

Dayton

High-Torque and Extra-High-Torque Farm-Duty Motors

- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: manual
- Bearings: ball
- Max. ambient temp.: 40°C
- Duty: continuous
- Motor shaft design: keyed

Features include gasketed conduit box and a capacitor cover; a rubber boot over the manual protector reset button seals the motor against weather and contaminants. Oversized conduit boxes make connections easier. Shaft slinger included. For use with conveyors, silo unloaders, barn cleaners, compressors, and manure pumps. Extra-High-Torque motors have up to 400% starting torque for extremely hard-starting applications and can start under full-load conditions.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Service Factor	Ins. Class	Shaft Dia.	Shaft Length	Item No.
High-Torque									
Rigid Base Mounting, Capacitor-Start/Run									
1½	1,725	143/5T	115/230V AC	16.2/8.1	1.15	B	¾ in	2 ¼ in	6K311
2	1,725	56HZ	115/230V AC	20.0/10.0	1	F	¾ in	2 ¼ in	4K090
3	1,740	184T	230V AC	14.5	1	F	1 ½ in	2 ¾ in	6K610
5	1,740	182/4T	230V AC	22.0	1	F	1 ½ in	2 ¾ in	6K847
	1,730	213T	230V AC	23.0	1	F	1 ¾ in	3 ½ in	6K130
7½	1,740	215T	230V AC	30.0	1	F	1 ¾ in	3 ½ in	6K969
10	1,730	215T	230V AC	38.0	1	F	1 ¾ in	3 ½ in	6K970
Rigid Base Mounting, Capacitor-Start									
½	1,725	56Z	115/230V AC	6.6/3.3	1.15	B	¾ in	1 ¾ in	6K710
½	1,725	56Z	115/230V AC	9.0/4.5	1.15	F	¾ in	1 ¾ in	6K714
¾	1,725	56Z	115/230V AC	11.4/5.7	1.15	B	¾ in	1 ¾ in	6K719
1	1,725	56HZ	115/230V AC	14.0/7.0	1.15	F	¾ in	2 ½ in	6K727
1½	1,725	56HZ	115/230V AC	16.2/8.1	1.15	B	¾ in	1 ¾ in	6K740
2	1,740	182T	115/230V AC	23.6/11.8	1	F	1 ½ in	2 ¾ in	6K313
Face/Base Mounting, Capacitor-Start									
½	1,725	56C	115/230V AC	6.6/3.3	1.15	B	¾ in	1 ¾ in	1TMW3
½	1,725	56C	115/230V AC	9.0/4.5	1.15	B	¾ in	1 ¾ in	1TMW5
¾	1,725	56C	115/230V AC	11.4/5.7	1.15	B	¾ in	1 ¾ in	1TMW7
1	1,725	56HC	115/230V AC	14.0/7.0	1.15	F	¾ in	1 ¾ in	1TMW9
1½	1,725	56HC	115/230V AC	14.4/7.2	1.15	B	¾ in	1 ¾ in	1TMX2
2	1,725	145TC	115/230V AC	18.9/9.4	1.15	F	¾ in	2 ½ in	1TMW2
Extra-High-Torque									
Rigid Base Mounting, Capacitor-Start/Run									
1½	1,725	143/5T	115/230V AC	19.2/10.1	1.15	F	¾ in	2 ¼ in	6K886
2	1,750	182TZ	115/230V AC	25.6/12.8	1.15	F	¾ in	2 ¾ in	6K887
3	1,760	184T	230V AC	17.0	1.15	F	1 ½ in	2 ¾ in	6K881
5	1,740	184T	230V AC	24.0	1.15	F	1 ½ in	2 ¾ in	6K882
10	1,735	215T	230V AC	41.0	1.15	F	1 ¾ in	3 ¾ in	6K885
Rigid Base Mounting, Capacitor-Start									
1	1,725	143/5T	115/230V AC	15.0/7.5	1.15	F	¾ in	2 ¼ in	6K994
5	1,725	215TZ	230V AC	29.0	1.15	F	1 ½ in	3 ¾ in	6K883
7½	1,715	215TZ	230V AC	30.8	1.15	F	1 ½ in	3 ¾ in	6K884



Rigid Base



Face/Base with Removable Base

General Purpose Farm-Duty Motors

- Rotation: CW/CCW
- Mounting: rigid base
- Bearings: ball
- Max. ambient temp.: 40°C
- Duty: continuous
- Motor shaft design: keyed

Gasketed conduit box and shaft slinger provide added protection against moisture, dust, and dirt. Use for driving augers, air compressors, conveyors, pumps, and other farm equipment where 3-phase power is available.

HP	Nameplate RPM	Frame	Thermal Protection	Voltage	Full Load Amps	Service Factor	Ins. Class	Shaft Dia.	Shaft Length	Item No.
3-Phase, Totally Enclosed Fan-Cooled										
½	1,765	56	None	208-230/460V AC	1.30-1.30/0.60	1.25	F	¾ in	1 ¾ in	1EJR3
½	1,765	56	None	208-230/460V AC	2.1-1.90/1.00	1.25	F	¾ in	1 ¾ in	1EJR4
¾	1,745	56	None	208-230/460V AC	2.4-2.4/1.20	1.25	F	¾ in	1 ¾ in	1EJR5
1	1,755	143-5T/56HZT	None	230/460V AC	3.0/1.50	1.25	F	¾ in	2 ¾ in	35Z916
1½	1,755	143-5T/56HZT	None	230/460V AC	4.3/2.1	1.25	F	¾ in	2 ¾ in	35Z917
	1,745	56	Manual	208-230/460V AC	4.5-4.5/2.2	1.15	F	¾ in	1 ¾ in	48ZJ99
2	1,750	143-5T/56HZ	None	230/460V AC	5.7/2.8	1.25	F	¾ in	2 ¼ in	35Z918
3	1,765	182T	None	230/460V AC	7.8/3.9	1.15	F	1 ½ in	2 ¾ in	35Z919
5	1,755	184T	None	230/460V AC	12.5/6.2	1.15	F	1 ½ in	2 ¾ in	35Z920
7½	1,765	213T	None	230/460V AC	18.1/19.1	1.15	F	1 ¾ in	3 ½ in	35Z921
10	1,760	215T	None	230/460V AC	24.0/12.0	1.15	F	1 ¾ in	3 ½ in	35Z922



48ZJ99

marathon **Dayton** **LEESON**

1-Phase Auger Farm-Duty AC Motors

- Rotation: CW/CCW
- Thermal protection: manual
- Insulation: Class B
- Bearings: ball
- Max. ambient temp.: 40°C

Guard on rotary switch protects against high-speed back-drive condition. Mounting flange assemblies directly to gearbox on auger-drive systems. Capacitor-start models have shaft extensions beyond fan guard for hand cranking. Suitable as a replacement for Chore-Time, Cumberland, GSI, and other new and replacement OEM equipment.

HP	Nameplate RPM	Frame	Voltage	Hz	Full Load Amps	Service Factor	Mounting	Motor Shaft Design	Shaft Dia.	Brand	Mfr. Model	Item No.
Split-Phase, Totally Enclosed Nonventilated												
½	1,725	48NY	115/230V AC	60	5.3/2.7	1	Face	Keyed	¾ in	Marathon	5KH39QN9508Y	60WD45
	1,725	56YZ	115/230V AC	60/50	5.2/2.6	1	Face	Flat	½ in	Dayton	—	3K994
	1,725	56YZ	115/230V AC	60/50	5.2/2.6	1	Face/Base	Flat	½ in	Dayton	—	5K043
Capacitor-Start, Totally Enclosed Fan-Cooled												
½	1,725	56YZ	115/230V AC	60/50	8.0/4.0	1	Face	Flat	½ in	Dayton	—	3K995
	1,725	56YZ	115/230V AC	60/50	8.0/4.0	1	Face/Base	Flat	½ in	Dayton	—	5K044
¾	1,725	56YZ	115/230V AC	60/50	10.6/5.3	1	Face	Flat	½ in	Dayton	—	3K996
	1,725	56YZ	115/230V AC	60/50	10.6/5.3	1	Face/Base	Flat	½ in	Dayton	—	5K046
1	1,725	56C	115/208-230V AC	60/50	13.4/6.8-6.7	1.15	Rigid Base	Keyed	¾ in	Marathon	056C17F5914	21YZ248
	1,725	56Y	115/230V AC	60	12.8/6.4	1.15	Face/Base	Keyed	¾ in	Dayton	—	4K997
1½	1,725	56Y	115/230V AC	60	16.2/8.1	1.15	Face/Base	Keyed	¾ in	Dayton	—	4K998
Capacitor-Start/Run, Totally Enclosed Fan-Cooled												
¾	1,725	48Y	115/208-230V AC	60	10.8/5.3-5.4	1	Face	Keyed	½ in	Leeson	101119.00	60WC98
½	1,725	48Y	115/230V AC	60	6.2/3.1	1	Face	Keyed	½ in	Leeson	1011159.00	60WC96



5K043



3K995



60WC96

IMPORTANT MOTOR INFORMATION | Refer to pages 3-7 for selection guidelines, standardized dimensions, thermal protection information, UL 507 Standard location information, NEMA & IEC guidelines, energy legislation information, and terminology.