delivery

- 1 X MD860 Driver
- 1 X Stepping motor with worm gear

Product Information:

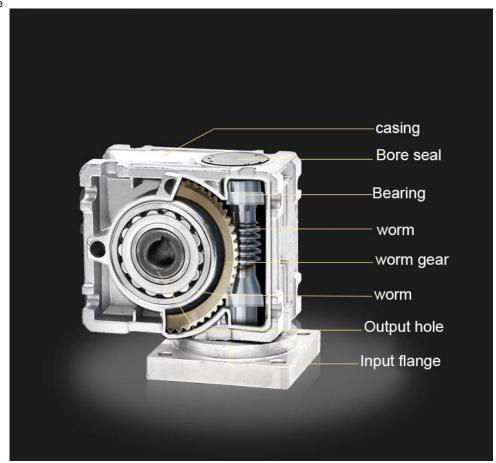
Type: worm gear stepper motor

86 Worm Gear Stepper Motor Feature:

High torque Low noise

Efficient and precise

Safe and durable





How to choose the right turbine gear?

- 1: Load Conditions
- 2: Speed range and ratio
- 3: Installation space
- 4: Working conditions and operating environment (temperature, humidity, corrosion, etc.)



NMRV Worm Gear Characteristic:

Products has aluminum alloy housing, and beautiful shape, compact design, small size, light weight and not easy to rust The internal unique design, good heat dissipation, safety and reliability, high efficiency

The continuous improvement process has high load bearing capacity, smooth transmission, small vibration, low noise)

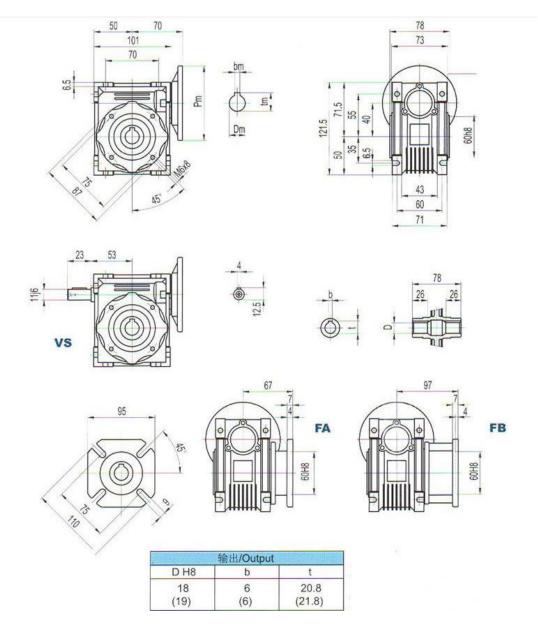
86 Schneckengetriebe-Schrittmotor verschiedene Modelle



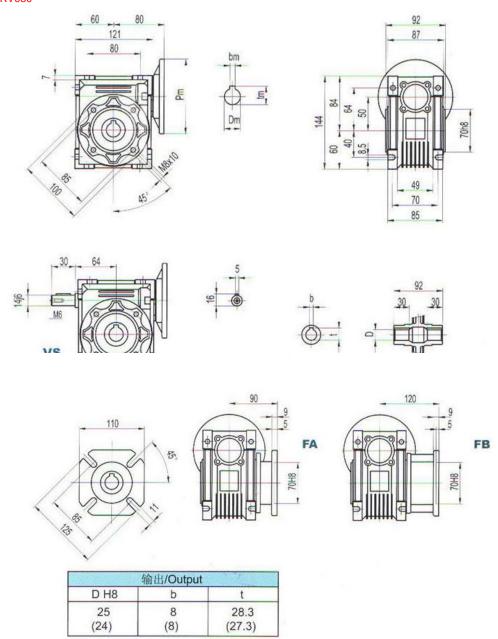
 Motor Length
 F-86BYG1835
 F-86BYG1845
 F-86BYG1865
 F-86BYG1885
 F-86BYG1890
 F-86BYG18120

 Schrittmotor
 67mm
 80mm
 98mm
 118mm
 125mm
 160mm

Modell	Halte drehmoment		Nenn	Phasen widerstand	Phase Induktivität	Leistung	Trägheitsmoment		Gewicht	Dicke	
	Н - м	oz-in	strom A/PHASE	₽/PHASE	»H/PHASE	(PINS)	g. cm²	oz-in²	kg (Ib)	mm (inch)	
F-86BYG1835	3.5	91	2.4	1.2	2.4	4	1300	7. 1	1.86(4.10)	67.5(2.66)	
F-86BYG1845	4.5	135	4.0	1.0	2.4		1800	9.8	2.83	80.23	
F-86BYG1865	6.5	184	4.2	0.8	2.4		2500	13.7	3.00(6.61)	96 (3. 78)	
F-86BYG1885	8. 5	326	5.0	0.76	2.5		3700	20.2	3.95(8.71)	119.5(4.70	
F-86BYG1890	9.0	354	6.0	0.81	3		3900	21.3	4. 18 (9. 22)	126 (4. 96)	
F-86BYG18120	12.0	439	6.0	0.95	3.7		5600	30.6	5.50(12.12)	156 (6. 14)	



Size of RV050



Product Size:

Drive Size: 98 * 150mm Stepper motor size: 86 * 98

Product specifications of DM860

High performance, high torque, almost zero noise

Speed is twice than the analog amount chip (analog quantity chip)

Input voltage / input voltage: 24 - 80 VDC Output Current / Output Current: 2.8A - 7.2A Pulse Response Frequency: 200KHZ Optimization of engine noise function

The DM860 is one of the two-phase hybrid stepping motor Drivern

Electrical Properties:

Input power: 24-80V DC power supply

Capacity: not less than 200 VA

Typical values: DC36V

Output current: 2.4A to 7.2A, 8-channel adjustable

Resolution: 0.5A

Drive: Dual constant current -PWM output drive Insulation resistance: Normal voltage> $500M\Omega$

Weight: 485g

Environmental conditions:

Cooling: natural cooling

Working temperature -10 ~ 45 °C;

Storage temperature -40 $^{\circ}$ C ~ 70 $^{\circ}$ C

Humidity: <80% RH, Humidity / Humidity: no condensation, no water droplets / No condensation, no water droplets

Vibration: maximum not above 5.7 m / s2

Drive input signal Interface function / (port function):

Signal interface

PUL +, PUL-

Pulse signal

PUL+ is the positive end of pulses input pin
PUL- is the negative end of pulse input pin

DIR+,DIR-

DIR signal:

DIR+ is the positive end of direction input pin DIR- is the negative end of direction input pin

ENA + and ENA- (ENABLE signal)

ENA + is the positive end of the ENABLE signal

ENA - is the negative end of the ENABLE signal

note: when VCC=24V, R=2K

Engine interface:

A + and A- connect positive and negative terminals from the A-phase windings of the stepping motor

B + and B- connect positive and negative terminals from the B-phase windings of the stepping motor

When A, B two-phase windings are changed, the motor direction is reversed.

Power Supply Interface:

Use DC power supply. The operating range of recommendations is 20V-50VDC, mains power is merh than 100 W. According to the actual use, input is not more than DC40V as the right choice.

Indicator:

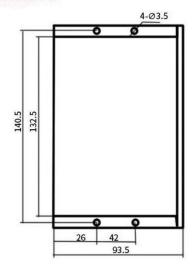
This driver has red and green two lights. The green light is used as the operating indicator. After switching on, the green light is always on.

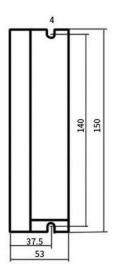
The red light is the failure indicator. Which is switched on during overvoltage and overcurrent errors. If the error is cleared, failure indicator is off.

If driver has the problem, you need to re-power or re-enable / ENABLE to clear the problem.

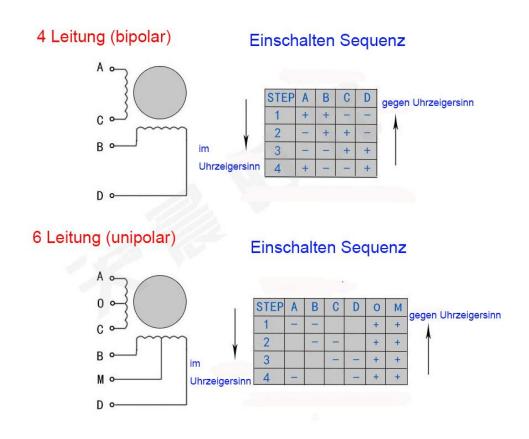
Stromausgang Einstellung-Tabelle					Subdivision Einstelltabelle					
Ausgang Spitzenstrom	SW1	SW2	SW3	Subdivision- Vielfaches	Schritte/Kreis (1.8 Winkel/Voll Driver)	SW5	SW6	SW7	SW8	
2. 40A	on	on	on	2	400	on	on	on	on	
3. 08A	off	on	on	4	800	off	on	on	on	
3.771A	on	off	on	8	1600	on	off	on	on	
4. 45A	off	off	on	16	3200	off	off	on	on	
5.14A	on	on	off	32	6400	on	on	off	on	
5.83A	off	on	off	64	12800	off	on	off	on	
6. 52A	on	off	off	128	25600	on	off	off	on	
7.20A	off	off	off	256	51200	off	off	off	on	
				5	1000	on	on	on	off	
				10	2000	off	on	on	off	
				20	4000	on	off	on	ofi	
				25	5000	off	off	on	off	
				40	8000	on	on	off	off	
				50	10000	off	on	off	ofi	
				100	20000	on	off	off	off	
				200	40000	off	off	off	off	

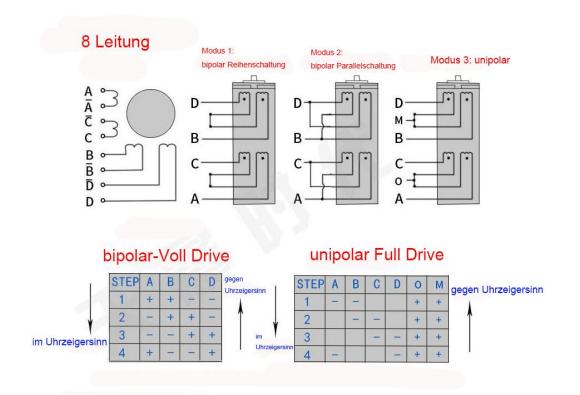
Einbaumaße





Wir empfehlen Seitlich-Montage, Gute Wärmeableitung





Drehmomentkurve

