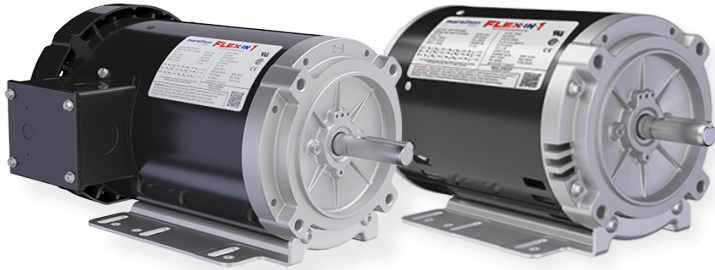




# FLEX-IN-1™ GENERAL PURPOSE MOTORS

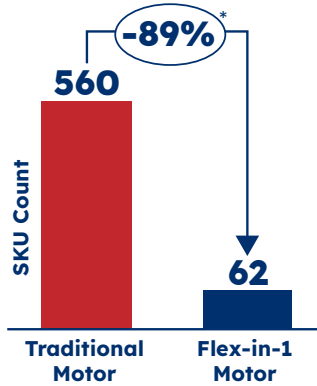
MARCH, 2023 | NORTH AMERICA



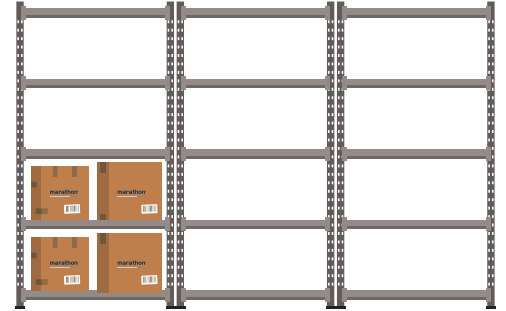


## EASY CONFIGURATION, MORE STORAGE SPACE AND READILY AVAILABLE INVENTORY ON-THE-SHELF

### Traditional Motor Offering



### Flex-in-1™ Motor Offering



\*When compared to stocking traditional general purpose motor inventory. Actual inventory SKU's and carrying cost savings may vary based on individual stocking needs.

## ONE FLEX-IN-1 MOTOR REPLACES 18 GENERAL PURPOSE MOTORS

- Just one motor meets multiple application needs
- Improve service levels by increasing motor availability
- Reduce your inventory carrying costs by as much as 84%\*\* by stocking fewer SKU's
- Allows for fully stocked inventory with less shelf space
- Simpler motor selection process for both you and your customer

Out-of-the-box motor with provisions for:

- Adding SGR (Shaft Grounding Ring)
- Adding Brake
- Adding Drip Cover (ODP)
- Adding Lint Guard (TEFC)

Note: Kits sold separately.

\*\*When compared to stocking traditional general purpose motor inventory. Actual inventory costs may vary based on individual stocking needs

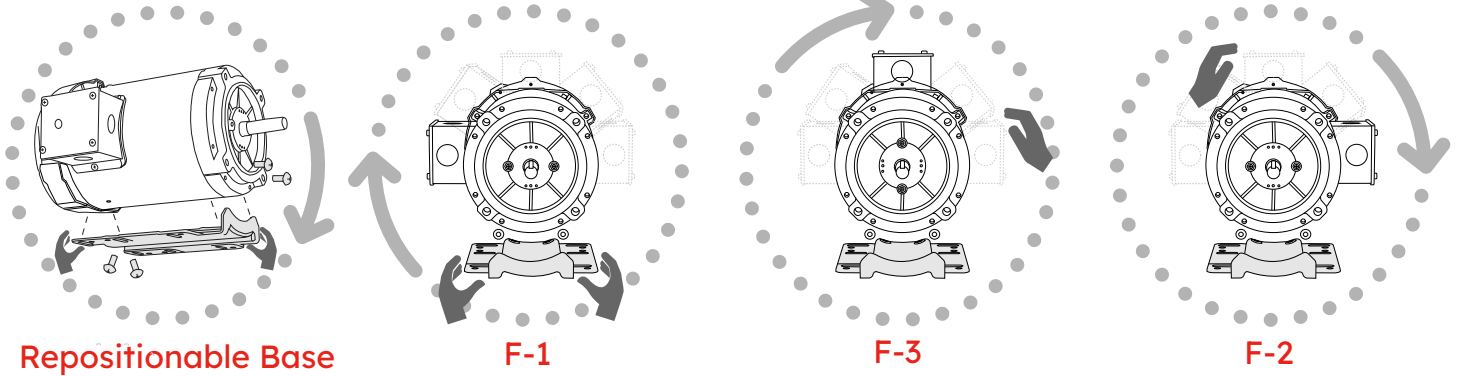
## ONE FLEX-IN-1 MOTOR REPLACES THESE 18 MOTOR MODELS:

Hertz	Mounting	Conduit Box Location
60	RIGID	F-1
60	RIGID	F-2
60	RIGID	F-3
50	RIGID	F-1
50	RIGID	F-2
50	RIGID	F-3
60	C-FACE ROUND	F-1
60	C-FACE ROUND	F-2
60	C-FACE ROUND	F-3
50	C-FACE ROUND	F-1
50	C-FACE ROUND	F-2
50	C-FACE ROUND	F-3
60	C-FACE W/FEET	F-1
60	C-FACE W/FEET	F-2
60	C-FACE W/FEET	F-3
50	C-FACE W/FEET	F-1
50	C-FACE W/FEET	F-2
50	C-FACE W/FEET	F-3



# CONFIGURABLE OPTIONS

1 MOTOR WITH 3 MOUNTING OPTIONS “OUT-OF-THE-BOX”



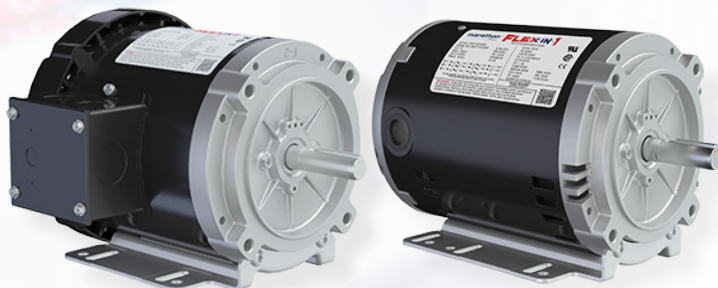
## IT'S NOT YOUR ORDINARY MOTOR

- No need to order separate motors to meet your F-1, F-2 and F-3 needs
- The patent-pending\* Flex-in-1™ motor is easily configured into three mounting styles
- Three different conduit box location options in the same motor all by rotating the base around the diameter of the motor frame

## THE FLEXIBILITY OF THREE MOUNTING OPTIONS:

- Rigid
- Rigid “C” (standard)
- C-face (round body)

\*U.S. Patent Application Number: 17/098,022



## SPECIFICATIONS:

- ODP & TEFC enclosures
- Inverter duty capable
  - 10:1 CT for TEFC
  - 2:1 CT for DP
- Patent-pending\* multi-mount repositionable base & C-Face saves time during installation and offers flexibility in off-the-shelf solutions
- Mounting holes in frame and C-Face (at 90° increments) allows F-1/F-2/F-3 conduit box locations
- 180° rotatable conduit box -
  - with 360° lead access through 7/8” & 1-1/8” knockouts
- Combination mounting holes in base
  - 56C/143TC - Shorter base option
  - 56C/56HC/143TC/145TC - Longer base option
- Double-sealed bearings offer longer life and less down time
- 3 Phase
- Class F insulation
- 56 Frame
- C-Face mounting
- Removable base
- Repositionable base



# PURPOSEFUL INNOVATION

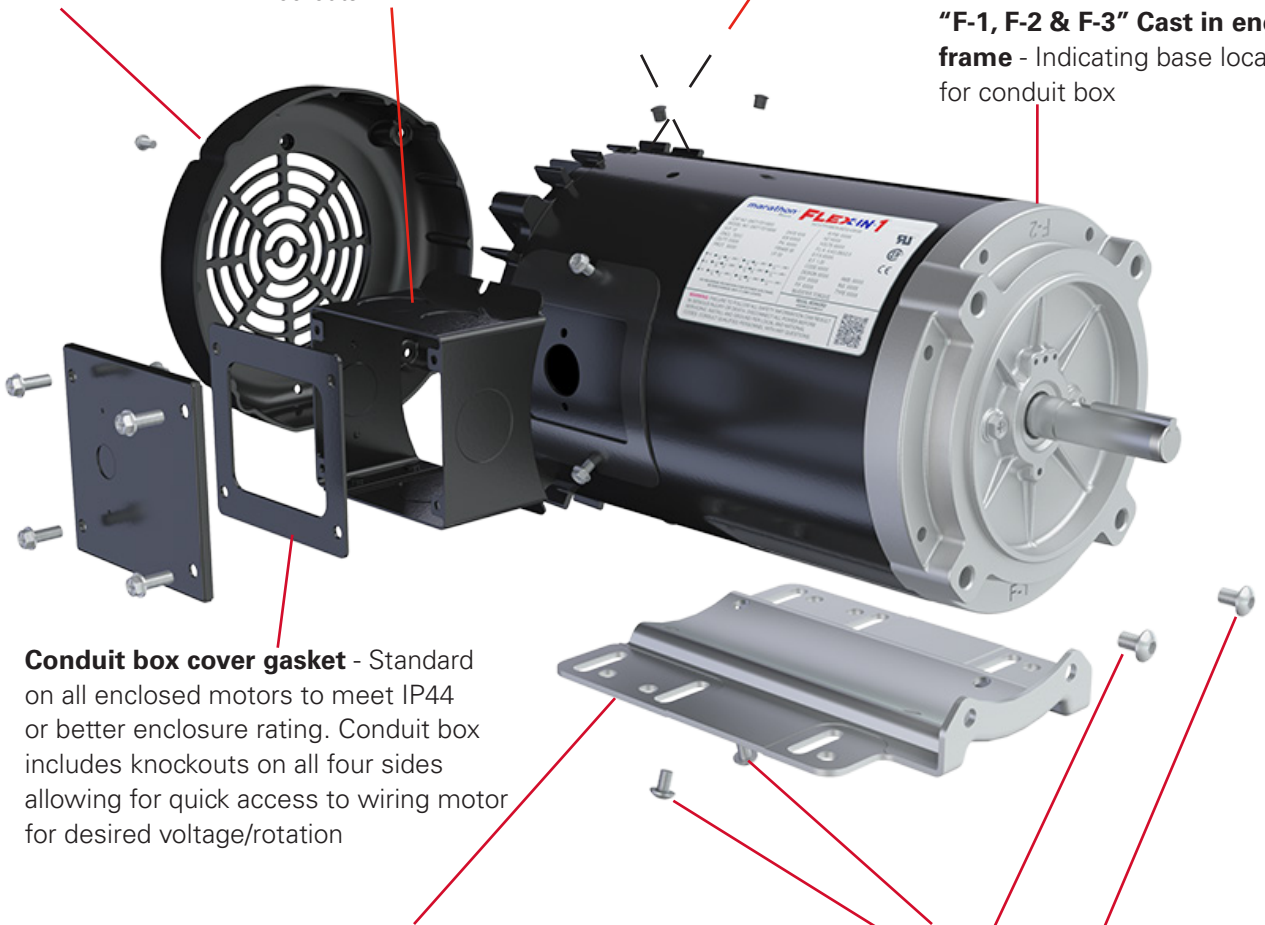
**It's All In The Details** - The patent-pending Flex-in-1™ motor was designed with innovation and purpose in mind. From the rotatable fan guard and conduit box, to the removable base each detail was created with intent.

**Fan guard** - Rotatable in 90° increments so flat can be positioned in-line with base if base is repositioned for F-2 or F-3 conduit box

**Conduit box** - with 360° lead access through - 7/8" & 1-1/8" knockouts

**Hole plugs** - In main frame for repositioning base for NEMA® F-2 & F-3 conduit box locations

**"F-1, F-2 & F-3" Cast in end frame** - Indicating base location for conduit box



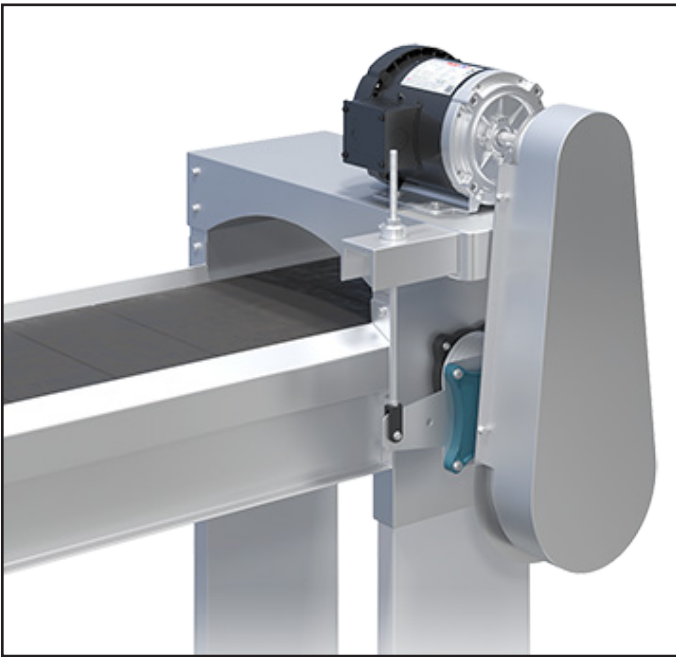
**Conduit box cover gasket** - Standard on all enclosed motors to meet IP44 or better enclosure rating. Conduit box includes knockouts on all four sides allowing for quick access to wiring motor for desired voltage/rotation

**Patent-pending repositionable combination base** - Holes and slots for NEMA 56, 56H, 143T and 145T mounting can be rotated for NEMA F-2 or F-3 conduit box locations (F-1 standard factory conduit box location)

**Base to main frame and end frame mounting screws** - For repositioning base for NEMA F-2 or F-3 conduit box locations

# ONE MOTOR WITH MULTIPLE MOUNTING OPTIONS “OUT-OF-THE-BOX”

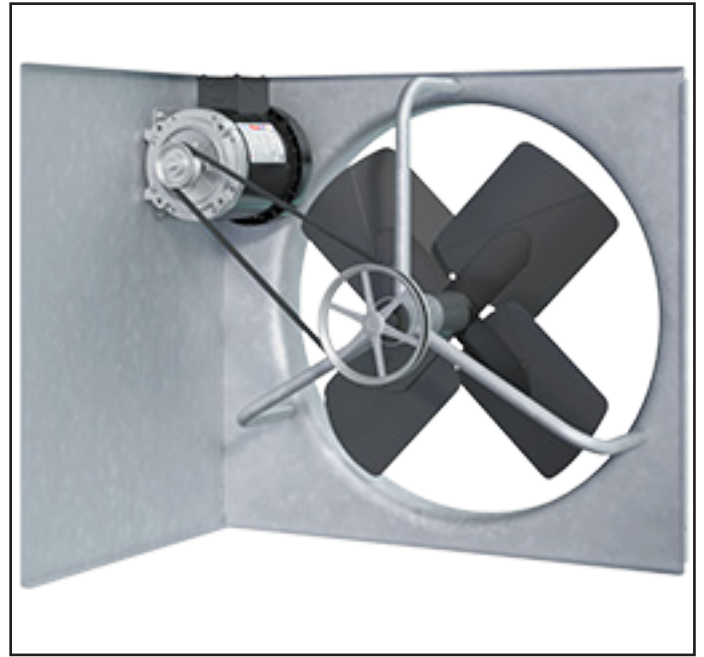
The Flex-in-1™ motor is designed specifically to be used in multiple applications. Simply remove the base if not needed, and rotate the conduit box around the diameter of the motor into the F-1, F-2, or F-3 mounting positions.



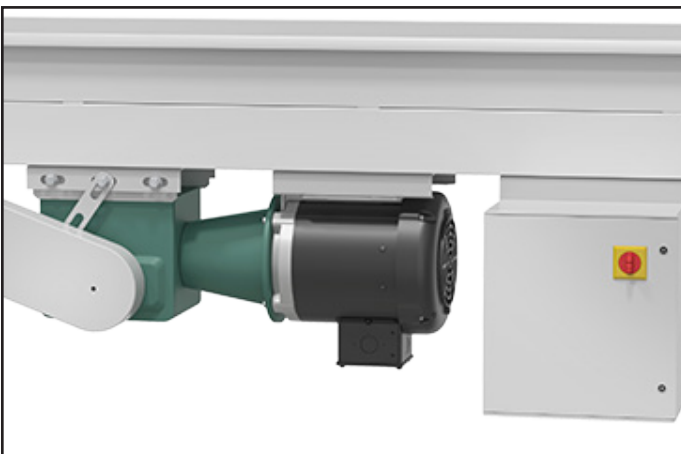
Flex-in-1 motor mounted on conveyor with the conduit box in the F-3 position.

Combination mounting holes in the motor base:

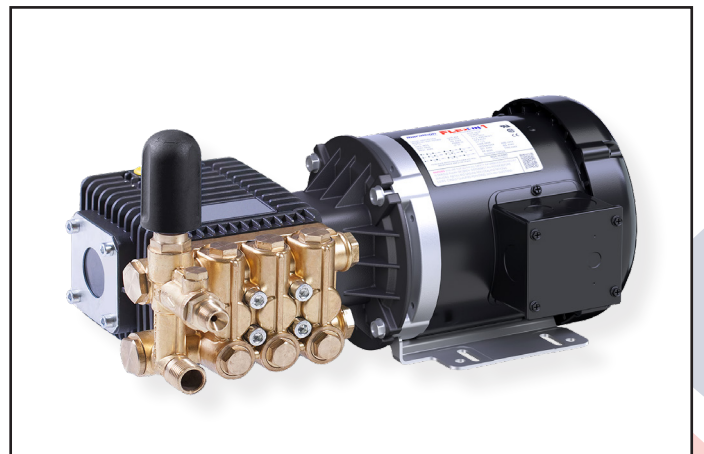
- 56C/143TC - Shorter Base
- 56C/56H/143TC/145TC - Longer Base



Flex-in-1 motor mounted on blower with the conduit box in the F-1 position.



Flex-in-1 motor mounted with the conduit box in the F-3 position.



Flex-in-1 motor mounted on a pump with the conduit box in the F-2 position.

# MOTOR OPTIONS

## 3 PHASE- C-FACE WITH BASE

### TOTALLY ENCLOSED FAN COOLED



New Flex-in-1™ Model Number	New Flex-in-1 Catalog Number	HP	RPM	Voltage	Frame	Enclosure	F.L. Amps	APP. WGT. (lbs)	Length (inches)
056T34F15665	FX13BK002	0.33	3600	208-230/460	56C	TE	1.8-1.8/.9&1.85/.92	21	10.80
056T17F15949	FX13BK004	0.33	1800	208-230/460	56C	TE	1.8-1.6/.8&1.6/.8	20	10.55
056T11F15539	FX13BK006	0.33	1200	208-230/460	56C	TE	1.9-2.2/1.1&2.4/1.2	20	10.55
056T34F15667	FX12BK002	0.5	3600	208-230/460	56C	TE	2-2.2/1.1&2.2/1.1	21	10.80
056T17F15948	FX12BK004	0.5	1800	208-230/460	56C	TE	2.3-2.4/1.2&2.2/1.1	24	11.05
056T11F15540	FX12BK006	0.5	1200	208-230/460	56C	TE	1.95-2.1/1.05&2.2/1.1	25	11.05
056T34F15669	FX34BK002	0.75	3600	208-230/460	56C	TE	3-3.2/1.6&3/1.5	23	10.80
056T17F15950	FX34BK004	0.75	1800	208-230/460	56C	TE	2.9-3/1.5&3/1.5	24	11.05
056T11F15542	FX34BK006	0.75	1200	208-230/460	56HC	TE	3.1-3.25/1.6&3.5/1.75	32	12.05
056T34F15680	FX01BK002	1	3600	208-230/460	56C	TE	3-3/1.5&3.2/1.6	26	11.30
056T17F15951	FX01BK004	1	1800	208-230/460	56HC	TE	3.10-3.13/1.55&3.6/1.8	42	13.05
056T11F15544	FX01BK006	1	1200	208-230/460	56HC	TE	3.8-3.8/1.9&4.2/2.1	48	13.80
056T34F15671	FX32BK002	1.5	3600	208-230/460	56HC	TE	4/2&4.6/2.3	37	12.30
056T17F15954	FX32BK004	1.5	1800	208-230/460	56HC	TE	4.7-4.6/2.3&5.4/2.7	45	13.30
056T34F15673	FX02BK002	2	3600	208-230/460	56HC	TE	5.6-5/2.5&6/3	46	13.55
056T17F15953	FX02BK004	2	1800	208-230/460	56HC	TE	6.2-6/3&6.8/3.4	48	13.80
056T34F15675	FX03BK002	3	3600	208-230/460	56HC	TE	8.2-7.6/3.8&9/4.5	45	13.30
056T34F15676	FX03FK001	3	3600	575	56HC	TE	3.05	45	13.30
056T34F15666	FX13FK001	0.33	3600	575	56C	TE	.7	21	10.80
056T17F15943	FX13FK002	0.33	1800	575	56C	TE	.64	20	10.55
056T34F15668	FX12FK001	0.5	3600	575	56C	TE	.9	21	10.80
056T17F15944	FX12FK003	0.5	1800	575	56C	TE	.95	24	11.05
056T11F15541	FX12FK004	0.5	1200	575	56C	TE	0.84	25	11.05
056T34F15670	FX34FK001	0.75	3600	575	56C	TE	1.3	23	10.80
056T17F15945	FX34FK003	0.75	1800	575	56C	TE	1.2	24	11.05
056T11F15543	FX34FK004	0.75	1200	575	56HC	TE	1.40	32	12.05
056T34F15679	FX01FK002	1	3600	575	56C	TE	1.1	23	10.80
056T17F15952	FX01FK004	1	1800	575	56HC	TE	1.3	42	13.05
056T34F15672	FX32FK001	1.5	3600	575	56HC	TE	1.6	37	12.30
056T17F15946	FX32FK003	1.5	1800	575	56HC	TE	1.85	45	13.30
056T34F15674	FX02FK002	2	3600	575	56HC	TE	2	46	13.55
056T17F15947	FX02FK004	2	1800	575	56HC	TE	2.4	48	13.80



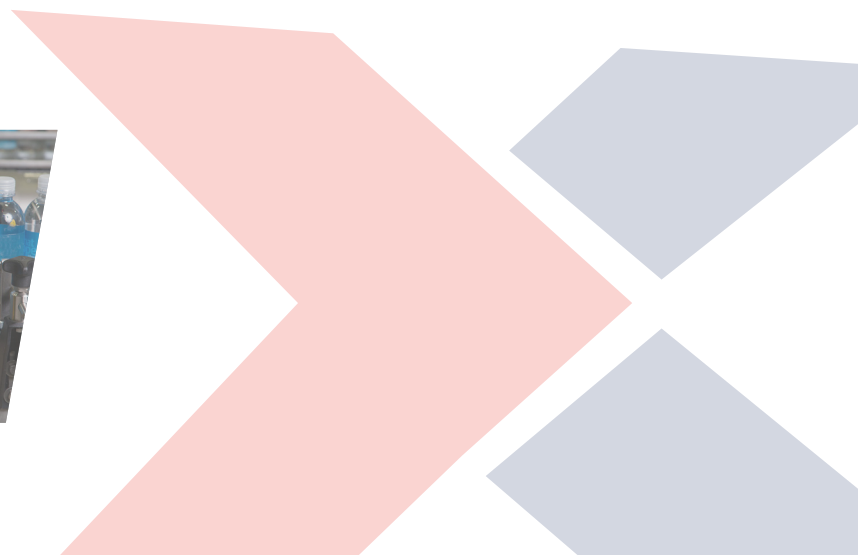
# MOTOR OPTIONS

## 3 PHASE- C-FACE WITH BASE

### OPEN DRIP PROOF



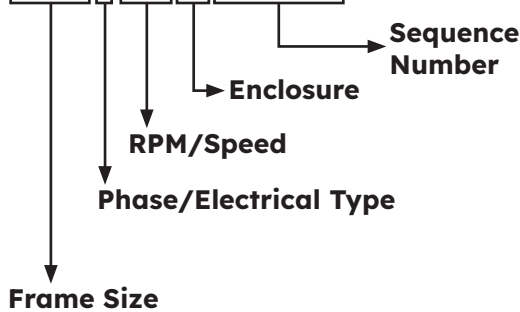
New Flex-in-1™ Model Number	New Flex-in-1 Catalog Number	HP	RPM	Voltage	Frame	Enclosure	F.L. Amps	APP. WGT. (lbs)	Length (inches)
056T34D15643	FX13BK001	0.33	3600	208-230/460	56C	DP	1.5-1.5/.75&1.6/1.8	20	10.78
056T17D15843	FX13BK003	0.33	1800	208-230/460	56C	DP	1.15-1.2/.61&1.3/.66	25	11.03
056T11D15532	FX13BK005	0.33	1200	208-230/460	56C	DP	1.2-1.4/.7&1.6/.8	29	11.78
056T34D15644	FX12BK001	0.5	3600	208-230/460	56C	DP	1.96-2.0/1.0&2/1	20	10.78
056T17D15844	FX12BK003	0.5	1800	208-230/460	56C	DP	1.8/.9&1.6/.8	27	11.53
056T11D15533	FX12BK005	0.5	1200	208-230/460	56HC	DP	2.1-2.2/1.1&3/1.5	30	12.03
056T34D15645	FX34BK001	0.75	3600	208-230/460	56C	DP	2.5-2.6/1.3&2.6/1.3	23	11.03
056T17D99082	FX34BK003	0.75	1800	208-230/460	56HC	DP	2.6/1.3&2.2/1.1	30	12.03
056T11D15534	FX34BK005	0.75	1200	208-230/460	56HC	DP	2.75-2.8/1.4&2.4/1.2	44	13.78
056T34D15646	FX01BK001	1	3600	208-230/460	56HC	DP	3-2.8/1.4&3.2/1.6	23	11.03
056T17D99083	FX01BK003	1	1800	208-230/460	56HC	DP	3.1-3.2/1.6&2.6/1.3	36	12.53
056T11D15535	FX01BK005	1	1200	208-230/460	56HC	DP	3.5-3.4/6.8&3.9/7.8	48	14.28
056T34D15648	FX32BK001	1.5	3600	208-230/460	56HC	DP	4-3.8/1.9&4.4/2.2	40	13.03
056T17D15850	FX32BK003	1.5	1800	208-230/460	56HC	DP	4.4/2.2&5/2.5	44	13.78
056T34D15650	FX02BK001	2	3600	208-230/460	56HC	DP	5.5-5.4/2.7&6.2/3.1	43	12.28
056T17D15851	FX02BK003	2	1800	208-230/460	56HC	DP	6.2-6/3&6.6/3.3	46	14.03
056T34D15652	FX03BK001	3	3600	208-230/460	56HC	DP	8.2-7.6/3.8&8.8/4.4	43	13.28
056T17D15852	FX03BK003	3	1800	208-230/460	56HC	DP	--	49	--
056T17D15845	FX12FK002	0.5	1800	575	56C	DP	0.7	27	11.53
056T17D15846	FX34FK002	0.75	1800	575	56HC	DP	1.1	30	12.03
056T34D15647	FX01FK001	1	3600	575	56HC	DP	1.1	23	11.03
056T17D15847	FX01FK003	1	1800	575	56HC	DP	1.3	36	12.53
056T17D15848	FX32FK002	1.5	1800	575	56HC	DP	1.75	44	13.78
056T34D15651	FX02FK001	2	3600	575	56HC	DP	2.2	43	12.28
056T17D15849	FX02FK003	2	1800	575	56HC	DP	2.4	46	14.03





## FLEX-IN-1™ Model Number Nomenclature

056T34D15643



### Frame Size

048	48
056	56
140	140
180	180
210	210
250	250

### Phase/Electrical Type

C	Cap Start
K	Cap Start/Run
P	Permanent Split
S	Split Phase
T	Three Phase

### RPM/Speed

34	3600
17	1800
11	1200

### Enclosure

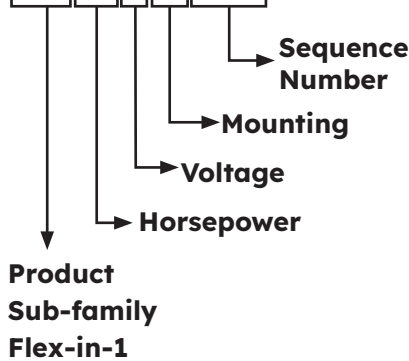
D	Drip Proof
F	Fan Cooled

### Sequence Number

Number assigned as required when new designs with new characteristics are needed

## FLEX-IN-1 Catalog Number Nomenclature

FX13BK001



### Horsepower

13	1/3
12	1/2
34	3/4
1	1
32	1 1/2
02	2
03	3
05	5
07	7.5
10	10
15	15
20	20

### Voltage

A	115/208-230
B	208-230/460
C	115
D	230
E	460
F	575

### Mounting

- B = Rigid base standard
- C = "C" Face - no base - NEMA®
- D = "D" Flange - no base - NEMA
- H = 48 frame - 56 frame mounting shaft rigid
- J = 48 frame - 56 frame mounting shaft resilient
- K = Repositionable base with "C" flange
- M = Motor parts - rotor and stator
- R = Resilient base
- S = Shell motor
- T = Round body
- Z = Special mounting

### Sequence Number

Number assigned as required when new designs with new characteristics are needed



### Commercial Systems Regal Rexnord

U.S. Customer Service: 262-377-8810  
Canada Customer Service: 905-670-4770

[regalrexnord.com](http://regalrexnord.com)



Scan to learn more  
about Flex-in-1 Motors

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