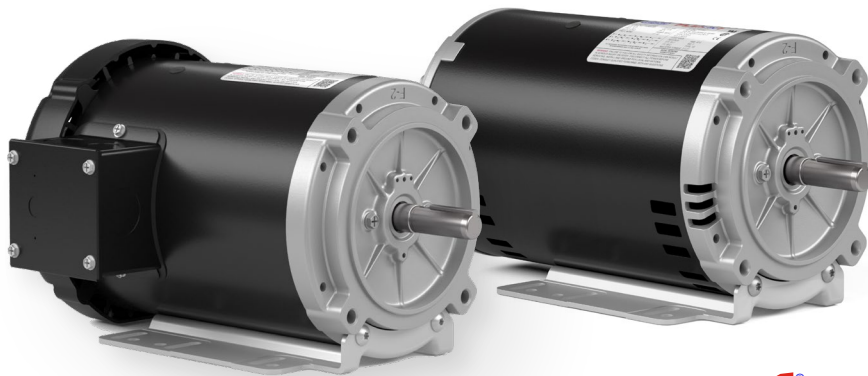




# FLEX-IN-1® GENERAL PURPOSE MOTORS



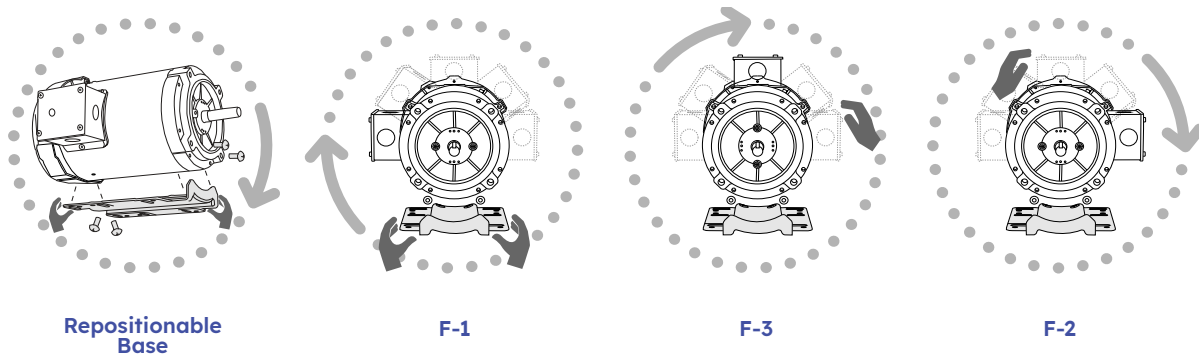
**FLEX-IN-1**

**RegalRexnord**

# ONE MOTOR, MULTIPLE MOUNTING OPTIONS, ULTIMATE FLEXIBILITY

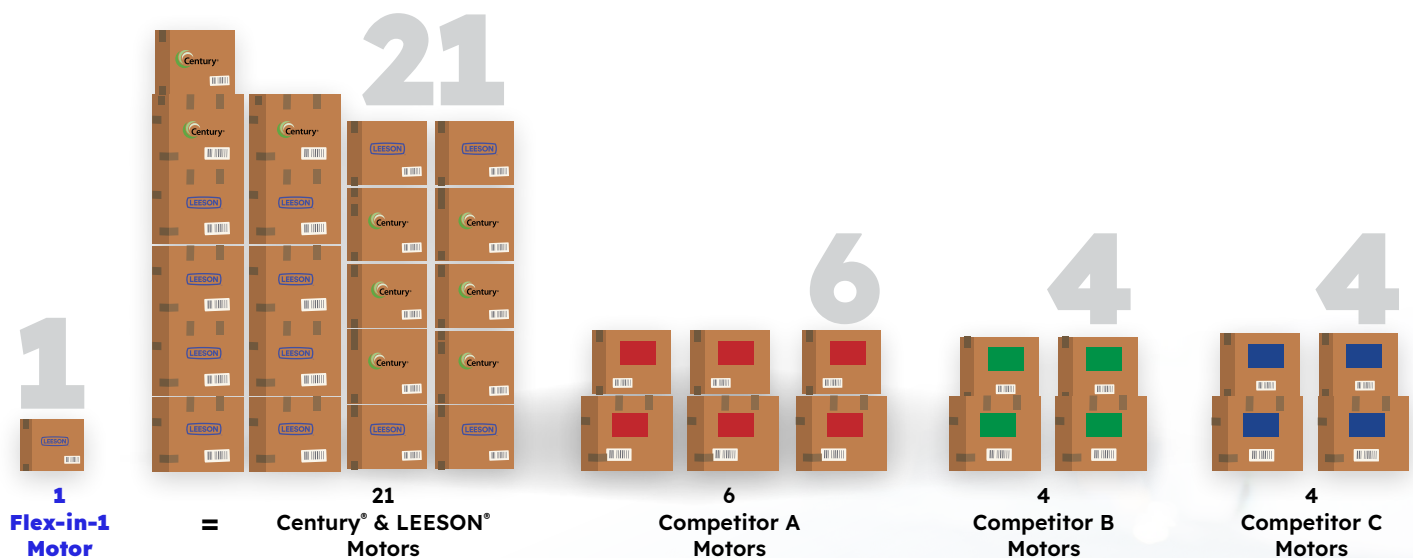
## DECREASE DOWNTIME, MINIMIZE COSTS:

The only NEMA®\* rolled steel motor design with a patented multi-mount, repositionable bolt-on base and C-Face that allows for rapid reconfiguration vs. a traditional general purpose motor - generating cost savings of up to 92%\*\* when reconfiguration is needed.



## SIMPLIFY INVENTORY, MAXIMIZE AVAILABILITY AND HAVE PEACE OF MIND:

The F-1 conduit box position can be reconfigured into the F-2 or F-3 positions in as little as 5 minutes. This means that one Flex-in-1 motor can replace up to 35 motors, allowing you to simplify your stock and ensure you have the right motor when you need it.



# SIMPLIFY INVENTORY

\*Attribution statement appears on last page.

\*\*Cost savings due to motor reconfiguration may vary. 92% savings is calculated based on hours of downtime saved, eliminated phone calls, eliminated expedited freight and eliminated motor modification time when compared to reconfiguring a traditional general purpose motor. See back page for more details.

## IT'S NOT YOUR ORDINARY MOTOR

- No need to order separate motors to meet your F - 1, F - 2 and F - 3 needs
- The patented 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)

## ONE FLEX-IN-1 MOTOR

## EQUATES TO THESE 18 MOTOR COMBINATIONS:

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

## SPECIFICATIONS:

- ODP & TEFC enclosures
- Inverter duty capable
  - » 10:1 CT for TEFC
  - » 2:1 CT for DP
- Double-sealed bearings offer longer life and less down time
- Knockouts on all four sides for 360° conduit box entry
- 1/3 through 3 HP available
- 60/50 Hertz
  - » 60 hertz at full rated HP with 1.15 S.F.
  - » 50 hertz at full rated HP with 1.0 S.F.
- Mounting holes in frame and C-Face (at 90° increments) allows F-1/F-2/F-3 conduit box locations
- Combination mounting holes in base
  - » 56/143T - Short motor base option
  - » 56/56H/143T/145T - Long motor base option
- Class F insulation
- 3 Phase
- Locked drive end bearing makes motor suitable for all-angle mounting

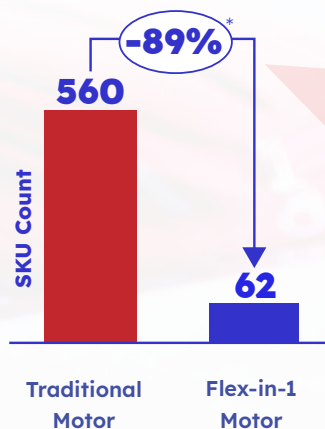
### Out-of-the-box motor with provisions for:

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

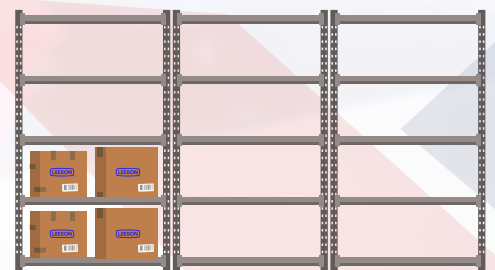
**Note:** Kits sold separately

# MINIMIZE INVENTORY MAXIMIZE AVAILABILITY

### 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.

# PURPOSEFUL INNOVATION

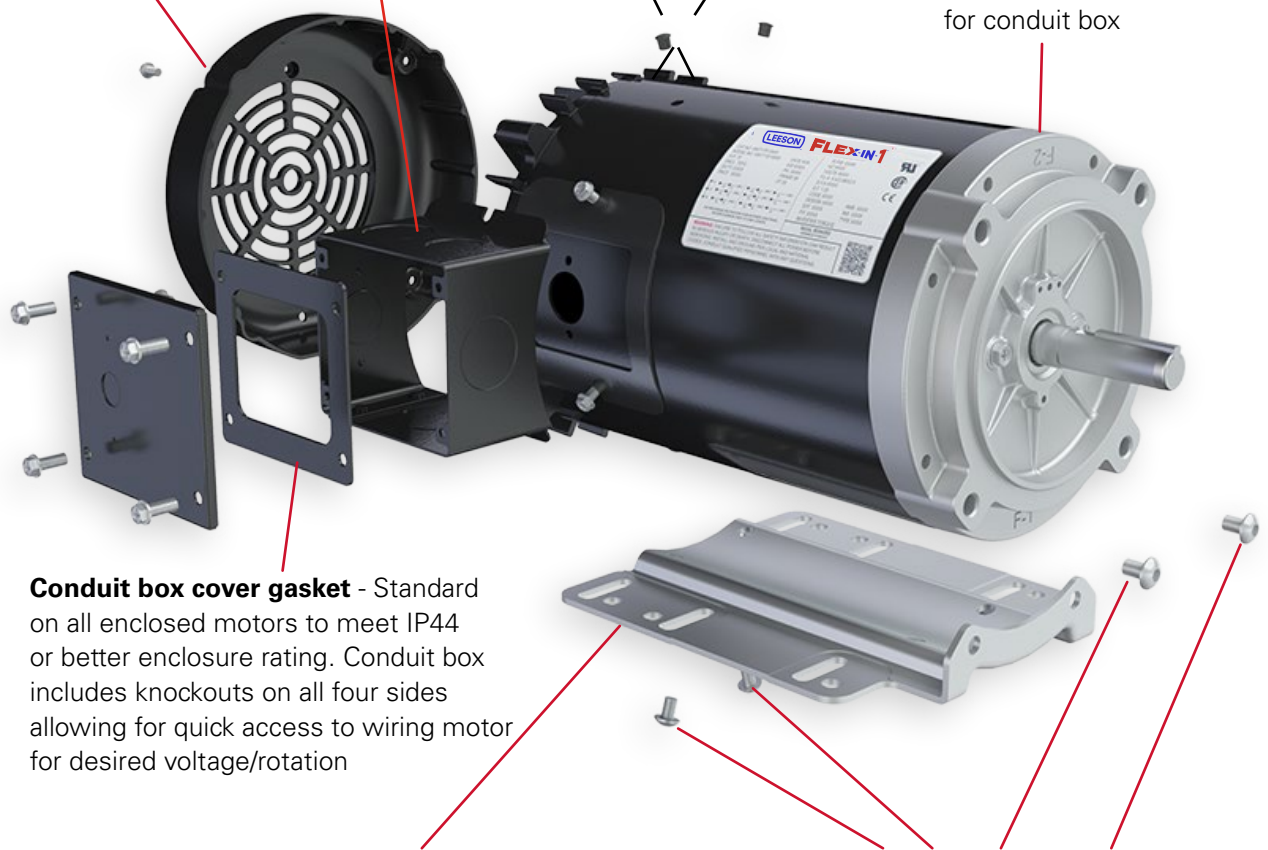
**It's All In The Details** - The patented Flex-in-1® motor was designed with innovation and purpose in mind. From the rotatable fan guard and conduit box, to the removable base each detail was created with intent.

**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

**Patented 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

# RAPID RECONFIGURATION RESULTS IN SUBSTANTIAL SAVINGS

## DOWNTIME SAVINGS ACHIEVED WHEN MOTOR RECONFIGURATION IS NECESSARY\*

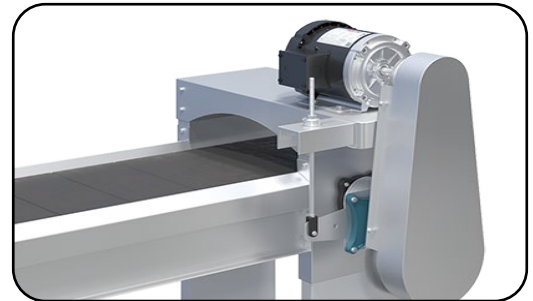
Reconfigure traditional general purpose motor with standard F-1 conduit box location to alternate location

SCENARIO 1	Per Line
<b>Modifiable Motor</b>	
Cost of support phone call (\$50 per hour support time 15 min)	\$12.50
Downtime cost to modify (\$500 per min., modification time 60 min)	\$30,000.00
<b>Total cost to reconfigure traditional general purpose motor</b>	<b>\$30,012.50</b>
<b>Flex-in-1<sup>®</sup> Motor</b>	
Cost of support phone call	\$0.00
Downtime cost to modify \$500 per min., downtime 5 min)	\$2,500.00
<b>Total cost to modify a Flex-in-1 motor</b>	<b>\$2,500.00</b>
<b>Flex-in-1 Total Cost Savings</b>	<b>\$27,512.50</b>

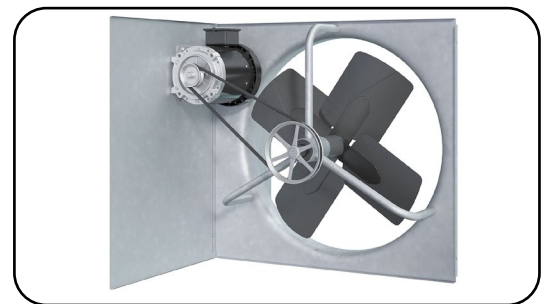
SCENARIO 2	Per Line
<b>Non-modifiable Motor</b>	
Cost of support phone call (\$50 per hour, support time 120 min)	\$100.00
Cost of downtime (\$500 per min. Downtime 24+ hours)	\$720,000.00
Expedited freight (based on average motor weight of 35 lbs)	\$165.00
<b>Total cost to reconfigure standard F-1 conduit to alternate location</b>	<b>\$720,265.00</b>
<b>Flex-in-1 Motor</b>	
Cost of support phone call	\$0.00
Downtime cost to modify (\$500 per min., downtime 5 minutes)	\$2,500.00
Expedited freight	\$0.00
<b>Total cost to modify a Flex-in-1 motor</b>	<b>\$2,500.00</b>
<b>Flex-in-1 Total Cost Savings</b>	<b>\$717,765.00</b>

**92%**  
COST SAVINGS\*

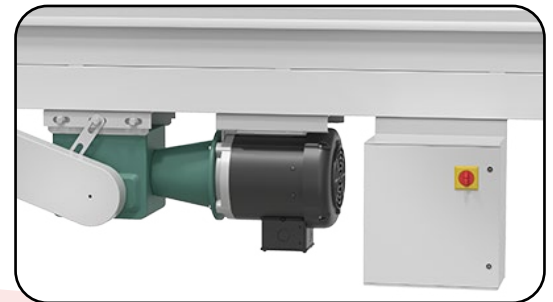
**99%+**  
COST SAVINGS\*



Conduit box in F-1 position



Conduit box in F-3 position



Conduit box in F-3 position



Conduit box in F-2 position

\* Cost and time figures provided are good faith estimates of Regal Rexnord staff familiar with the products and their applications. Estimated costs and times listed below may not be applicable in some applications and actual costs and times may vary substantially from these estimates, depending on the skill of the installer and the actual operation.

# 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

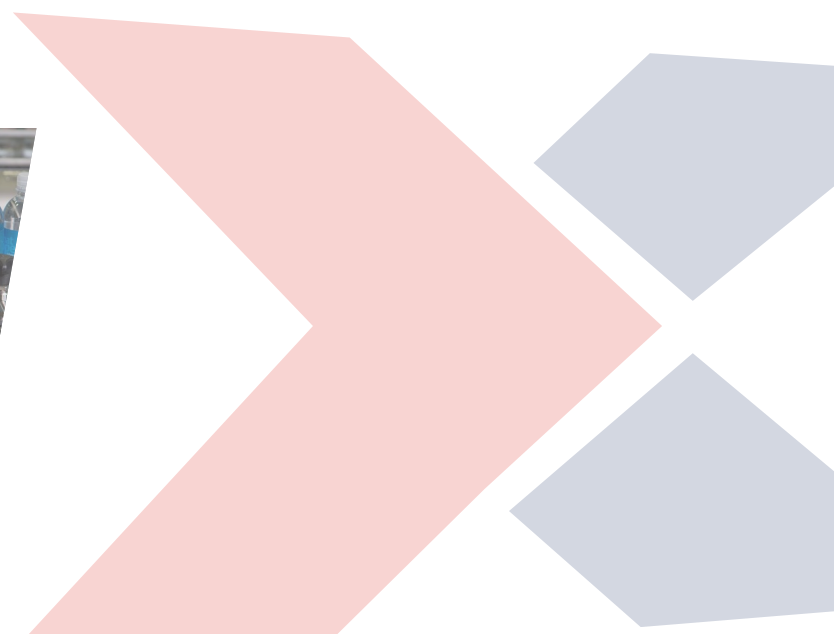


# MOTOR OPTIONS

3 PHASE- C-FACE WITH BASE  
OPEN DRIP PROOF

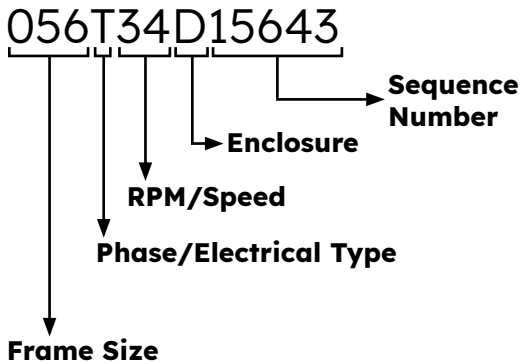


New Flex-in-1™ Model Number	New Flex-in-1 Catalog Number	HP	RPM	Voltage	Frame	Enclosure	F.L. Amps	APP. WGT. (lbs)	Length (inches)
056T34D15643	FX13BK001	0.33	3600	208-230/460	56C	DP	1.5-1.5/.75&1.6/.8	20	10.78
056T17D15843	FX13BK003	0.33	1800	208-230/460	56C	DP	1.15-1.2/.61&1.3/.66	25	11.03
056T11D15532	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





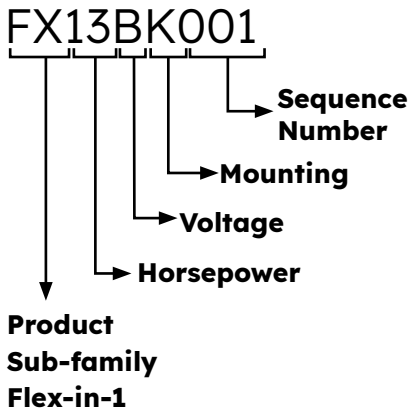
## FLEX-IN-1® Model Number Nomenclature



Frame Size		Phase/Electrical Type		RPM/Speed	
048	48	C	Cap Start	34	3600
056	56	K	Cap Start/Run	17	1800
140	140	P	Permanent Split	11	1200
180	180	S	Split Phase		
210	210	T	Three Phase		
250	250				

Enclosure		Sequence Number	
D	Drip Proof	Number assigned as required when new designs with new characteristics are needed.	
F	Fan Cooled		

## FLEX-IN-1 Catalog Number Nomenclature



Horsepower		Voltage		Mounting	
13	1/3	A	115/208-230	B	= Rigid base standard
12	1/2	B	208-230/460	C	= "C" Face-no base-NEMA®*
34	3/4	C	115	D	= "D" Flange-no base-NEMA
1	1	D	230	H	= 48 Frame-56 frame mounting shaft rigid
32	1 1/2	E	460	J	= 48 Frame-56 frame mounting shaft resilient
02	2	F	575	K	= Repositionable base with "C" flange
03	3			M	= Motor parts-rotor and stator
05	5			R	= Resilient base
07	7 1/2			S	= Shell motor
10	10			T	= Round body
15	15			Z	= Special mounting
20	20				

### Sequence Number

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



### Regal Rexnord

Contact us: 1-262-377-8810

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

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Scan to learn more about Flex-in-1 Motors

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