



1-Phase Poultry/Livestock Direct-Drive Fan Motors

- Enclosure: totally enclosed air-over
- Max ambient temp.: 40°C

Motors feature shaft slinger. For fan duty only. Direct replacements for Acme, Aerotech, Dayton®, GSI, LB White, and other direct-drive poultry fans. PSC and Capacitor Start/Run motors also have gasketed capacitor covers. All models are UL Recognized and CSA Certified.



HP	Nameplate RPM	Frame	Rotation	Voltage	Full Load Amps	Service Factor	Ins. Class	Mounting	Shaft Dia.	Shaft Length	Brand	Item No.
Permanent Split Capacitor												
1/4	1700	48YZ	CW/CCW	115/230	3.3/1.7	1.00	B	Cradle Base	1/2"	2 1/16"	Dayton	1YA24 *
	1725	48YZ	CW/CCW	115/230	2.3/1.4	1.00	B	Yoke	1/2"	2 1/16"	Dayton	1YA27 *
	1625	48Z	CW/CCW	115/230	3.6/1.8	1.00	B	Cradle Base	1/2"	2 1/2"	Marathon	33L616
1/2	1700	48YZ	CW/CCW	115/230	3.8/1.9	1.00	B	Cradle Base	1/2"	2 1/2"	Dayton	1YA25 *
	1725	48YZ	CW/CCW	115/230	3.8/1.9	1.00	B	Yoke	1/2"	2 1/16"	Dayton	1YA28 *
	1700	48YZ	CW/CCW	115/230	5.0/2.5	1.00	B	Cradle Base	1/2"	2 1/2"	Dayton	1YA26 *
3/4	1700	48YZ	CW/CCW	115/230	5.5/2.8	1.00	F	Yoke	1/2"	2 1/2"	Dayton	1YA29 *
	1075	48Z	CW/CCW	115/230	7.2/3.6	1.00	—	Cradle Base	1/2"	2 1/2"	Marathon	33L621
	850	56Y	CCWLE	208-230	3.7-3.6	1.00	B	Stud	5/8"	1 7/8"	Marathon	33L622
1	1100	48Y	CW/CCW	115/230	3.9/1.9	1.00	B	Stud	1/2"	2 1/2"	Dayton	1YBA5
	1100	48Y	CW/CCW	115/230	3.9/1.9	1.00	B	Rigid Base	1/2"	3 3/4"	Dayton	1YBA4
	850	48Y	CW/CCW	115/230	6.0/3.0	1.25	B	Stud	5/8"	3 3/4"	Dayton	1YAZ3
1 1/2	850	56Z	CW/CCW	115/230	6.0/3.0	1.00	B	Rigid Base	5/8"	2 1/2"	Dayton	1YBA6
	850	56CZ	CWSE	230	5.8	1.00	B	Face	5/8"	2 1/2"	Dayton	1YBA7
	850	56CZ	CWSE	230	5.2	1.00	B	Face	3/4"	3 1/4"	Dayton	1YBA1
Capacitor-Start/Run												
3/4	1725/1425	56	CW/CCW	115/208-230	7/3.8-3.5	1.30	B	Cradle Base	5/8"	1 1/8"	Marathon	33L623
1	1725/1425	56	CW/CCW	115/208-230	10.6/5.5-5.3	1.30	B	Cradle Base	5/8"	1 1/8"	Marathon	33L624
1 1/2	1725	56	CW/CCW	115/208-230	14.0/7.2-7.0	1.30	B	Cradle Base	5/8"	1 1/8"	Marathon	33L625
Split-Phase												
1/2	1725	48	CW/CCW	115	3.5	1.00	B	Cradle Base	1/2"	1 1/2"	Marathon	33L614
1/4	1140	48	CW/CCW	115	3.7	1.00	B	Cradle Base	1/2"	1 1/2"	Marathon	33L615
1/4	1140	56	CW/CCW	115	5.6	1.00	B	Cradle Base	5/8"	1 1/8"	Marathon	33L617
1/2	1725	48Z	CW/CCW	115	6.2	1.00	B	Cradle Base	1/2"	2 1/4"	Marathon	33L618
1/2	1140	56	CW/CCW	115/230	7.0/3.5	1.00	B	Cradle Base	5/8"	1 1/8"	Marathon	33L619
1/2	1725	56	CW/CCW	115/208-230	8.0/4.0-4.0	1.00	B	Cradle Base	5/8"	1 1/8"	Marathon	33L620
3-Phase												
1	850	56CZ	CW/CCW	440/460	1.9-2.0	1.00	B	Face	3/4"	3 1/4"	Dayton	1YAZ2

* Adjustable speed: Designed to operate from 100% down to 80% speed with optional speed controllers, see page 158.
For use with fans only; not intended for mechanical applications.



No. 1YA24
Permanent Split
Capacitor



No. 33L623
Capacitor Start/Run



No. 1YAZ2
3-Phase

1-Phase Poultry/Livestock Belt-Drive Fan Motors

- Enclosure: totally enclosed air-over
- Rotation: CW/CCW
- Thermal protection: auto
- Insulation: Class B
- Max. ambient temp.: 40°C

Motors have higher service factors and breakdown torque for the most-demanding applications. Feature shaft slinger, gasketed capacitor, and conduit box cover for added protection against dirt and moisture. Motors also have double-sealed bearings, condensation drain holes, and cooler-running windings to promote longer service life. For use in Dayton®, Aerotech, American Coolair, Chore Time, Acme, Hired Hand, and other air-over belt drive livestock ventilation fans. UL Recognized and CSA Certified.



HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Mounting	Brand	Mfr. Model	Item No.
Capacitor-Start/Run									
1/2	1725	56	115/208-230	4.6/2.6-2.4	1.40	Cradle Base	Dayton	—	5JKW9
3/4	1725	56	115/208-230	6.1/3.4-3.1	1.30	Cradle Base	Dayton	—	4WNZ5
1	1725	56	115/208-230	6.1/3.4-3.1	1.30	Rigid Base	Dayton	—	4WNZ6
1 1/2	1725/1425	56	115/230	9.0/4.5	1.30	Cradle Base	Century	PD6104AV2	3RCW9
	1725/1425	56	115/230	9.0/4.5	1.30	Rigid Base	Century	PD6104AV3	3RCX1
	1725	56H	115/230	7.9/4.0	1.15	Rigid Base	Dayton	—	3K993
1	1725	56H	115/230	7.9/4.0	1.15	Cradle Base	Dayton	—	4K124
Split-Phase									
1/4	1725	48	115/208-230	3.0/1.6-1.5	1.00	Cradle Base	Marathon	5KHC39QN9575T	2K349 *
1/2	1725	48	115/208-230	4.1/2.1-2.0	1.00	Rigid Base	Marathon	5KHC39QN9581T	2K348 *
1/2	1725	56	115/230	5.5/2.7	1.25	Rigid Base	Dayton	—	1YBU8
1 1/2	1725/1425	56	115/208-230	4.8/2.4	1.30	Cradle Base	Century	PD1050AV1	3RCW8
	1725	56	115/230	7.6/3.8	1.25	Rigid Base	Dayton	—	1YBV8
	1725	56	115/230	7.6/3.8	1.25	Cradle Base	Dayton	—	1YBV9
3/4	1725	56	115/230	7.6/3.8	1.25	Cradle Base	Dayton	—	1YBW1 *
	1725	56	115/230	11.5/5.7	1.25	Rigid Base	Dayton	—	1YBU9
	1725	56	115/230	13.0/6.5	1.25	Rigid Base	Dayton	—	1YBV1

* Includes 3/8" x 3/8" extended thru-bolts for fan guard mounting.



Capacitor-Start/Run,
Cradle Base



Split-Phase,
Cradle Base

Capacitor-Start Aeration Fan Motors

- Enclosure: totally enclosed air-over
- Rotation: CW/CCW
- Service factor: 1.0
- Insulation: Class B
- Mounting: rigid base
- Max. ambient temp.: 50°C

Use as a replacement motor for tube-axial fan grain aeration systems made by Aero-Vent, Dynavent, Farm Fan, and other manufacturers. Permanent split capacitor motors have keyed shaft that is drilled on center 1"D, and tapped 1/4-20 UNC to allow fan mounting. UL Recognized and CSA Certified.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Item No.
1/2	3450	48	115/230	8.0/4.0	1/2"	1 1/2"	4K055
	3450	56Z	115/230	7.4/3.7	5/8"	2 1/4"	4K056
	3450	48	115/230	11.0/5.5	1/2"	1 1/2"	4K057
3/4	3450	56Z	115/230	11.0/5.5	5/8"	2 1/4"	4K058
	3450	56Z	115/230	12.4/6.2	5/8"	2 1/4"	4K059
1 1/2	3450	143TZ	115/230	17.4/8.7	7/8"	2 1/4"	4K060
2	3450	143TZ	115/230	22.2/11.1	7/8"	2 1/4"	4K061
3	3450	145TZ	230	14.9	7/8"	2 1/4"	4K062



No. 4K055



No. 4K059