

FRACTIONAL HP GENERAL PURPOSE



ODP

SINGLE PHASE

These motors have a wide range of applications. Because of their high starting torque, they are particularly well-suited for heavy starting loads.



TEFC

FRACTIONAL HP

GENERAL PURPOSE

NEMA PREMIUM EFFICIENCY

CRUSHER® DUTY

IEC TRU-METRIC™

PUMP MOTORS

DEFINITE PURPOSE

ADD-ON™ MODIFICATIONS

MOTOR TECHNICAL DATA

DRIVES & SOFT STARTERS

CONTROLS

APPLICATIONS

- Pumps
- Air Conditioning equipment
- Farm Equipment
- Conveyors
- Business machines
- Gear reducers
- Compressors
- Tools
- Fans and blowers
- Packaging equipment

STANDARD FEATURES

- Single-phase, II, IV or VI pole, 60Hz
- Voltage: 115/208-230V
- Squirrel cage rotor
- Start capacitor
- NEMA dimensions
- Class 'B' insulation (130°C)
- High starting torque
- Ball Bearings
- Open drip proof (ODP - IP21)
- Totally enclosed fan cooled (TEFC - IP55)
- Color: RAL 7022 (Dark Gray)
- Continuous Duty (S1), 40°C ambient
- V-ring slingers on both endshields (for TEFC only)
- Designed to operate in any position (for TEFC only)

OPTIONAL FEATURES

- Class 'F' insulation
- Flange mount
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Footless
- Other mounting configurations
- Manual or Automatic thermal overload protection





FRACTIONAL HP – GENERAL PURPOSE MOTORS

ODP – NEMA 48 & 56 FRAMES – SINGLE-PHASE MOTORS



RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/8	1800	48	.1218OS1BB48	201	F1B	17	1.40	1.60	9.409	115/208-230V	
	3600	48	.1636OS1BB48	216	F1B	17	1.35	1.60	9.409	115/208-230V	
1/6	1800	48	.1618OS1BB48	208	F1B	17	1.35	1.90	9.409	115/208-230V	
	1800	48	.1618OS1BSPB48	224	F1B	19	1.35	1.90	9.409	115/208-230V	†
1/4	3600	48	.2536OS1BB48	220	F1B	19	1.35	1.90	9.409	115/208-230V	
	3600	56	.2536OS1B56	220	F1B	19	1.35	1.90	9.764	115/208-230V	
	1800	48	.2518OS1BB48	209	F1B	19	1.35	2.40	9.409	115/208-230V	
	1800	48	.2518OS1BSPB48	240	F1B	20	1.35	2.40	9.409	115/208-230V	†
	1800	56	.2518OS1B56	209	F1B	19	1.35	2.40	9.764	115/208-230V	
1/3	3600	48	.3336OS1BC48	222	F1B	22	1.35	2.60	10.197	115/208-230V	
	3600	56	.3336OS1BC56	222	F1B	22	1.35	2.60	10.551	115/208-230V	
	1800	48	.3318OS1BC48	237	F1B	22	1.35	3.00	10.197	115/208-230V	
	1800	48	.3318OS1BSPC48	258	F1B	22	1.35	3.00	10.197	115/208-230V	†
1/2	1800	56	.3318OS1BC56	237	F1B	22	1.35	3.00	10.551	115/208-230V	
	3600	48	.5036OS1BC48	237	F1B	24	1.25	3.40	10.197	115/208-230V	
	3600	56	.5036OS1BC56	242	F1B	24	1.25	3.40	10.551	115/208-230V	
	1800	48	.5018OS1BC48	273	F1B	24	1.25	3.90	10.197	115/208-230V	
	1800	48	.5018OS1BSPC48	279	F1B	24	1.25	3.90	10.197	115/208-230V	†
3/4	1800	56	.5018OS1BC56	264	F1B	24	1.25	3.90	10.551	115/208-230V	
	3600	56	.7536OS1BB56	274	F1B	32	1.25	5.50	11.102	115/208-230V	
1	1800	56	.7518OS1BD56	328	F1B	36	1.25	5.50	12.283	115/208-230V	
	3600	56	00136OS1BD56	296	F1B	36	1.25	7.00	12.283	115/208-230V	
1 1/2	1800	56	00118OS1BD56	355	F1B	39	1.15	7.00	12.283	115/208-230V	
	3600	56	00156OS1BD56	333	F1B	40	1.15	9.00	12.283	115/208-230V	
2	1800	56	00158OS1BF56	438	F1B	51	1.15	10.5	13.464	115/208-230V	
	3600	56	00236OS1BF56	409	F1B	48	1.15	11.0	13.464	115/208-230V	
3	1800	56	00218OS1BG56	522	F1B	55	1.15	13.0	13.858	115/208-230V	
	3600	56	00336OS1BG56	475	F1B	53	1.15	15.0	13.858	115/208-230V	

- ELECTRICAL FEATURES ON PAGE B-2.
- MECHANICAL FEATURES ON PAGE B-50.



WITH AUTOMATIC OVERLOAD PROTECTION RESILIENT BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/3	1800	56	.3318OS1BRBOC56	288	F1B	22	1.15	3.00	10.551	115/208-230V	
1/2	1800	56	.5018OS1BRBOC56	316	F1B	24	1.15	3.90	10.551	115/208-230V	
3/4	1800	56	.7518OS1BRBOD56	379	F1B	36	1.15	5.50	12.283	115/208-230V	
1	1800	56	00118OS1BRBOD56	408	F1B	39	1.15	7.00	12.283	115/208-230V	
1 1/2	3600	56	00156OS1BRBOD56	386	F1B	40	1.15	9.00	12.283	115/208-230V	
	1800	56	00158OS1BRBOD56	491	F1B	51	1.15	10.5	13.464	115/208-230V	

- ELECTRICAL FEATURES ON PAGE B-2.
- MECHANICAL FEATURES ON PAGE B-51.

† = Split-Phase Motor

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RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/4	3600	56	.2536ES1BB56	257	F1	31	1.15	2.50	11.496	115/208-230V	
	1800	56	.2518ES1BB56	267	F1	33	1.15	2.30	11.496	115/208-230V	
1/3	3600	56	.3336ES1BB56	267	F1	36	1.15	2.80	11.496	115/208-230V	
	1800	56	.3318ES1BB56	283	F1	36	1.15	3.00	11.496	115/208-230V	
1/2	3600	56	.5036ES1BB56	284	F1	40	1.15	3.80	11.496	115/208-230V	
	1800	56	.5018ES1BB56	312	F1	41	1.15	3.85	11.496	115/208-230V	
	1200	56	.5012ES1BD56	512	F1	41	1.15	4.90	12.677	115/208-230V	
3/4	3600	56	.7536ES1BB56	297	F1	41	1.15	5.30	11.496	115/208-230V	
	1800	56	.7518ES1BB56	348	F1	46	1.15	5.60	11.496	115/208-230V	
	1200	56H	.7512ES1BF56	648	F1	58	1.15	5.20	13.858	115/208-230V	
1	3600	56	00136ES1BD56	376	F1	46	1.15	6.30	12.677	115/208-230V	
	1800	56	00118ES1BD56	401	F1	52	1.15	7.00	12.677	115/208-230V	
1 1/2	3600	56	00156ES1BD56	432	F1	56	1.15	8.50	12.677	115/208-230V	
	1800	56H	00158ES1BF56	456	F1	58	1.15	9.00	13.858	115/208-230V	
2	3600	56H	00236ES1BF56	561	F1	65	1.15	10.5	13.858	115/208-230V	

- ELECTRICAL FEATURES ON PAGE B-3.
- MECHANICAL FEATURES ON PAGE B-51.

WITH MANUAL OVERLOAD PROTECTION

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/2	3600	56	.5036ES1BOLB56	316	F1	40	1.15	3.80	11.496	115/208-230V	
3/4	3600	56	.7536ES1BOLB56	329	F1	41	1.15	5.30	11.496	115/208-230V	
1	3600	56	00136ES1BOLD56	408	F1	46	1.15	6.30	12.677	115/208-230V	
1 1/2	3600	56	00156ES1BOLD56	463	F1	56	1.15	8.50	12.677	115/208-230V	
2	3600	56H	00236ES1BOLF56	592	F1	65	1.15	10.5	13.858	115/208-230V	

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