



FARM DUTY MOTORS

SINGLE PHASE

The "FARM DUTY" motors are specially designed for farm duty applications requiring high starting torque and moderate starting current. Some standard features such as V-ring slinger in both drive and opposite drive ends, reversible shaft rotation and start capacitors provide versatility for indoor and outdoor use. The manual overload protection available in all frames protects against extreme overloads, offering maximum operator safety.



APPLICATIONS

- Pumps
- Fans
- Conveyors
- Poultry equipment
- Air compressors
- Other farm machinery

STANDARD FEATURES

- Single-phase, 60Hz
- Voltage: 230V or 115/230V
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled - TEFC (IP55)
- V-ring slinger in both endshields
- Terminal box grounding
- Manual overload protection
- Ball bearings
- NEMA dimensions
- Insulation:
 - Class 'B', up to 143/5T
 - Class 'F', for frame W182/4T and up
- Service Factor: 1.15

- Steel plate frames: 56 up to 143/5T
- Cast iron frames: W182/4T up to 215T
- Continuous Duty (S1), 40°C ambient
- 1045 carbon steel shaft
- F1 mount
- Double shielded ball bearings
- Paint: Enamel alkyd resin base
- Color: RAL 3002 (Red)
- NPT threaded terminal box
- Drain plugs
- Rigid base
- Start Capacitor
- Start capacitor and run capacitor for 2HP and up
- High starting torque

OPTIONAL FEATURES

- Class "F" insulation (frames up to 143/5T)
- Class "H" insulation (frames W182/4T up to 215T)
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Flange mounting

Note: Please specify type of overload protection required when ordering.
All motors are tested according to IEEE 112 Std. – Method 'B' or C390 CSA.



APPROVED BY



E 104590

RIGID BASE – TEFC (IP55) – SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	Service Factor	FL Amps 230V	"C" Dimension (in.)	Voltage	Notes
1/3	1800	56	.3318ES1RFDB56	284	R1	23	1.15	3.00	11.496	115/230V	◆
1/2	1800	56	.5018ES1RFDB56	308	R1	25	1.15	3.70	11.496	115/230V	
3/4	1800	56	.7518ES1RFDB56	357	R1	28	1.15	5.50	11.496	115/230V	
1	1800	143T	00118ES1RFD143T	400	R1	35	1.15	7.50	13.674	115/230V	
	1800	56	00118ES1RFDD56	394	R1	36	1.15	7.50	12.677	115/230V	
1 1/2	1800	56	00158ES1RFDF56H	502	R1	51	1.15	9.00	13.858	115/230V	
	1800	145T	00158ES1RFD145T	504	R1	52	1.15	9.00	15.355	115/230V	
2	1800	145T	00218ES1RFD145T	578	R1	54	1.15	11.0	15.355	115/230V	
	1800	56	00218ES1RFDG56H	529	R1	55	1.15	11.0	14.252	115/230V	
	1800	W182/4T	00218ES1RFD182T	790	R1	75	1.15	10.0	17.240	115/230V	
3	1800	W182/4T	00318ES1DFD184T	915	R1	80	1.15	14.5	17.240	230V	
	1800	184T	00518ES1DFD184T	1,074	R1	157	1.15	21.0	17.050	230V	
5	1800	W213/5T	00518ES1DFD215T	1,205	R1	128	1.15	21.0	21.000	230V	
	1800	W213/5TZ	00518ES1DFD215Z	1,205	R1	128	1.15	21.0	21.000	230V	
	1800	215T	00718ES1DFD215T	1,463	R1	169	1.15	32.0	19.500	230V	
7.5	1800	215T	00718ES1DFD215Z	1,463	R1	169	1.15	32.0	19.500	230V	
	1800	215T	01018ES1DFD215T	1,692	R1	182	1.15	40.0	19.500	230V	

- ELECTRICAL FEATURES ON PAGE B-24.
- MECHANICAL FEATURES ON PAGE B-77.

◆ = Product may not be available from stock