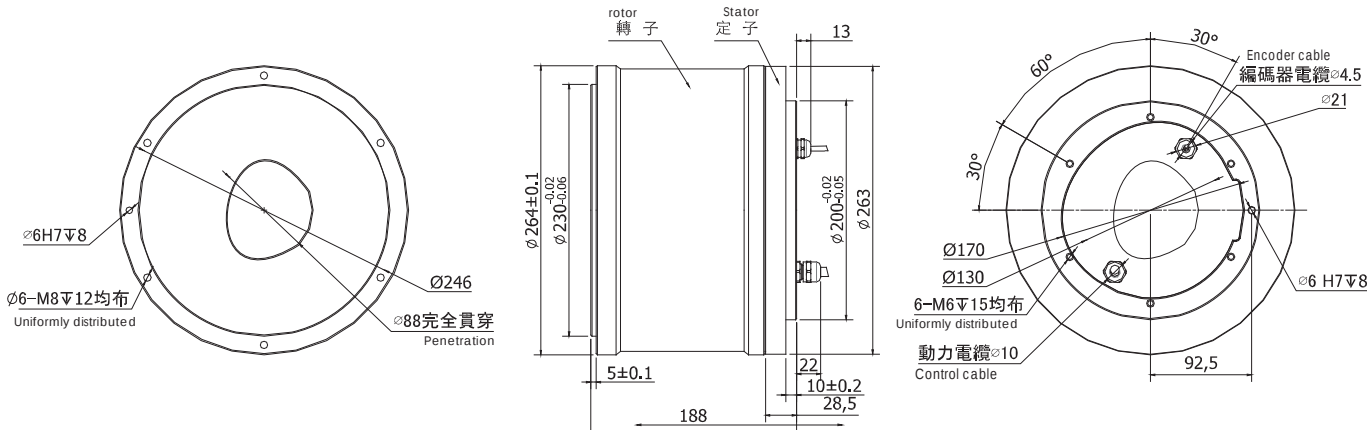
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	480
連續最大扭矩 (Continuous maximum torque)		N.m	175
最大轉速 (Maximum revolution)		rps	2.5
額定轉速 (Rated speed)		rps	1.5
線電阻 (Line resistance)		Ohm	2.8
線電感 (Inductance)		mH	10
力矩常數 (Torque constant)		Nm/Arms	25
反電勢常數 (EMF constant)		Vp/(krpm)	2137
連續電流 (Continuous Current)		Arms	7.2
峰值電流 (Peak current)		Arms	20
極對數 (Pole-pairs)		-	15
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	sin-cos/rev	20250
	絕對精度 (absolute accuracy)	arc-sec	±20/±6
	重複定位精度 (Repositioning resolution)	arc-sec	±1
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	4
額定功率 (Rated power)		KVA	2
轉子慣量 (Rotor inertia)		kg cm2	1900
精度要求 accuracy requirement	軸向負荷 axial load	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	30, 15 or less
重量 (weight)		kg	51.5

外形圖 (Dimension) (單位: mm)





P-FE284-500RA

電機卷線部絕緣等級：F類，絕緣耐壓：1分鐘1500V，絕緣電阻：10MΩ以上（500VDC）

Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造：外轉子型，勵磁方式：3相

Other construction: outer rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值，根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

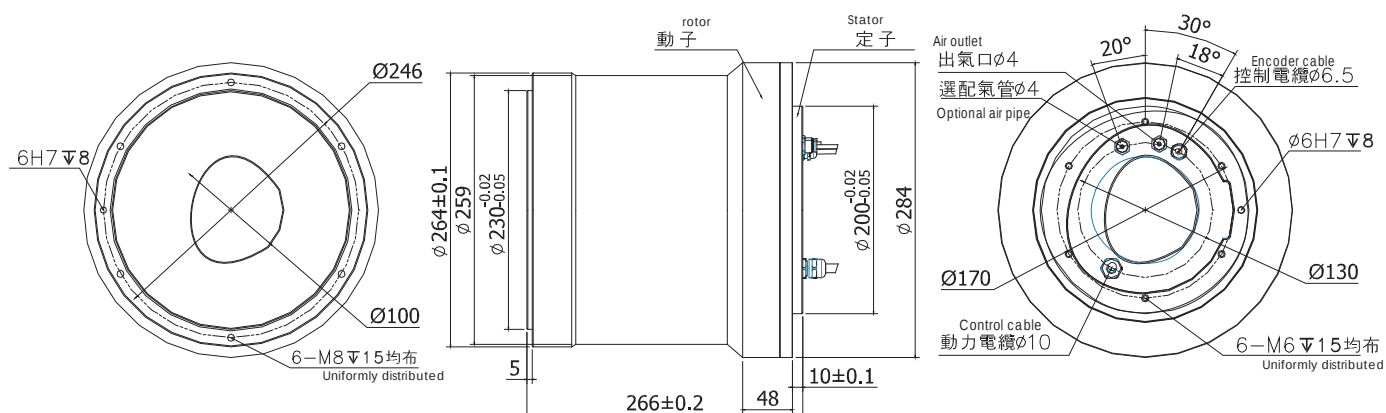
The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中，如明確說明則表示為200-230VAC電源。

In the chart, if it is clearly stated, it is expressed as a 200-230VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	600
連續最大扭矩 (Continuous maximum torque)		N.m	280
最大轉速 (Maximum revolution)		rps	1.5
額定轉速 (Rated speed)		rps	1
線電阻 (Line resistance)		Ohm	3.5
線電感 (Inductance)		mH	12.5
力矩常數 (Torque constant)		Nm/Arms	31
反電勢常數 (EMF constant)		Vp/(krpm)	2550
連續電流 (Continuous Current)		Arms	9
峰值電流 (Peak current)		Arms	20
極對數 (Pole-pairs)		-	15
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	sin-cos/rev	128
	絕對精度 (absolute accuracy)	arc-sec	± 40
	重複定位精度 (Repositioning resolution)	arc-sec	± 3
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	6
額定功率 (Rated power)		KVA	3
轉子慣量 (Rotor inertia)		kg cm ²	3605
精度要求 accuracy requirement	軸向負荷 axial load	正 (positive)	N
		逆 (inversion)	N
	徑向負荷 (radial load)		N.m
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	25,15 or less
重量 (weight)		kg	61

外形圖 (Dimension) (單位: mm)



P-FI375-1000RE



電機卷線部絕緣等級: F類, 絕緣耐壓: 1分鐘1500V, 絕緣電阻: 10MΩ以上 (500VDC)
Motor winding part insulation grade: Class F, insulation withstand voltage: 1500V for 1 minute, insulation resistance: 10MΩ or more (500VDC)

其他 構造: 內轉子型, 勵磁方式: 3相

Other construction: inner rotor type, excitation mode: 3 phase

(注) 標稱扭矩為安裝在熱容量足夠大的金屬機座上時的數值。

(Note) The nominal torque is the value when it is mounted on a metal base with a large enough heat capacity.

位置分辨率為建議值, 根據驅動器設定。

The position resolution is the recommended value, depending on the drive settings.

負載安裝面機械精度是安裝面的軸向偏差和徑向偏差。

The mechanical accuracy of the load mounting surface is the axial deviation and radial deviation of the mounting surface.

表中, 如明確說明則表示為380VAC電源。

In the chart, if it is clearly stated, it is expressed as a 380VAC power supply.

瞬時最大輸出扭矩 (Instantaneous maximum output torque)		N.m	1000
連續最大扭矩 (Continuous maximum torque)		N.m	360
最大轉速 (Maximum revolution)		rps	2
額定轉速 (Rated speed)		rps	1
精度要求 accuracy requirement	編碼器分辨率 (encoder resolution)	pulse/rev	2592000
	絕對精度 (absolute accuracy)	arc-sec	± 15
	重複定位精度 (Repositioning resolution)	arc-sec	± 1.0
原點脈衝數 (Number of origin pulses)		pulse/rev	1
最大功率 (MAX power)		KVA	12
額定功率 (Rated power)		KVA	3.5
反電勢常數 (Back EMF constant)		Vp/(krpm)	3950
線電阻 (Line resistance)		Ohm	5.3
線電感 (Inductance)		mH	32
轉矩常數 (Torque constant)		Nm/Arms	46.2
連續電流 (Continuous Current)		Arms	8
峰值電流 (Peak current)		Arms	23
極對數 (Pole-pairs)		-	33
允許負載 carrying capacity	轉子慣量 (Rotor inertia)	Kg cm2	5200
	軸向負荷 axial load	N	20000
	徑向負荷 (radial load)	Nm	600
負載安裝面機械精度 (Mechanical accuracy of load mounting surface)		um	15,5 or less
重量 (weight)		Kg	90

外形圖 (Dimension) (單位: mm)

