

FAM Series



FEATURE:

- Class F insulation
- IP-54 protection
- With Aluminum alloy light-weight design and good heat dissipation
- With IEC standard specification and easy for installing
- Practical design allows for easy maintenance
- Totally enclosed structure, dust-proof, flame-proof, water-proof, oil resistance
- Use special die-casted aluminum rotors, big starting torque, small rotor inertial moment motion can save starting and stopping time
- Little vibrating and low noise
- OEM/ODM orders are very welcome

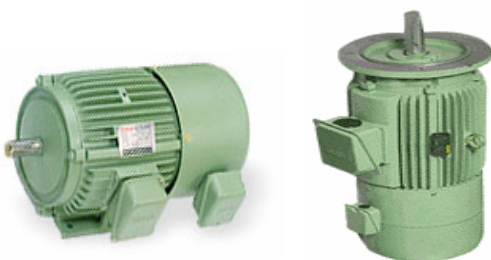
FAE Series



FEATURE:

- With IEC standard specification and easy for installing
- Practical design allows for easy maintenance
- Totally enclosed structure, dust-proof, flame-proof, water-proof, oil resistance
- Use special die-casted aluminum rotors, big starting torque, small rotor inertial moment motion can save starting and stopping time
- Little vibrating and low noise
- OEM/ODM orders are very welcome

FDF Series



FEATURE:

- Adopted for IEC dimensions and easy installation
- Available to apply with any brand of inverter
- High speed response and low noise
- Smooth torque rotation from the low speed to high speed ranges.
- With totally enclosed structure dust-proof, flame-proof, drip-proof, oil-resistant
- With Independent forced cooling fan and maintain free
- Insulation H class

Scope of application :

- Slitting & rewinding machines
- Rubber processing machines
- Bag making machines
- PVC synthetic leather machines machines
- Printing machines Textile machines
- Plastic extruder machines
- NC rotary high speed sheet cutter machines
- Can making machines Dyeing & stamping
- Stripe expansion machines

GEAR REDUCER FOR INDUSTRIAL USAGE

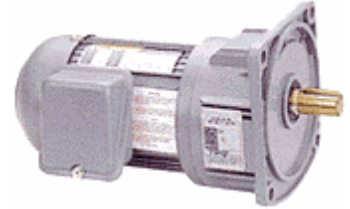
■ NEMA C FACE Type Reducer



Horizontal Type

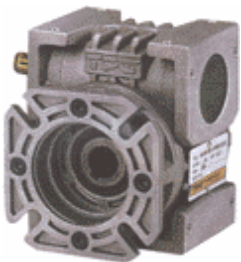


Vertical Type

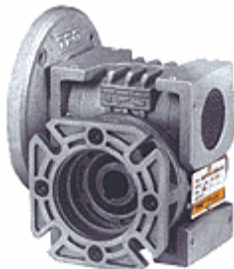


AC Geared Reducer Motor Assembly Outline

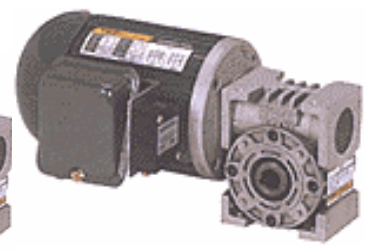
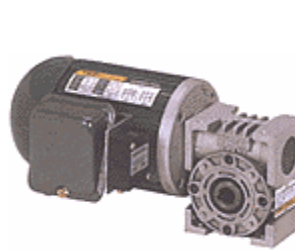
■ HOLLOW SHAFT WORM GEAR



FS Type



FD Type



AC Worm Geared Motor Assembly Outline

■ WORM GEAR REDUCER FOR INDUSTRIAL USAGE

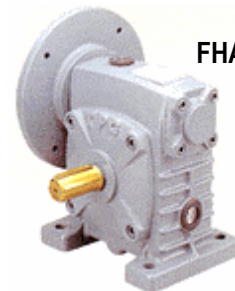
● HORIZONTAL TYPE



FH-A SERIES



FH-B SERIES



FHAS SERIES

● VERTICAL TYPE



FH-A SERIES



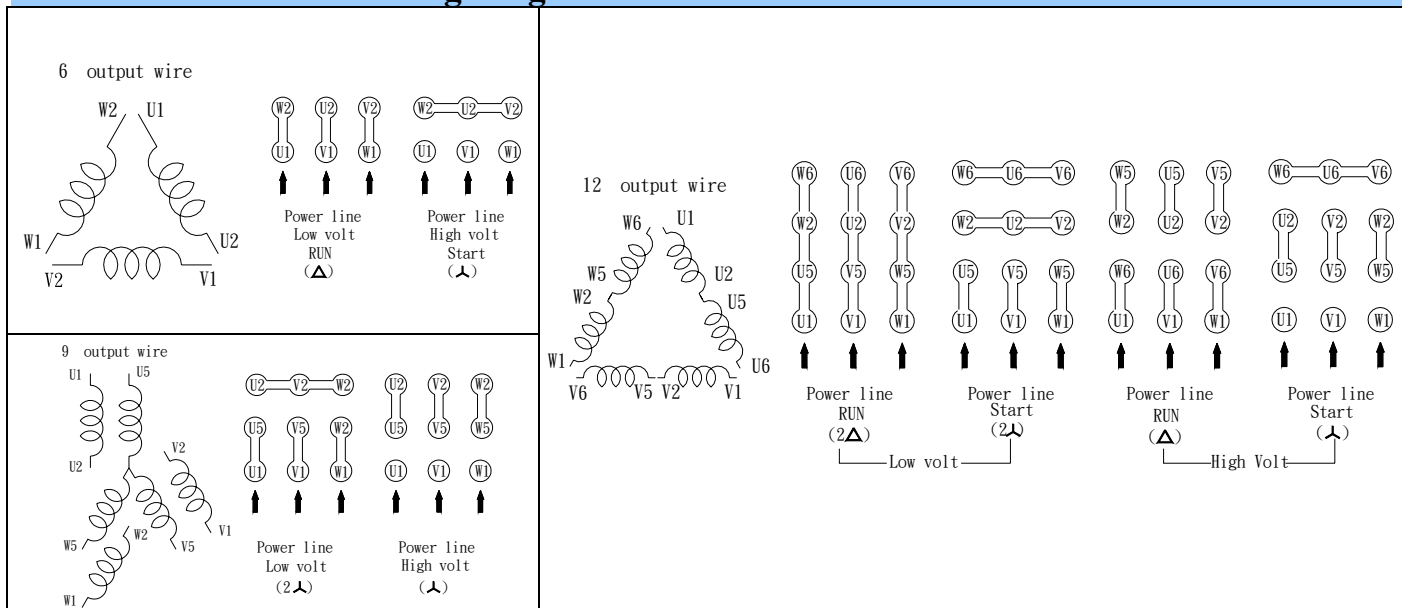
FH-A SERIES



FH-A SERIES

Please contact telst@ms67.hinet.net for more detailed technical spec. data/drawing

AC Induction Motor Wiring Diagram



Typical Character List IEC34, CNS10919 C3192 Approval (220V, φ 3, 60HZ)

HP	Output kW	RPM	Frame No	Insulating type	Full load character				Starting character		Max torque %	Inertia Kg-m ²
					Torque Kg-m	Efficiency %	Powder Factor %	Current Amp.	Torque %	Current Amp.		
1/4	0.185 (0.2)	3335	63	E	0.054	61.0	77.0	1.0	400	6	300	0.002
		1650	63	E	0.110	66.0	70.0	1.0	280	6	250	0.003
		1120	71	E	0.162	64.0	60.0	1.3	200	6	250	0.006
1/2	0.37 (0.4)	3370	71	E	0.108	75.0	86.0	1.5	340	12	290	0.0025
		1680	71	E	0.216	70.0	75.0	1.9	200	12	250	0.005
		1130	80	E	0.321	68.0	67.0	2.2	200	12	230	0.009
1	0.75	3395	80	E	0.214	77.0	87.0	2.9	220	19	280	0.005
		1700	80	E	0.427	76.0	76.5	3.4	230	19	280	0.009
		1140	90L	E	0.637	76.0	71.0	3.6	200	19	230	0.018
2	1.5	3415	90L	E	0.425	80.0	89.0	5.5	250	40	280	0.011
		1710	90L	E	0.849	79.0	81.0	6.1	220	40	280	0.018
		1140	100L	E	1.273	78.0	74.0	6.8	180	40	220	0.033
3	2.2	3450	90L	E	0.631	82.0	89.0	8.0	250	68	280	0.015
		1725	100L	E	1.262	82.0	82.5	8.7	210	68	260	0.033
		1150	112M	E	1.894	82.0	77.0	9.3	180	68	230	0.060
5	3.7	3450	112M	E	1.046	84.5	90.0	12.0	240	110	280	0.039
		1745	112M	E	2.080	85.0	85.0	13.5	220	110	260	0.060
		1150	132S	B	3.129	84.0	77.0	15.1	180	110	230	0.154
7½	5.5	3490	132S	B	1.560	85.0	90.0	19.2	220	160	260	0.066
		1750	132S	B	3.111	87.0	84.0	20.1	220	160	250	0.106
		1160	132M	B	4.693	85.0	77.5	22.3	200	160	230	0.222
10	7.5	3490	132S	B	2.080	86.5	90.0	25.1	200	200	210	0.078
		1750	132M	B	4.148	88.5	88.0	25.1	220	200	250	0.146
		1170	160M	B	6.204	87.0	80.0	28.1	210	200	230	0.408
15	11	3510	160M	B	3.102	88.0	90.0	37.1	200	290	240	0.164
		1760	160M	B	6.186	90.0	89.0	36.7	220	290	250	0.322
		1170	160L	B	9.306	89.5	84.0	39.1	210	290	230	0.599
20	15	3520	160M	B	4.124	89.5	91.0	48.1	200	360	240	0.191
		1760	160L	B	8.248	90.5	86.0	50.3	220	360	240	0.412
		1170	180M	B	12.408	90.0	85.0	51.2	200	360	210	1.007
25	18.5	3520	160L	B	5.155	90.0	89.5	60.8	200	440	230	0.247
		1765	180M	B	10.281	91.0	85.5	62.9	210	440	240	0.624
		1170	180L	F	15.510	90.0	84.5	64.4	200	440	210	1.170
30	22	3520	180M	B	6.186	90.5	90.0	72.1	200	550	230	0.315
		1765	180M	B	12.338	91.5	88.0	72.9	210	550	240	0.671
		1170	180L	F	18.612	91.0	84.0	76.8	200	550	210	1.365
40	30	3520	180L	F	8.248	90.5	91.0	95.1	180	620	210	0.373
		1760	180L	F	16.497	92.0	88.0	96.7	210	620	230	0.829
		1170	200L	F	24.816	92.0	85.0	100.1	190	620	200	1.952
50	37	1760	200L	F	20.60	92.0	86.0	124.0	200	800	210	1.293
		1170	200L	F	31.02	92.5	84.0	126.0	190	800	200	2.292
60	45	1760	200L	F	24.745	92.0	89.0	143.5	190	910	200	1.681

FAMEF/ FAMVF/ FAMVB series with class F insulation.

Note: 1. Examination method according to CNS 10919 and C3192.

2. The above mentioned value subject to change without notice.

FORMOSA® AC INDUCTION MOTOR DRIVER FOR INDUSTRIAL USAGE



FEATURE:

- Simple, user-friendly digital keypads
- Easy-to-install mechanical designs
- Password protection
- PID control
- Excellent characteristics, high efficiency, and great reliability
- 3 skip frequencies to avoid mechanical resonant frequencies
- Built-in counter
- Built-in MODBUS
- Torque boost
- Auto slip compensation
- Random VLF curves
- Multi-step speeds
- Auto adjustable accel./decel. settings
- Jog (Frequency, Accel./Decel. Time) settings
- Momentary power loss control
- Built-in RS-485 communication interface
- Automatic voltage regulation
- Programmable logic controls
- Adjustable carrier frequency
- Overcurrent stall prevention
- ACI input loss detection

TYPICAL SPECIFICATIONS

Model	FS1						FS2								FP2G3 · FP2H3								FP4G3 · FP4H3								FP2G3				FP4G3			
Input Voltage	1Ø 110VAC ±10%						1Ø 220VAC ±10%				3Ø 220VAC ±10%				1 or 3Ø 220VAC				3Ø 220VAC				3Ø 380/440VAC								3Ø 220VAC ±10%				3Ø 380/440VAC ±10%			
Model No	02	04	07	11	04	07	04	07	15	22	304	307	315	322	04	07	15	22	37	55	75	07	15	22	37	55	75	110	110	150	185	220	150	185	220			
Input Frequency	50HZ – 60HZ ±10%						50HZ – 60HZ ±10%								50HZ – 60HZ ±5%																							
Output Voltage	3Ø 110VAC			3Ø 220VAC			3Ø 220VAC								3Ø 220VAC								3Ø 380/440VAC								3Ø 220VAC				3Ø 380/440VAC			
Output Frequency	0.5 - 400HZ						0.5 - 400HZ								0.5HZ – 400HZ (AP×H3 Up To 2000HZ)																							
Rated Current(A)	3	5	8	11	3	5	3	5	8	11	3	5	8	11	3	5	8	11	17	24	33	2.5	4	6	9	12	17	23	46	61	76	90	31	38	43			
Capacity (KVA)	0.6	0.9	1.5	2.1	1.1	1.9	1.1	1.9	3.1	4.2	1.1	1.9	3.1	4.2	1.1	1.9	3.1	4.2	6.5	9.2	12.6	1.9	3	4.2	6.9	9.1	12	17.5	17.6	23.3	29	34	23.6	29	32.8			
Largest Motor (KW) (4 poles)	0.2	0.4	0.75	1.1	0.4	0.75	0.4	0.75	1.5	2.2	0.4	0.75	1.5	2.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5	0.75	1.5	2.2	3.7	5.5	7.5	11	11	15	18.5	22	15	18.5	22			
Control	Sine wave pulse width modulation																																					
Cooling Method	Self-Cooled	Air-Cooled	Self-cooled	Air-cooled	Self-Cooled	Air-Cooled	Self-Cooled	Air-Cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled	Self-cooled	Air-cooled										
Weight (KG)	1.2	1.3	1.3	1.4	1.2	1.3	1.2	1.3	1.3	1.4	1.2	1.3	1.3	1.4	3.2	3.2	3.3	3.3	5.5	6.2	6.6	3.2	3.3	3.3	5.5	6.2	6.6	6.8	17	18	18.5	19	18.5	19	19.5			

- All specifications, dimensions and design characteristics are subject without notice.
- All inverter series are with remote control models. They are offered "R" following the model no. Ex.FP4G3-15R or FS2-07R.

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Please contact telst@ms67.hinet.net for more detailed technical spec. data/drawing

CHECH LIST FOR INQUIRY

1. Applied Machine (*Application*) _____

2. Motor Rating

Power supply source voltage / frequency : _____ V _____ Hz

Rated output: _____ kW

Rated speed : Constant torque range _____ rpm~ _____ rpm

Constant power range _____ rpm~ _____ rpm

Time rating : (*Continuous*) _____ min , hr

Starting torque : _____ %

Starting time : _____ sec

Starting duty : _____ times / sec , min , hr

Load inertia GD^2 : _____ $kg\cdot m^2$ (*calculated at motor shaft*)

Acceleration time : _____ sec

Deceleration time : _____ sec

Exceed torque : _____ % _____ sec

3. Motor Enclosure Totally enclosed , Open , Explosion proof , Corrosion proof

4. Installation Indoor , Outdoor

5. Others _____

***Pls fill up this form and send to our sales dep. by e-mail.**