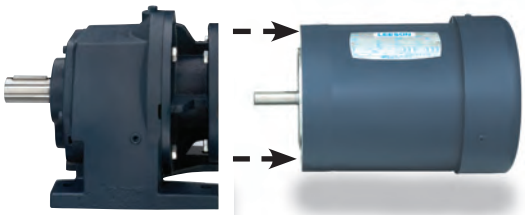
"HOW TO USE" QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE

GROVE GEAR



How To Use Quick Selections

Maximum Rating Tables for Cast Iron Double, Triple and Quad Reduction Gear Reducers start on page 429. Aluminum maximum rating tables start on page 40.Selection of the appropriate gear reducer can be made using those tables or the Quick Selections on the following pages.

BEFORE YOU START:

Identify the Service Factor of the application.

Determine the actual input horsepower of the motor by multiplying the motor's nameplate horsepower by the Service Factor.

Determine the output speed (RPM) required at output shaft of reducer.

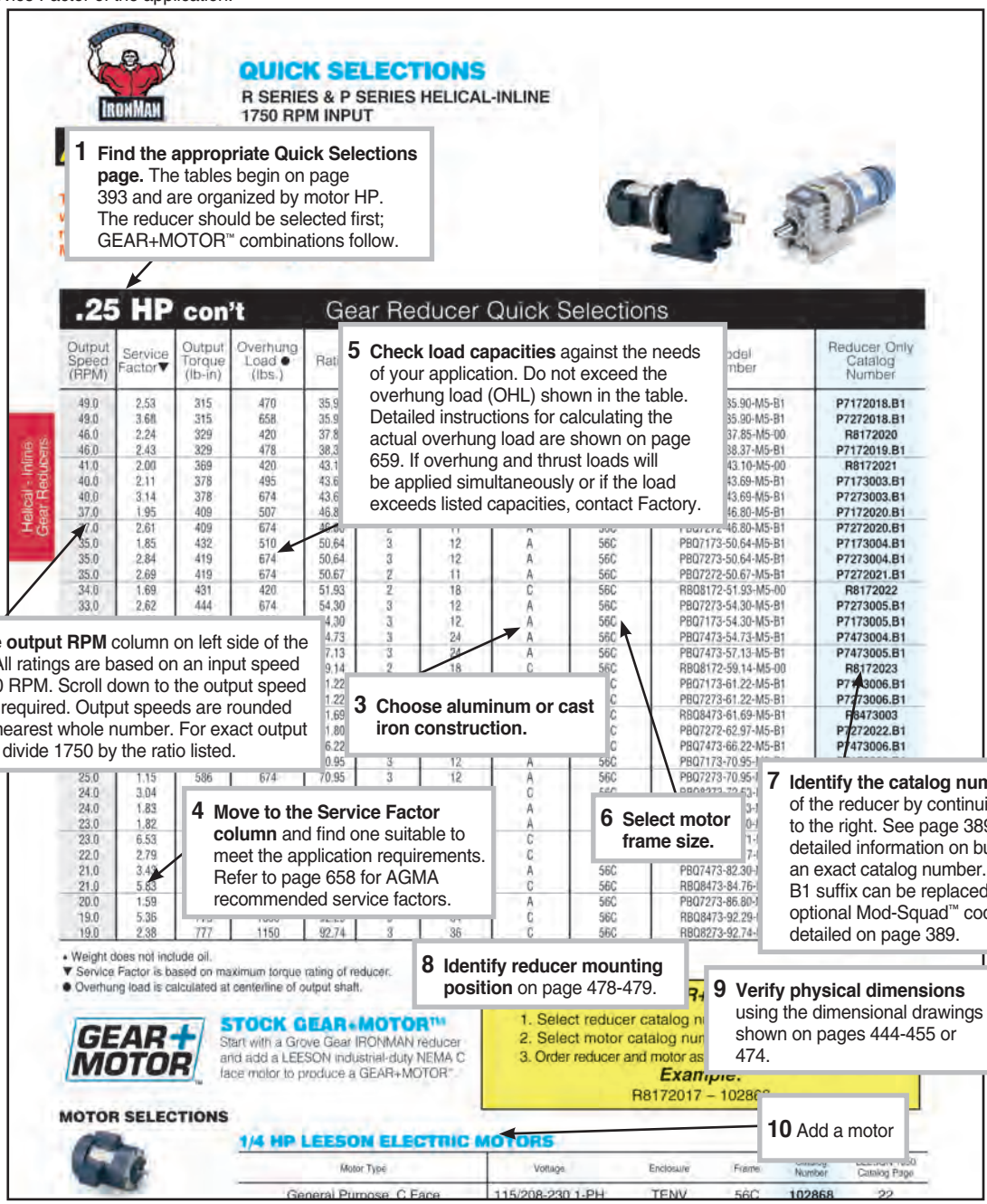
Identify the mounting style required by your application from the style charts shown on pages 390-391 or 458. Note the different bases and flanges to interchange with various competitive units.

To select the proper gear reducer size, use the Quick Selections as shown:

STOCK GEAR+MOTOR™

Start with a reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.
A wide variety of single phase, three phase and DC motors—suitable for almost every industrial application need—have been pre-selected and assembled to reducers to provide a variety of torque and output speed combinations…ready for shipment. Saves time and expense.

Helical - Inline Gear Reducers



CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.25 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
405	16.12	37	216	4.32	2	11	A	56C	PBQ7172-4.32-M5-B1	**P7172002.B1**
275	10.94	55	250	6.36	2	11	A	56C	PBQ7172-6.36-M5-B1	**P7172004.B1**
241	9.59	63	260	7.26	2	11	A	56C	PBQ7172-7.26-M5-B1	**P7172005.B1**
222	8.84	68	266	7.89	2	11	A	56C	PBQ7172-7.89-M5-B1	**P7172006.B1**
174	9.18	87	284	10.04	2	11	A	56C	PBQ7172-10.04-M5-B1	**P7172008.B1**
150	7.91	101	293	11.64	2	11	A	56C	PBQ7172-11.64-M5-B1	**P7172009.B1**
132	6.96	115	305	13.26	2	11	A	56C	PBQ7172-13.26-M5-B1	**P7172010.B1**
114	6.01	133	321	15.37	2	11	A	56C	PBQ7172-15.37-M5-B1	**P7172011.B1**
108	5.70	140	335	16.20	2	11	A	56C	PBQ7172-16.20-M5-B1	**P7172012.B1**
93.0	4.91	163	350	18.80	2	11	A	56C	PBQ7172-18.80-M5-B1	**P7172013.B1**
81.0	4.27	187	374	21.54	2	11	A	56C	PBQ7172-21.54-M5-B1	**P7172014.B1**
79.0	4.17	191	375	22.26	2	11	A	56C	PBQ7172-22.26-M5-B1	**P7172015.B1**
67.0	3.53	226	420	26.30	2	11	A	56C	PBQ7172-26.30-M5-B1	**P7172016.B1**
60.0	3.17	252	435	29.40	2	11	A	56C	PBQ7172-29.40-M5-B1	**P7172017.B1**
52.0	2.83	282	459	33.50	3	12	A	56C	PBQ7173-33.50-M5-B1	**P7173001.B1**
49.0	2.53	315	470	35.90	2	11	A	56C	PBQ7172-35.90-M5-B1	**P7172018.B1**
49.0	3.68	315	658	35.90	2	11	A	56C	PBQ7272-35.90-M5-B1	**P7272018.B1**
46.0	2.43	329	478	38.37	2	11	A	56C	PBQ7172-38.37-M5-B1	**P7172019.B1**
40.0	2.11	378	495	43.69	3	12	A	56C	PBQ7173-43.69-M5-B1	**P7173003.B1**
40.0	3.14	378	674	43.69	3	12	A	56C	PBQ7273-43.69-M5-B1	**P7273003.B1**
37.0	1.95	409	507	46.80	2	11	A	56C	PBQ7172-46.80-M5-B1	**P7172020.B1**
37.0	2.61	409	674	46.80	2	11	A	56C	PBQ7272-46.80-M5-B1	**P7272020.B1**
35.0	1.85	432	510	50.64	3	12	A	56C	PBQ7173-50.64-M5-B1	**P7173004.B1**
35.0	2.84	419	674	50.64	3	12	A	56C	PBQ7273-50.64-M5-B1	**P7273004.B1**
35.0	2.69	419	674	50.67	2	11	A	56C	PBQ7272-50.67-M5-B1	**P7272021.B1**
33.0	2.62	444	674	54.30	3	12	A	56C	PBQ7273-54.30-M5-B1	**P7273005.B1**
33.0	1.74	458	520	54.30	3	12	A	56C	PBQ7173-54.30-M5-B1	**P7173005.B1**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172017 – 102868

MOTOR SELECTIONS

1/4 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TENV	56C	**102868**	22
General Purpose, C Face	208-230/460 3-PH	TENV	56C	**101648**	24
CR Rated DC Motor	90 VDC	TEFC	56C	**098002**	81
SCR Rated DC Motor	90 VDC	TEFC	56C	**098003**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.25 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
32.0	5.23	458	1041	54.73	3	24	A	56C	PBQ7473-54.73-M5-B1	**P7473004.B1**
31.0	5.07	473	1050	57.13	3	24	A	56C	PBQ7473-57.13-M5-B1	**P7473005.B1**
29.0	1.58	505	525	61.22	3	12	A	56C	PBQ7173-61.22-M5-B1	**P7173006.B1**
29.0	2.32	513	674	61.22	3	12	A	56C	PBQ7273-61.22-M5-B1	**P7273006.B1**
28.0	7.98	517	4120	61.69	3	64	C	56C	RBQ8473-61.69-M5-B1	**R8473003**
28.0	2.04	523	674	61.80	2	11	A	56C	PBQ7272-62.97-M5-B1	**P7272022.B1**
26.0	4.25	564	1075	66.22	3	24	A	56C	PBQ7473-66.22-M5-B1	**P7473006.B1**
25.0	1.36	586	540	70.95	3	12	A	56C	PBQ7173-70.95-M5-B1	**P7173008.B1**
25.0	1.15	586	674	70.95	3	12	A	56C	PBQ7273-70.95-M5-B1	**P7273008.B1**
24.0	3.04	608	1150	72.63	3	36	C	56C	RBQ8273-72.63-M5-B1	**R8273002**
24.0	1.83	611	674	73.33	3	12	A	56C	PBQ7273-73.33-M5-B1	**P7273009.B1**
23.0	1.82	637	674	74.50	3	12	A	56C	PBQ7273-74.50-M5-B1	**P7273010.B1**
23.0	6.53	634	1600	75.71	3	64	C	56C	RBQ8473-75.71-M5-00	**R8473004**
22.0	2.79	663	1150	79.17	3	36	C	56C	RBQ8273-79.17-M5-00	**R8273003**
21.0	3.43	698	1091	82.30	3	24	A	56C	PBQ7473-82.30-M5-B1	**P7473009.B1**
21.0	5.83	710	1600	84.76	3	64	C	56C	RBQ8473-84.76-M5-00	**R8473005**
20.0	1.59	733	674	86.80	3	12	A	56C	PBQ7273-86.80-M5-B1	**P7273011.B1**
19.0	5.36	773	1600	92.29	3	64	C	56C	RBQ8473-92.29-M5-00	**R8473006**
19.0	2.38	777	1150	92.74	3	36	C	56C	RBQ8273-92.74-M5-00	**R8273004**
19.0	3.11	771	1102	92.78	3	24	A	56C	PBQ7473-92.78-M5-B1	**P7473011.B1**
18.0	1.46	814	674	96.85	3	12	A	56C	PBQ7273-96.85-M5-B1	**P7273012.B1**
17.0	2.19	844	1150	100.76	3	36	C	56C	RBQ8273-100.76-M5-00	**R8273005**
17.0	4.84	856	1600	102.22	3	64	C	56C	RBQ8473-102.22-M5-00	**R8473007**
17.0	1.36	862	674	102.80	3	12	A	56C	PBQ7273-102.80-M5-B1	**P7273013.B1**
17.0	2.78	862	1112	104.68	3	24	A	56C	PBQ7473-104.68-M5-B1	**P7473012.B1**
16.0	5.79	927	1700	110.67	3	95	C	56C	RBQ8673-110.67-M5-00	**R8673007**
15.0	4.30	963	1600	115.03	3	64	C	56C	RBQ8473-115.03-M5-00	**R8473008**
15.0	1.92	964	1150	115.15	3	36	C	56C	RBQ8273-115.15-M5-00	**R8273006**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172017 – 102868

MOTOR SELECTIONS

1/4 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TENV	56C	**102868**	22
General Purpose, C Face	208-230/460 3-PH	TENV	56C	**101648**	24
CR Rated DC Motor	90 VDC	TEFC	56C	**098002**	81
SCR Rated DC Motor	90 VDC	TEFC	56C	**098003**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.25 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
15.0	1.85	977	1124	117.22	3	24	A	56C	PBQ7473-117.22-M5-B1	**P7473013.B1**
14.0	1.82	1016	1150	121.28	3	36	C	56C	RBQ8273-121.28-M5-00	**R8273007**
14.0	2.29	1047	1130	126.65	3	24	A	56C	PBQ7473-126.65-M5-B1	**P7473014.B1**
14.0	5.04	1065	1700	127.22	3	95	C	56C	RBQ8673-127.22-M5-00	**R8673008**
13.0	1.66	1115	1150	133.14	3	36	C	56C	RBQ8273-133.14-M5-00	**R8273008**
13.0	1.61	1127	1136	135.74	3	24	A	56C	PBQ7473-135.74-M5-B1	**P7473015.B1**
13.0	3.56	1162	1600	138.73	3	64	C	56C	RBQ8473-138.73-M5-B1	**R8473009**
12.0	1.96	1221	1150	145.68	3	24	A	56C	PBQ7473-145.68-M5-B1	**P7473016.B1**
12.0	2.76	1221	1475	145.68	3	29	A	56C	PBQ7573-145.68-M5-B1	**P7573038.B1**
12.0	3.31	1250	1600	149.23	3	64	C	56C	RBQ8473-149.23-M5-B1	**R8473010**
11.0	1.43	1292	1150	154.35	3	36	C	56C	RBQ8273-154.35-M5-00	**R8273009**
11.0	2.53	1332	1492	157.40	3	29	A	56C	PBQ7573-157.40-M5-B1	**P7573039.B1**
11.0	3.10	1335	1600	159.46	3	64	C	56C	RBQ8473-159.46-M5-00	**R8473011**
11.0	1.80	1332	1186	164.23	3	24	A	56C	PBQ7473-164.23-M5-B1	**P7473018.B1**
9.4	1.54	1559	1186	185.29	3	24	A	56C	PBQ7473-185.29-M5-B1	**P7473019.B1**
9.4	2.16	1559	1498	185.29	3	29	A	56C	PBQ7573-185.29-M5-B1	**P7573041.B1**
9.2	3.36	1600	1700	191.13	3	95	C	56C	RBQ8673-191.13-M5-00	**R8673011**
8.6	1.41	1704	1186	204.12	3	24	A	56C	PBQ7473-204.12-M5-B1	**P7473020.B1**
8.6	1.98	1704	1502	204.12	3	29	A	56C	PBQ7573-204.12-M5-B1	**P7573042.B1**
7.8	1.79	1879	1510	224.18	3	29	A	56C	PBQ7573-224.18-M5-B1	**P7573043.B1**
7.6	3.79	1917	2240	228.92	3	120	C	56C	RBQ8773-228.92-M5-00	**R8773018**
7.4	3.69	1968	2240	235.09	3	120	C	56C	RBQ8773-235.09-M5-00	**R8773019**
6.3	1.45	2326	1510	278.62	3	29	A	56C	PBQ7573-278.62-M5-B1	**P7573044.B1**
6.2	3.06	2374	2240	283.56	3	120	C	56C	RBQ8773-283.56-M5-00	**R8773021**
6.2	5.77	2374	3800	283.57	3	173	C	56C	RBQ8873-283.57-M5-00	**R8873023**
5.4	5.07	2704	3800	322.95	3	173	C	56C	RBQ8873-322.95-M5-00	**R8873024**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:

R8172017 – 102868

MOTOR SELECTIONS

1/4 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TENV	56C	**102868**	22
General Purpose, C Face	208-230/460 3-PH	TENV	56C	**101648**	24
CR Rated DC Motor	90 VDC	TEFC	56C	**098002**	81
SCR Rated DC Motor	90 VDC	TEFC	56C	**098003**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.33 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
503	15.03	40	204	3.48	2	11	A	56C	PBQ7172-3.48-M5-B1	**P7172001.B1**
405	12.10	50	216	4.32	2	11	A	56C	PBQ7172-4.32-M5-B1	**P7172002.B1**
318	9.50	63	230	5.50	2	11	A	56C	PBQ7172-5.50-M5-B1	**P7172003.B1**
275	8.22	73	250	6.36	2	11	A	56C	PBQ7172-6.36-M5-B1	**P7172004.B1**
241	7.20	84	260	7.26	2	11	A	56C	PBQ7172-7.26-M5-B1	**P7172005.B1**
222	6.63	91	266	7.89	2	11	A	56C	PBQ7172-7.89-M5-B1	**P7172006.B1**
174	6.89	116	284	10.04	2	11	A	56C	PBQ7172-10.04-M5-B1	**P7172008.B1**
150	5.94	134	293	11.64	2	11	A	56C	PBQ7172-11.64-M5-B1	**P7172009.B1**
132	5.23	153	305	13.26	2	11	A	56C	PBQ7172-13.26-M5-B1	**P7172010.B1**
114	4.52	177	321	15.37	2	11	A	56C	PBQ7172-15.37-M5-B1	**P7172011.B1**
108	4.28	187	335	16.20	2	11	A	56C	PBQ7172-16.20-M5-B1	**P7172012.B1**
93.0	3.68	217	350	18.80	2	11	A	56C	PBQ7172-18.80-M5-B1	**P7172013.B1**
81.0	3.21	249	374	21.54	2	11	A	56C	PBQ7172-21.54-M5-B1	**P7172014.B1**
79.0	3.13	255	375	22.26	2	11	A	56C	PBQ7172-22.26-M5-B1	**P7172015.B1**
67.0	2.65	301	420	26.30	2	11	A	56C	PBQ7172-26.30-M5-B1	**P7172016.B1**
60.0	2.38	336	435	29.40	2	11	A	56C	PBQ7172-29.40-M5-B1	**P7172017.B1**
52.0	2.06	387	459	33.50	3	12	A	56C	PBQ7173-33.50-M5-B1	**P7173001.B1**
52.0	3.07	387	645	33.50	3	12	A	56C	PBQ7273-33.50-M5-B1	**P7273001.B1**
49.0	1.94	411	470	35.90	2	11	A	56C	PBQ7172-35.90-M5-B1	**P7172018.B1**
46.0	2.55	438	663	38.34	3	12	A	56C	PBQ7273-38.34-M5-B1	**P7273002.B1**
46.0	1.82	438	478	38.37	2	11	A	56C	PBQ7172-38.37-M5-B1	**P7172019.B1**
40.0	1.58	504	495	43.69	3	12	A	56C	PBQ7173-43.69-M5-B1	**P7173003.B1**
40.0	2.36	504	674	43.69	3	12	A	56C	PBQ7273-43.69-M5-B1	**P7273003.B1**
37.0	1.47	545	507	46.80	2	11	A	56C	PBQ7172-46.80-M5-B1	**P7172020.B1**
37.0	1.96	545	674	46.80	2	11	A	56C	PBQ7272-46.80-M5-B1	**P7272020.B1**
35.0	3.05	581	1150	50.47	2	30	C	56C	RBQ8272-50.47-M5-B1	**R8272046**
35.0	1.39	576	510	50.64	3	12	A	56C	PBQ7173-50.64-M5-B1	**P7173004.B1**
35.0	1.96	576	674	50.67	2	11	A	56C	PBQ7272-50.67-M5-B1	**P7272021.B1**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 102867

MOTOR SELECTIONS

1/3 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TENV	56C	**102867**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**101769**	24
WATTSAVER® Premium Efficiency Motor	208-230/460	TEFC	56C	**102696**	18, 24
SCR Rated DC Motor	90 VDC	TEFC	56C	**098004**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098005**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.33 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
33.0	1.90	611	674	54.30	3	12	A	56C	PBQ7273-54.30-M5-B1	**P7273005.B1**
33.0	1.31	611	520	54.30	3	12	A	56C	PBQ7173-54.30-M5-B1	**P7173005.B1**
32.0	3.81	630	1041	54.73	3	24	A	56C	PBQ7473-54.73-M5-B1	**P7473004.B1**
31.0	3.69	650	1050	57.13	3	24	A	56C	PBQ7473-57.13-M5-B1	**P7473005.B1**
29.0	2.65	697	1150	60.54	3	36	C	56C	RBQ8273-60.54-M5-B1	**R8273001**
29.0	1.13	705	525	61.22	3	12	A	56C	PBQ7173-61.22-M5-B1	**P7173006.B1**
29.0	1.69	705	674	61.22	3	12	A	56C	PBQ7273-61.22-M5-B1	**P7273006.B1**
28.0	5.80	710	4120	61.69	3	64	C	56C	RBQ8473-61.69-M5-B1	**R8473003**
28.0	1.48	720	674	61.80	2	11	A	56C	PBQ7272-62.97-M5-B1	**P7272022.B1**
26.0	3.09	775	1075	66.22	3	24	A	56C	PBQ7473-66.22-M5-B1	**P7473006.B1**
25.0	0.99	806	540	70.95	3	12	A	56C	PBQ7173-70.95-M5-B1	**P7173008.B1**
24.0	2.21	836	1150	72.63	3	36	C	56C	RBQ8273-72.63-M5-B1	**R8273002**
24.0	1.33	839	674	73.33	3	12	A	56C	PBQ7273-73.33-M5-B1	**P7273009.B1**
23.0	1.33	876	674	74.50	3	12	A	56C	PBQ7273-74.50-M5-B1	**P7273010.B1**
23.0	4.75	872	1600	75.71	3	64	C	56C	RBQ8473-75.71-M5-00	**R8473004**
22.0	2.03	911	1150	79.17	3	36	C	56C	RBQ8273-79.17-M5-00	**R8273003**
21.0	2.50	959	1091	82.30	3	24	A	56C	PBQ7473-82.30-M5-B1	**P7473009.B1**
21.0	4.24	976	1600	84.76	3	64	C	56C	RBQ8473-84.76-M5-00	**R8473005**
20.0	1.15	1007	674	86.80	3	12	A	56C	PBQ7273-86.80-M5-B1	**P7273011.B1**
19.0	3.90	1063	1600	92.29	3	64	C	56C	RBQ8473-92.29-M5-00	**R8473006**
19.0	1.73	1068	1150	92.74	3	36	C	56C	RBQ8273-92.74-M5-00	**R8273004**
19.0	2.26	1060	1102	92.78	3	24	A	56C	PBQ7473-92.78-M5-B1	**P7473011.B1**
18.0	1.06	1119	674	96.85	3	12	A	56C	PBQ7273-96.85-M5-B1	**P7273012.B1**
17.0	1.59	1160	1150	100.76	3	36	C	56C	RBQ8273-100.76-M5-00	**R8273005**
17.0	3.52	1177	1600	102.22	3	64	C	56C	RBQ8473-102.22-M5-00	**R8473007**
17.0	0.99	1185	674	102.80	3	12	A	56C	PBQ7273-102.80-M5-B1	**P7273013.B1**
17.0	2.02	1185	1112	104.68	3	24	A	56C	PBQ7473-104.68-M5-B1	**P7473012.B1**
16.0	4.21	1274	1700	110.67	3	95	C	56C	RBQ8673-110.67-M5-00	**R8673007**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:

R8172001 – 102867

MOTOR SELECTIONS

1/3 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TENV	56C	**102867**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**101769**	24
WATTSAVER® Premium Efficiency Motor	208-230/460	TEFC	56C	**102696**	18, 24
SCR Rated DC Motor	90 VDC	TEFC	56C	**098004**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098005**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.33 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
15.0	3.13	1324	1600	115.03	3	64	C	56C	RBQ8473-115.03-M5-00	**R8473008**
15.0	1.40	1326	1150	115.15	3	36	C	56C	RBQ8273-115.15-M5-00	**R8273006**
15.0	1.85	1343	1124	117.22	3	24	A	56C	PBQ7473-117.22-M5-B1	**P7473013.B1**
14.0	1.32	1396	1150	121.28	3	36	C	56C	RBQ8273-121.28-M5-00	**R8273007**
14.0	1.66	1439	1130	126.65	3	24	A	56C	PBQ7473-126.65-M5-B1	**P7473014.B1**
14.0	3.67	1465	1700	127.22	3	95	C	56C	RBQ8673-127.22-M5-00	**R8673008**
13.0	1.21	1533	1150	133.14	3	36	C	56C	RBQ8273-133.14-M5-00	**R8273008**
13.0	1.61	1550	1136	135.74	3	24	A	56C	PBQ7473-135.74-M5-B1	**P7473015.B1**
13.0	2.59	1597	1600	138.73	3	64	C	56C	RBQ8473-138.73-M5-B1	**R8473009**
12.0	1.43	1679	1150	145.68	3	24	A	56C	PBQ7473-145.68-M5-B1	**P7473016.B1**
12.0	2.01	1679	1475	145.68	3	29	A	56C	PBQ7573-145.68-M5-B1	**P7573038.B1**
12.0	2.41	1718	1600	149.23	3	64	C	56C	RBQ8473-149.23-M5-B1	**R8473010**
11.0	1.04	1777	1150	154.35	3	36	C	56C	RBQ8273-154.35-M5-00	**R8273009**
11.0	1.84	1832	1492	157.40	3	29	A	56C	PBQ7573-157.40-M5-B1	**P7573039.B1**
11.0	2.26	1836	1600	159.46	3	64	C	56C	RBQ8473-159.46-M5-00	**R8473011**
11.0	1.31	1832	1186	164.23	3	24	A	56C	PBQ7473-164.23-M5-B1	**P7473018.B1**
9.4	1.12	2143	1186	185.29	3	24	A	56C	PBQ7473-185.29-M5-B1	**P7473019.B1**
9.4	1.57	2143	1498	185.29	3	29	A	56C	PBQ7573-185.29-M5-B1	**P7573041.B1**
9.2	2.44	2200	1700	191.13	3	95	C	56C	RBQ8673-191.13-M5-00	**R8673011**
8.6	1.02	2343	1186	204.12	3	24	A	56C	PBQ7473-204.12-M5-B1	**P7473020.B1**
8.6	1.44	2343	1502	204.12	3	29	A	56C	PBQ7573-204.12-M5-B1	**P7573042.B1**
7.8	1.31	2583	1510	224.18	3	29	A	56C	PBQ7573-224.18-M5-B1	**P7573043.B1**
7.6	2.75	2636	2240	228.92	3	120	C	56C	RBQ8773-228.92-M5-00	**R8773018**
7.4	2.68	2707	2240	235.09	3	120	C	56C	RBQ8773-235.09-M5-00	**R8773019**
6.3	1.05	3198	1510	278.62	3	29	A	56C	PBQ7573-278.62-M5-B1	**P7573044.B1**
6.2	2.22	3265	2240	283.56	3	120	C	56C	RBQ8773-283.56-M5-00	**R8773021**
6.2	4.20	3265	3800	283.57	3	173	C	56C	RBQ8873-283.57-M5-00	**R8873023**
5.4	3.68	3718	3800	322.95	3	173	C	56C	RBQ8873-322.95-M5-00	**R8873024**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 102867

MOTOR SELECTIONS

1/3 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TENV	56C	**102867**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**101769**	24
WATTSAVER® Premium Efficiency Motor	208-230/460	TEFC	56C	**102696**	18, 24
SCR Rated DC Motor	90 VDC	TEFC	56C	**098004**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098005**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.50 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
503	10.01	60	204	3.48	2	11	A	56C	PBQ7172-3.48-M5-B1	**P7172001.B1**
405	8.06	75	216	4.32	2	11	A	56C	PBQ7172-4.32-M5-B1	**P7172002.B1**
318	6.33	95	230	5.50	2	11	A	56C	PBQ7172-5.50-M5-B1	**P7172003.B1**
275	5.47	110	250	6.36	2	11	A	56C	PBQ7172-6.36-M5-B1	**P7172004.B1**
241	4.80	126	260	7.26	2	11	A	56C	PBQ7172-7.26-M5-B1	**P7172005.B1**
222	4.42	136	266	7.89	2	11	A	56C	PBQ7172-7.89-M5-B1	**P7172006.B1**
174	4.59	174	284	10.04	2	11	A	56C	PBQ7172-10.04-M5-B1	**P7172008.B1**
150	3.96	202	293	11.64	2	11	A	56C	PBQ7172-11.64-M5-B1	**P7172009.B1**
132	3.48	229	305	13.26	2	11	A	56C	PBQ7172-13.26-M5-B1	**P7172010.B1**
114	3.01	265	321	15.37	2	11	A	56C	PBQ7172-15.37-M5-B1	**P7172011.B1**
108	2.85	280	335	16.20	2	11	A	56C	PBQ7172-16.20-M5-B1	**P7172012.B1**
93	2.45	325	350	18.80	2	11	A	56C	PBQ7172-18.80-M5-B1	**P7172013.B1**
81	2.14	373	374	21.54	2	11	A	56C	PBQ7172-21.54-M5-B1	**P7172014.B1**
79	2.08	383	375	22.26	2	11	A	56C	PBQ7172-22.26-M5-B1	**P7172015.B1**
67	1.77	452	420	26.30	2	11	A	56C	PBQ7172-26.30-M5-B1	**P7172016.B1**
67	2.56	452	615	26.30	2	11	A	56C	PBQ7272-26.30-M5-B1	**P7272016.B1**
60	1.58	504	435	29.40	2	11	A	56C	PBQ7172-29.40-M5-B1	**P7172017.B1**
60	2.36	504	629	29.40	2	11	A	56C	PBQ7272-29.40-M5-B1	**P7272017.B1**
52	1.37	582	459	33.50	3	12	A	56C	PBQ7173-33.50-M5-B1	**P7173001.B1**
52	2.04	582	645	33.50	3	12	A	56C	PBQ7273-33.50-M5-B1	**P7273001.B1**
49	1.29	617	470	35.90	2	11	A	56C	PBQ7172-35.90-M5-B1	**P7172018.B1**
48	2.91	632	1150	36.56	2	30	C	56C	RBQ8272-36.56-M5-00	**R8272021**
46	1.12	658	420	37.85	2	18	C	56C	RBQ8172-37.85-M5-00	**R8172020**
46	1.71	658	663	38.37	2	11	A	56C	PBQ7272-38.37-M5-B1	**P7272019.B1**
44	3.60	688	988	39.79	3	24	A	56C	PBQ7473-39.79-M5-B1	**P7473002.B1**
43	2.90	704	988	40.50	2	23	A	56C	PBQ7472-40.50-M5-B1	**P7472016.B1**
40	1.06	756	495	43.69	3	12	A	56C	PBQ7173-43.69-M5-B1	**P7173003.B1**
40	1.57	756	674	43.69	3	12	A	56C	PBQ7273-43.69-M5-B1	**P7273003.B1**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 102862

MOTOR SELECTIONS

1/2 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**102862**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**102860**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**101780**	18, 24
575 Volt Motor	575 3-PH	TENV	56C	**110176**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**098000**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098008**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.50 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
40	2.43	762	1150	44.10	2	30	C	56C	RBQ8272-44.10-M5-00	**R8272022**
37	1.30	818	674	46.80	2	11	A	56C	PBQ7272-46.80-M5-B1	**P7272020.B1**
37	2.93	818	1028	47.22	3	24	A	56C	PBQ7473-47.22-M5-B1	**P7473003.B1**
36	2.86	840	1028	49.00	2	23	A	56C	PBQ7472-49.00-M5-B1	**P7472018.B1**
35.0	2.03	872	1150	50.47	2	30	C	56C	RBQ8272-50.47-M5-00	**R8272023**
35.0	1.30	864	674	50.67	2	11	A	56C	PBQ7272-50.67-M5-B1	**P7272021.B1**
33.0	1.27	917	674	53.40	3	12	A	56C	PBQ7273-53.40-M5-B1	**P7273005.B1**
32.0	2.62	916	1041	54.73	3	24	A	56C	PBQ7473-54.73-M5-00	**P7473004.B1**
31.0	2.53	945	1050	57.13	3	24	A	56C	PBQ7473-57.13-M5-00	**P7473005.B1**
31.0	4.41	934	4120	55.79	3	64	C	56C	RBQ8473-55.79-M5-00	**R8473001**
29.0	2.18	1011	1050	60.90	2	23	A	56C	PBQ7472-60.90-M5-00	**P7472019.B1**
29.0	1.82	1014	1150	60.54	3	30	C	56C	RBQ8273-60.54-M5-00	**R8273001**
29.0	1.18	1011	674	61.22	3	12	A	56C	PBQ7273-61.22-M5-00	**P7273006.B1**
28.0	3.99	1033	1600	61.69	3	64	C	56C	RBQ8473-61.69-M5-00	**R8473002**
28.0	1.11	1047	674	62.00	3	12	A	56C	PBQ7273-62.00-M5-00	**P7273007.B1**
26.0	2.13	1127	1075	66.22	3	24	A	56C	PBQ7472-66.22-M5-00	**P7473006.B1**
26.0	3.62	1139	1600	68.00	3	64	C	56C	RBQ8473-68.00-M5-00	**R8473003**
25.0	1.01	1172	674	70.95	3	12	A	56C	PBQ7273-70.95-M5-00	**P7273008.B1**
25.0	2.04	1172	1079	71.01	3	24	A	56C	PBQ7473-71.01-M5-00	**P7473007.B1**
24.0	1.52	1216	1150	72.63	3	30	C	56C	RBQ8273-72.63-M5-00	**R8273002**
23.0	3.27	1268	1600	75.71	3	64	C	56C	RBQ8473-75.71-M5-00	**R8473004**
23.0	1.88	1274	1091	76.69	3	24	A	56C	PBQ7473-76.69-M5-00	**P7473008.B1**
23.0	2.65	1274	1414	76.69	3	29	A	56C	PBQ7573-76.69-M5-00	**P7573030.B1**
22.0	1.40	1326	1150	79.17	3	30	C	56C	RBQ8273-79.19-M5-00	**R8273003**
21.0	1.72	1396	1091	82.30	3	24	A	56C	PBQ7473-82.30-M5-00	**P7473009.B1**
21.0	2.42	1396	1422	82.30	3	29	A	56C	PBQ7573-82.30-M5-00	**P7573031.B1**
21.0	2.92	1419	1600	84.76	3	64	C	56C	RBQ8473-84.76-M5-00	**R8473005**
19.0	2.68	1546	1600	92.29	3	64	C	56C	RBQ8473-92.29-M5-00	**R8473006**
19.0	1.19	1553	1150	92.74	3	30	C	56C	RBQ8273-92.74-M5-00	**R8273004**
19.0	1.55	1542	1102	92.78	3	24	A	56C	PBQ7473-92.78-M5-00	**P7473011.B1**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 102862

MOTOR SELECTIONS

1/2 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**102862**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**102860**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**101780**	18, 24
575 Volt Motor	575 3-PH	TENV	56C	**110176**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**098000**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098008**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.50 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
17.0	1.10	1687	1150	100.76	3	30	C	56C	RBQ8273-100.76-M5-00	**R8273005**
17.0	2.42	1712	1600	102.22	3	64	C	56C	RBQ8473-102.22-M5-00	**R8473007**
17.0	1.39	1724	1112	104.68	3	24	A	56C	PBQ7473-104.68-M5-00	**P7473012.B1**
16.0	2.90	1853	1700	110.67	3	95	C	56C	RBQ8673-110.67-M5-00	**R8673007**
15.0	2.15	1926	1600	115.03	3	64	C	56C	RBQ8473-115.03-M5-00	**R8473008**
15.0	1.23	1954	1124	117.22	3	24	A	56C	PBQ7473-117.22-M5-00	**P7473013.B1**
15.0	1.73	1954	1461	117.22	3	29	A	56C	PBQ7573-117.22-M5-00	**P7573035.B1**
14.0	1.14	2093	1130	126.65	3	24	A	56C	PBQ7473-126.65-M5-00	**P7473014.B1**
14.0	1.61	2093	1468	126.65	3	29	A	56C	PBQ7573-126.65-M5-00	**P7573036.B1**
14.0	2.52	2131	1700	127.22	3	95	C	56C	RBQ8673-127.22-M5-00	**R8673008**
13.0	1.06	2254	1136	135.74	3	24	A	56C	PBQ7473-135.74-M5-00	**P7473015.B1**
13.0	1.50	2254	1472	135.74	3	29	A	56C	PBQ7573-135.74-M5-00	**P7573037.B1**
13.0	2.33	2309	1700	137.88	3	95	C	56C	RBQ8673-137.88-M5-00	**R8673009**
13.0	1.78	2323	1600	138.73	3	64	C	56C	RBQ8473-138.73-M5-00	**R8473009**
12.0	1.66	2499	1600	149.23	3	64	C	56C	RBQ8473-149.23-M5-00	**R8473010**
12.0	1.38	2442	1475	145.68	3	29	A	56C	PBQ7573-145.68-M5-00	**P7573038.B1**
11.0	1.27	2664	1492	157.40	3	29	A	56C	PBQ7573-157.40-M5-00	**P7573039.B1**
11.0	1.55	2670	1600	159.46	3	64	C	56C	RBQ8473-159.46-M5-00	**R8473011**
11.0	1.98	2706	1700	161.57	3	95	C	56C	RBQ8673-161.57-M5-00	**R8673010**
11.0	1.27	2664	1492	164.23	3	29	A	56C	PBQ7573-164.23-M5-00	**P7573040.B1**
9.4	1.08	3118	1498	185.29	3	29	A	56C	PBQ7573-185.29-M5-00	**P7573041.B1**
9.2	2.28	3178	2240	189.79	3	120	C	56C	RBQ8773-189.79-M5-00	**R8773017**
9.2	1.68	3201	1700	191.13	3	95	C	56C	RBQ8673-191.13-M5-00	**R8673011**
7.6	1.89	3834	2240	228.92	3	120	C	56C	RBQ8773-228.92-M5-00	**R8773018**
7.4	1.84	3937	2240	235.09	3	120	C	56C	RBQ8873-235.09-M5-00	**R8773019**
6.7	1.65	4387	2240	261.99	3	120	C	56C	RBQ8773-261.99-M5-00	**R8773020**
6.7	3.14	4366	3800	260.72	3	173	C	56C	RBQ8873-260.72-M5-00	**R8873022**
6.2	1.53	4749	2240	283.56	3	120	C	56C	RBQ8773-283.56-M5-00	**R8773021**
6.2	2.88	4749	3800	283.57	3	173	C	56C	RBQ8873-283.57-M5-00	**R8873023**
5.4	2.53	5408	3800	322.95	3	173	C	56C	RBQ8873-322.95-M5-00	**R8873024**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 102862

MOTOR SELECTIONS

1/2 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**102862**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**102860**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**101780**	18, 24
575 Volt Motor	575 3-PH	TENV	56C	**110176**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**098000**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098008**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.75 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
503	6.67	90	204	3.48	2	11	A	56C	PBQ7172-3.48-M5-B1	**P7172001.B1**
405	5.37	112	216	4.32	2	11	A	56C	PBQ7172-4.32-M5-B1	**P7172002.B1**
318	4.22	143	230	5.50	2	11	A	56C	PBQ7172-5.50-M5-B1	**P7172003.B1**
275	3.65	165	250	6.36	2	11	A	56C	PBQ7172-6.36-M5-B1	**P7172004.B1**
241	3.20	188	260	7.26	2	11	A	56C	PBQ7172-7.26-M5-B1	**P7172005.B1**
222	2.95	204	266	7.89	2	11	A	56C	PBQ7172-7.89-M5-B1	**P7172006.B1**
174	3.06	261	284	10.04	2	11	A	56C	PBQ7172-10.04-M5-B1	**P7172008.B1**
150	2.64	303	293	11.64	2	11	A	56C	PBQ7172-11.64-M5-B1	**P7172009.B1**
150	3.93	303	445	11.64	2	11	A	56C	PBQ7272-11.64-M5-B1	**P7272009.B1**
132	2.32	344	305	13.26	2	11	A	56C	PBQ7172-13.26-M5-B1	**P7172010.B1**
132	3.46	344	476	13.26	2	11	A	56C	PBQ7272-13.26-M5-B1	**P7272010.B1**
114	2.00	398	321	15.37	2	11	A	56C	PBQ7172-15.37-M5-B1	**P7172011.B1**
114	2.99	398	508	15.37	2	11	A	56C	PBQ7272-15.37-M5-B1	**P7272011.B1**
108	1.90	420	335	16.20	2	11	A	56C	PBQ7172-16.20-M5-B1	**P7172012.B1**
108	2.76	420	520	16.20	2	11	A	56C	PBQ7272-16.20-M5-B1	**P7272012.B1**
93	1.64	488	350	18.80	2	11	A	56C	PBQ7172-18.80-M5-B1	**P7172013.B1**
93	2.37	488	535	18.80	2	11	A	56C	PBQ7272-18.80-M5-B1	**P7272013.B1**
81	1.42	560	374	21.54	2	11	A	56C	PBQ7172-21.54-M5-B1	**P7172014.B1**
81	2.12	560	562	21.54	2	11	A	56C	PBQ7272-21.54-M5-B1	**P7272014.B1**
79	1.39	574	375	22.26	2	11	A	56C	PBQ7172-22.26-M5-B1	**P7172015.B1**
79	2.07	574	562	22.26	2	11	A	56C	PBQ7272-22.26-M5-B1	**P7272015.B1**
70	2.82	649	1150	25.04	2	30	C	56C	RBQ8372-25.04-M5-00	**R8372019**
67	1.18	677	420	26.30	2	11	A	56C	PBQ7172-26.30-M5-B1	**P7172016.B1**
67	1.71	677	615	26.30	2	11	A	56C	PBQ7272-26.30-M5-B1	**P7272016.B1**
61	2.48	747	1150	28.79	2	30	C	56C	RBQ8372-28.79-M5-00	**R8372020**
60	1.06	756	435	29.40	2	11	A	56C	PBQ7172-29.40-M5-00	**P7172017.B1**
60	1.57	756	629	29.40	2	11	A	56C	PBQ7272-29.40-M5-B1	**P7272017.B1**
60	3.31	756	900	29.41	2	23	A	56C	PBQ7472-29.41-M5-B1	**P7472014.B1**
59	5.30	768	4070	29.62	2	51	C	56C	RBQ8472-29.62-M5-00	**R8472016**
54	4.85	843	4090	32.50	2	51	C	56C	RBQ8472-32.50-M5-00	**R8472017**
52	1.36	873	645	33.50	3	12	A	56C	PBQ7273-33.50-M5-00	**P7273001.B1**
52	2.75	873	918	34.01	3	24	A	56C	PBQ7473-34.01-M5-B1	**P7473001.B1**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 110057

MOTOR SELECTIONS

3/4 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110057**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**110047**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**114213**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**110177**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**098032**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098069**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

IRONMAN

LeCENTRIC

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.75 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
49	2.70	926	922	35.58	2	23	A	56C	PBQ7472-35.58-M5-B1	**P7472015.B1**
49	1.25	926	660	35.90	2	11	A	56C	PBQ7272-35.90-M5-B1	**P7272018.B1**
46	1.13	986	663	38.34	3	12	A	56C	PBQ7273-38.34-M5-B1	**P7273002.B1**
46	1.14	986	663	38.37	2	11	A	56C	PBQ7272-38.37-M5-B1	**P7272019.B1**
44	2.32	1031	988	39.79	3	24	A	56C	PBQ7473-39.79-M5-B1	**P7473002.B1**
43	2.28	1055	988	40.50	2	23	A	56C	PBQ7472-40.50-M5-B1	**P7472016.B1**
40	1.05	1134	674	43.69	3	12	A	56C	PBQ7273-43.69-M5-B1	**P7273003.B1**
40.0	2.03	1134	1012	44.23	2	23	A	56C	PBQ7472-44.23-M5-B1	**P7472017.B1**
39.0	3.52	1167	1600	45.00	2	51	C	56C	RBQ8472-45.00-M5-00	**R8472019**
37.0	1.95	1226	1028	47.22	3	24	A	56C	PBQ7473-47.22-M5-B1	**P7473003.B1**
36.0	1.91	1261	1028	49.00	2	23	A	56C	PBQ7472-49.00-M5-B1	**P7472018.B1**
36.0	2.20	1261	1330	49.00	2	28	A	56C	PBQ7572-49.00-M5-B1	**P7572037.B1**
35.0	1.35	1309	1150	50.47	2	30	C	56C	RBQ8372-50.47-M5-00	**R8372023**
34.0	3.10	1329	1600	51.25	2	51	C	56C	RBQ8472-51.25-M5-00	**R8472020**
32.0	1.69	1418	1041	54.73	3	24	A	56C	PBQ7473-54.73-M5-B1	**P7473004.B1**
32.0	2.38	1418	1354	54.73	3	29	A	56C	PBQ7573-54.73-M5-B1	**P7573026.B1**
31.0	2.85	1447	1600	55.79	3	64	C	56C	RBQ8473-55.79-M5-00	**R8473001**
31.0	1.64	1464	1050	57.13	3	24	A	56C	PBQ7473-57.13-M5-B1	**P7473005.B1**
31.0	2.30	1464	1354	57.13	3	29	A	56C	PBQ7573-57.13-M5-B1	**P7573027.B1**
29.0	1.18	1570	1150	60.54	3	30	C	56C	RBQ8373-60.54-M5-00	**R8373013**
29.0	1.41	1565	1050	60.90	2	23	A	56C	PBQ7472-60.90-M5-B1	**P7472019.B1**
29.0	1.79	1565	1367	60.90	2	28	A	56C	PBQ7572-60.90-M5-B1	**P7572038.B1**
28.0	2.58	1600	1600	61.69	3	64	C	56C	RBQ8473-61.69-M5-00	**R8473002**
26.0	1.37	1745	1075	66.22	3	24	A	56C	PBQ7473-66.22-M5-B1	**P7473006.B1**
26.0	1.93	1745	1519	66.22	3	29	A	56C	PBQ7573-66.22-M5-B1	**P7573028.B1**
26.0	2.34	1763	1600	68.00	3	64	C	56C	RBQ8473-68.00-M5-00	**R8473003**
25.0	1.32	1815	1079	71.01	3	24	A	56C	PBQ7473-71.01-M5-B1	**P7473007.B1**
25.0	1.86	1815	1398	71.01	3	29	A	56C	PBQ7573-71.01-M5-B1	**P7573029.B1**
23.0	2.11	1963	1600	75.71	3	64	C	56C	RBQ8473-75.71-M5-00	**R8473004**
23.0	1.21	1973	1091	76.69	3	24	A	56C	PBQ7473-76.69-M5-B1	**P7473008.B1**
23.0	1.71	1973	1414	76.69	3	29	A	56C	PBQ7573-76.69-M5-B1	**P7573030.B1**
21.0	1.25	2161	1091	82.30	3	24	A	56C	PBQ7473-82.30-M5-B1	**P7473009.B1**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:

R8172001 – 110057

MOTOR SELECTIONS

3/4 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110057**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**110047**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**114213**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**110177**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**098032**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098069**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

.75 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
21.0	1.56	2161	1422	82.30	3	29	A	56C	PBQ7573-82.30-M5-B1	**P7573031.B1**
21.0	1.88	2198	1600	84.76	3	64	C	56C	RBQ8473-84.76-M5-00	**R8473005**
19.0	2.26	2380	5370	91.77	3	95	C	56C	RBQ8673-91.77-M5-00	**R8673036**
19.0	1.00	2388	1102	92.78	3	24	A	56C	PBQ7473-92.78-M5-B1	**P7473011.B1**
19.0	1.73	2393	1600	92.29	3	64	C	56C	RBQ8473-92.29-M5-00	**R8473006**
17.0	1.56	2651	1600	102.22	3	64	C	56C	RBQ8473-102.22-M5-00	**R8473007**
17.0	1.26	2669	1454	104.68	3	29	A	56C	PBQ7573-104.68-M5-B1	**P7573034.B1**
16.0	1.88	2862	1700	110.37	3	95	C	56C	RBQ8673-110.37-M5-00	**R8673037**
15.0	1.39	2983	1600	115.03	3	64	C	56C	RBQ8473-115.03-M5-00	**R8473008**
15.0	1.11	3025	1461	117.22	3	29	A	56C	PBQ7573-117.22-M5-B1	**P7573035.B1**
14.0	1.63	3299	1700	127.22	3	95	C	56C	RBQ8673-127.22-M5-00	**R8673038**
14.0	1.04	3241	1468	126.65	3	29	A	56C	PBQ7573-126.65-M5-B1	**P7573036.B1**
13.0	1.50	3575	1700	137.88	3	95	C	56C	RBQ8673-137.88-M5-00	**R8673039**
13.0	1.15	3597	1600	138.73	3	64	C	56C	RBQ8473-138.73-M5-00	**R8473009**
12.0	1.07	3870	1600	149.23	3	64	C	56C	RBQ8473-149.23-M5-00	**R8473010**
11.0	1.00	4135	1600	159.46	3	64	C	56C	RBQ8473-159.46-M5-00	**R8473011**
11.0	1.28	4190	1700	161.57	3	95	C	56C	RBQ8673-161.57-M5-00	**R8673040**
9.0	1.48	4921	7260	189.79	3	120	C	56C	RBQ8773-189.79-M5-00	**R8773017**
9.0	1.08	4956	1700	191.13	3	95	C	56C	RBQ8673-191.13-M5-00	**R8673041**
8.0	1.22	5936	2240	228.92	3	120	C	56C	RBQ8773-228.92-M5-00	**R8773018**
7.0	1.19	6096	2240	235.09	3	120	C	56C	RBQ8773-235.09-M5-00	**R8773019**
7.0	2.03	6761	3800	260.72	3	173	C	56C	RBQ8873-260.72-M5-00	**R8873094**
6.0	1.86	7353	3800	283.57	3	173	C	56C	RBQ8873-283.57-M5-00	**R8873095**
6.0	1.70	8044	3800	310.23	3	243	C	143-5TC	RBQ8874-310.23-M7-00	**R8874016**
5.0	1.64	8374	3800	322.95	3	173	C	56C	RBQ8873-322.95-M5-00	**R8873096**
5.0	1.50	9109	3800	351.29	3	243	C	143-5TC	RBQ8874-351.29-M7-00	**R8874017**
4.0	1.32	10380	3800	400.30	3	243	C	143-5TC	RBQ8874-400.30-M7-00	**R8874018**
4.0	1.19	11543	3800	445.16	3	243	C	143-5TC	RBQ8874-445.16-M7-00	**R8874019**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 110057

MOTOR SELECTIONS

3/4 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110057**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**110047**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**114213**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**110177**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**098032**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**098069**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

1 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
503	5.02	120	204	3.48	2	11	A	56C	PBQ7172-3.48-M5-B1	**P7172001.B1**
405	4.04	149	216	4.32	2	11	A	56C	PBQ7172-4.32-M5-B1	**P7172002.B1**
318	3.17	190	230	5.50	2	11	A	56C	PBQ7172-5.50-M5-B1	**P7172003.B1**
275	2.73	220	250	6.36	2	11	A	56C	PBQ7172-6.36-M5-B1	**P7172004.B1**
275	2.73	220	376	6.36	2	11	A	56C	PBQ7272-6.36-M5-B1	**P7272004.B1**
241	2.40	251	260	7.26	2	11	A	56C	PBQ7172-7.26-M5-B1	**P7172005.B1**
241	4.24	251	391	7.26	2	11	A	56C	PBQ7272-7.26-M5-B1	**P7272005.B1**
222	2.21	273	266	7.89	2	11	A	56C	PBQ7172-7.89-M5-B1	**P7172006.B1**
222	3.70	273	400	7.89	2	11	A	56C	PBQ7272-7.89-M5-B1	**P7272006.B1**
194	2.56	312	277	9.02	2	11	A	56C	PBQ7172-9.02-M5-B1	**P7172007.B1**
194	3.41	312	412	9.02	2	11	A	56C	PBQ7272-9.02-M5-B1	**P7272007.B1**
174	2.30	348	284	10.04	2	11	A	56C	PBQ7172-10.04-M5-B1	**P7172008.B1**
174	3.42	348	420	10.04	2	11	A	56C	PBQ7272-10.04-M5-B1	**P7272008.B1**
157	4.73	385	1150	11.14	2	30	C	56C	RBQ8372-11.14-M5-00	**R8372014**
150	1.98	403	293	11.64	2	11	A	56C	PBQ7172-11.64-M5-B1	**P7172009.B1**
150	2.95	403	445	11.64	2	11	A	56C	PBQ7272-11.64-M5-B1	**P7272009.B1**
137	4.13	440	1150	12.74	2	30	C	56C	RBQ8372-12.74-M5-00	**R8372015**
132	1.74	458	305	13.26	2	11	A	56C	PBQ7172-13.26-M5-B1	**P7172010.B1**
132	2.60	458	474	13.26	2	11	A	56C	PBQ7272-13.26-M5-B1	**P7272010.B1**
128	3.85	473	1150	13.67	2	30	C	56C	RBQ8372-13.67-M5-00	**R8372016**
127	8.22	475	1470	13.75	2	51	C	56C	RBQ8472-13.75-M5-00	**R8472009**
114	1.50	531	321	15.37	2	11	A	56C	PBQ7172-15.37-M5-B1	**P7172011.B1**
114	2.24	531	510	15.37	2	11	A	56C	PBQ7272-15.37-M5-B1	**P7272011.B1**
107	7.04	568	1560	16.43	2	51	C	56C	RBQ8472-16.43-M5-00	**R8472010**
106	1.40	571	335	16.48	2	11	A	56C	PBQ7172-16.48-M5-B1	**P7172012.B1**
106	2.03	571	520	16.48	2	11	A	56C	PBQ7272-16.48-M5-B1	**P7272012.B1**
105	4.36	576	711	16.62	2	23	A	56C	PBQ7472-16.62-M5-B1	**P7472011.B1**
105	3.16	576	1150	16.66	2	30	C	56C	RBQ8372-16.66-M5-00	**R8372017**
100	6.63	605	1600	17.50	2	51	C	56C	RBQ8472-17.50-M5-00	**R8472011**
92	1.21	658	350	19.11	2	11	A	56C	PBQ7172-19.11-M5-B1	**P7172013.B1**
92	1.75	658	535	19.11	2	11	A	56C	PBQ7272-19.11-M5-B1	**P7272013.B1**
88	5.83	691	1600	20.00	2	51	C	56C	RBQ8472-20.00-M5-00	**R8472012**
87	3.60	695	780	20.10	2	23	A	56C	PBQ7472-20.10-M5-B1	**P7472012.B1**
84	2.53	718	1150	20.77	2	30	C	56C	RBQ8372-20.77-M5-00	**R8372018**
82	5.44	742	1600	21.47	2	51	C	56C	RBQ8572-21.47-M5-00	**R8572013**
81	1.07	747	374	21.54	2	11	A	56C	PBQ7172-21.54-M5-B1	**P7172014.B1**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 110098

MOTOR SELECTIONS

1 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110058**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**110048**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**1144638**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**110204**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**108022**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**108023**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

1 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
81	1.60	747	562	21.54	2	11	A	56C	PBQ7272-21.54-M5-B1	**P7272014.B1**
79	1.04	766	375	22.26	2	11	A	56C	PBQ7172-22.26-M5-B1	**P7172015.B1**
79	1.55	766	562	22.26	2	11	A	56C	PBQ7272-22.26-M5-B1	**P7272015.B1**
70	2.10	866	1150	25.04	2	30	C	56C	RBQ8372-25.04-M5-00	**R8372019**
70	2.66	864	877	24.98	2	23	A	56C	PBQ7472-24.98-M5-B1	**P7472013.B1**
70	4.69	864	1600	25.00	2	51	C	56C	RBQ8472-25.00-M5-00	**R8472014**
65	1.25	931	615	26.77	2	11	A	56C	PBQ7272-26.77-M5-B1	**P7272016.B1**
64	4.33	938	1600	27.14	2	51	C	56C	RBQ8472-27.14-M5-00	**R8472015**
61	1.84	995	1150	28.79	2	30	C	56C	RBQ8372-28.79-M5-00	**R8372020**
60	1.17	1008	629	29.40	2	11	A	56C	PBQ7272-29.40-M5.B1	**P7272017.B1**
60	2.48	1008	900	29.41	2	23	A	56C	PBQ7472-29.41-M5.B1	**P7472014.B1**
59	3.97	1024	1600	29.62	2	51	C	56C	RBQ8472-29.62-M5-00	**R8472016**
54	1.42	1124	1600	32.50	2	51	C	56C	RBQ8472-32.50-M5-00	**R8472017**
52	1.06	1164	645	33.50	3	12	A	56C	PBQ7273-33.50-M5-B1	**P7273001.B1**
52	2.10	1164	918	34.01	3	24	A	56C	PBQ7473-34.01-M5-B1	**P7473001.B1**
52	2.96	1164	1060	34.01	3	29	A	56C	PBQ7573-34.01-M5-B1	**P7573023.B1**
49	2.03	1235	922	35.58	2	23	A	56C	PBQ7472-35.58-M5-B1	**P7472015.B1**
49	3.30	1242	1600	35.91	2	51	C	56C	RBQ8472-35.91-M5-00	**R8472018**
48	1.46	1264	1150	36.56	2	30	C	56C	RBQ8372-36.56-M5-00	**R8372021**
44	1.80	1375	988	39.79	3	24	A	56C	PBQ7473-39.79-M5-B1	**P7473002.B1**
44	2.53	1375	1192	39.79	3	29	A	56C	PBQ7573-39.79-M5-B1	**P7573024.B1**
43	1.72	1407	988	40.50	2	23	A	56C	PBQ7472-40.50-M5-B1	**P7472016.B1**
43	1.82	1407	1192	40.50	2	28	A	56C	PBQ7572-40.50-M5-B1	**P7572035.B1**
40	1.50	1513	1012	44.23	2	23	A	56C	PBQ7472-44.23-M5-B1	**P7472017.B1**
40	1.21	1525	1150	44.10	2	30	C	56C	RBQ8372-44.10-M5-00	**R8372022**
40	1.83	1513	1304	44.23	2	28	A	56C	PBQ7572-44.23-M5-B1	**P7572036.B1**
39	2.64	1556	1600	45.00	2	51	C	56C	RBQ8472-45.00-M5-00	**R8472019**
37	1.51	1635	1028	47.22	3	24	A	56C	PBQ7473-47.22-M5-B1	**P7473003.B1**
37	2.13	1635	1323	47.22	3	29	A	56C	PBQ7573-47.22-M5-B1	**P7573025.B1**
36	1.42	1681	1028	49.00	2	23	A	56C	PBQ7472-49-B1-M5-B1	**P7472018.B1**
36	1.64	1681	1330	49.00	2	28	A	56C	PBQ7572-49.00-M5-B1	**P7572037.B1**
35.0	1.01	1745	1150	50.47	2	30	C	56C	RBQ8372-50.47-M5-00	**R8372023**
34.0	2.33	1772	1600	51.25	2	51	C	56C	RBQ8472-51.25-M5-00	**R8472020**
32.0	1.31	1891	1041	54.73	3	24	A	56C	PBQ7473-54.73-M5-B1	**P7473004.B1**
32.0	1.84	1891	1354	54.73	3	29	A	56C	PBQ7573-54.73-M5-B1	**P7573026.B1**
31.0	2.14	1929	1600	55.79	3	64	C	56C	RBQ8473-55.79-M5-00	**R8473001**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 110098

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

MOTOR SELECTIONS

1 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110058**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**110048**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**1144638**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**110204**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**108022**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**108023**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

1 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
31.0	1.25	1952	1050	57.13	3	24	A	56C	PBQ7473-57.13-M5-B1	**P7473005.B1**
31.0	1.76	1952	1354	57.13	3	29	A	56C	PBQ7573-57.13-M5-B1	**P7573027.B1**
29.0	1.04	2086	1050	60.90	2	23	A	56C	PBQ7472-60.90-M5-B1	**P7472019.B1**
29.0	1.33	2086	1367	60.90	2	28	A	56C	PBQ7572-60.90-M5-B1	**P7572038.B1**
28.0	1.93	2133	1600	61.69	3	64	C	56C	RBQ8473-61.69-M5-00	**R8473002**
26.0	1.08	2327	1075	66.22	3	24	A	56C	PBQ7473-66.22-M5-B1	**P7473006.B1**
26.0	1.75	2351	1600	68.00	3	64	C	56C	RBQ8473-68.00-M5-00	**R8473003**
26.0	1.52	2327	1398	66.22	3	29	A	56C	PBQ7573-66.22-M5-B1	**P7573028.B1**
25.0	1.01	2420	1079	71.01	3	24	A	56C	PBQ7473-71.01-M5-B1	**P7473007.B1**
25.0	1.42	2420	1398	71.01	3	29	A	56C	PBQ7573-71.01-M5-B1	**P7573029.B1**
23.0	1.58	2618	1600	75.71	3	64	C	56C	RBQ8473-75.71-M5-00	**R8473004**
23.0	1.31	2631	1414	76.69	3	29	A	56C	PBQ7573-76.69-M5-B1	**P7573030.B1**
21.0	1.84	2925	1700	84.59	3	95	C	56C	RBQ8673-84.59-M5-00	**R8673005**
21.0	1.41	2930	1600	84.76	3	64	C	56C	RBQ8473-84.76-M5-00	**R8473005**
21.0	1.22	2881	1422	82.30	3	29	A	56C	PBQ7573-82.30-M5-B1	**P7573031.B1**
20.0	2.43	2990	2240	86.48	3	120	C	56C	RBQ8773-86.48-M5-00	**R8773009**
20.0	2.39	3039	2240	87.89	3	120	C	56C	RBQ8773-87.89-M5-00	**R8773010**
19.0	1.30	3191	1600	92.29	3	64	C	56C	RBQ8473-92.29-M5-00	**R8473006**
19.0	1.09	3184	1430	92.78	3	29	A	56C	PBQ7573-92.78-M5-B1	**P7573033.B1**
17.0	1.17	3534	1600	102.22	3	64	C	56C	RBQ8473-102.22-M5-00	**R8473007**
16.0	1.96	3704	2240	107.12	3	120	C	56C	RBQ8773-107.12-M5-00	**R8773011**
16.0	1.40	3826	1700	110.67	3	95	C	56C	RBQ8673-110.67-M5-00	**R8673007**
15.0	1.04	3977	1600	115.03	3	64	C	56C	RBQ8473-115.03-M5-00	**R8473008**
14.0	1.22	4398	1700	127.22	3	95	C	56C	RBQ8573-127.22-M5-00	**R8673008**
13.0	1.62	4495	2240	130.00	3	120	C	56C	RBQ8773-130.00-M5-00	**R8773012**
13.0	1.57	4617	2240	133.53	3	120	C	56C	RBQ8773-133.53-M5-00	**R8773013**
12.0	1.41	5166	2240	149.43	3	120	C	56C	RBQ8773-149.43-M5-00	**R8773014**
11.0	1.30	5568	2240	161.04	3	120	C	56C	RBQ8773-161.04-M5-00	**R8773015**
9.0	1.13	6400	2240	185.10	3	120	C	56C	RBQ8773-185.10-M5-00	**R8773016**
9.0	1.93	7081	2240	204.80	3	173	C	56C	RBQ8873-204.80-M5-00	**R8873019**
8.0	1.75	7823	3800	226.28	3	173	C	56C	RBQ8873-226.28-M5-00	**R8873020**
8.0	1.73	7915	3800	228.92	3	173	C	56C	RBQ8873-228.92-M5-00	**R8873021**
7.0	1.52	9014	3800	260.72	3	173	C	56C	RBQ8873-260.72-M5-00	**R8873022**
6.0	1.40	9804	3800	283.57	3	173	C	56C	RBQ8873-283.57-M5-00	**R8873023**
6.0	1.28	10726	3800	310.23	4	243	C	56C	RBQ8874-310.23-M5-00	**R8874016**
5.0	1.23	11166	2240	322.95	3	173	C	56C	RBQ8873-332.95-M5-00	**R8773024**
5.0	1.13	12145	3800	351.29	4	243	C	56C	RBQ8874-351.29-M5-00	**R8874017**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 110098

MOTOR SELECTIONS

1 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110058**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	56C	**110048**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**1144638**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**110204**	66
SCR Rated DC Motor	90 VDC	TEFC	56C	**108022**	81
SCR Rated DC Motor	180 VDC	TEFC	56C	**108023**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

1.5 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
503	3.34	180	204	3.48	2	11	A	143-5TC	PBQ7172-3.48-M7-B1	**P7172023.B1**
405	2.69	224	216	4.32	2	11	A	143-5TC	PBQ7172-4.32-M7-B1	**P7172024.B1**
405	3.46	224	289	4.32	2	11	A	143-5TC	PBQ7272-4.32-M7-B1	**P7272024.B1**
366	5.16	248	1150	4.78	2	30	C	56C	RBQ8372-4.78-M5-00	**R8372006**
320	4.51	284	1150	5.47	2	30	C	56C	RBQ8372-5.47-M5-00	**R8372007**
318	2.11	285	230	5.50	2	11	A	143-5TC	PBQ7172-5.50-M7-B1	**P7172025.B1**
318	3.11	285	350	5.50	2	11	A	143-5TC	PBQ7272-5.50-M7-B1	**P7272025.B1**
298	4.20	304	1150	5.87	2	30	C	56C	RBQ8372-5.87-M5-00	**R8372008**
285	4.53	318	1150	6.13	2	30	C	56C	RBQ8372-6.13-M5-00	**R8372009**
275	1.82	330	250	6.36	2	11	A	56C	PBQ7172-6.36-M5-B1	**P7172004.B1**
275	2.88	330	376	6.36	2	11	A	143-5TC	PBQ7272-6.36-M7-B1	**P7272026.B1**
255	4.10	356	1150	6.86	2	30	C	56C	RBQ8372-6.86-M5-00	**R8372010**
241	1.60	377	260	7.26	2	11	A	56C	PBQ7172-7.26-M5-B1	**P7172005.B1**
241	2.83	377	391	7.26	2	11	A	143-5TC	PBQ7272-7.26-M7-B1	**P7272027.B1**
232	5.88	391	568	7.54	2	23	A	143-5TC	PBQ7472-7.63-M7-B1	**P7472025.B1**
227	3.71	399	1150	7.70	2	30	C	56C	RBQ8372-7.70-M5-00	**R8372011**
222	1.47	409	266	7.89	2	11	A	56C	PBQ7172-7.89-M5-B1	**P7172006.B1**
222	2.47	409	400	7.89	2	11	A	143-5TC	PBQ7272-7.89-M7-B1	**P7272028.B1**
220	5.82	413	579	7.96	2	23	A	143-5TC	PBQ7472-7.96-M7-B1	**P7472026.B1**
202	3.45	450	1150	8.67	2	30	C	56C	RBQ8372-8.67-M5-00	**R8372012.B1**
194	1.71	468	277	9.02	2	11	A	56C	PBQ7172-9.02-M5-B1	**P7172007.B1**
194	2.27	468	412	9.02	2	11	A	143-5TC	PBQ7272-9.02-M7-B1	**P7272029.B1**
193	7.34	470	1290	9.06	2	51	C	143-5TC	RBQ8472-9.06-M7-00	**R8472027**
185	5.11	491	615	9.45	2	23	A	143-5TC	PBQ7472-9.45-M7-B1	**P7472027.B1**
179	3.17	508	1150	9.80	2	30	C	56C	RBQ8372-9.80-M5-00	**R8372013**
174	1.53	522	284	10.04	2	11	A	56C	PBQ7172-10.04-M5-B1	**P7172008.B1**
174	2.28	522	420	10.04	2	11	A	143-5TC	PBQ7272-10.04-M7-B1	**P7272030.B1**
166	6.75	546	1340	10.52	2	51	C	143-5TC	RBQ8472-10.52-M7-00	**R8472028**
157	2.94	578	1150	11.14	2	30	C	56C	RBQ8372-11.14-M5-00	**R8372014**
153	4.39	593	658	11.43	2	23	A	143-5TC	PBQ7472-11.43-M7-B1	**P7472028.B1**
150	1.32	605	293	11.64	2	11	A	56C	PBQ7172-11.64-M5-B1	**P7172009.B1**
150	1.97	605	445	11.64	2	11	A	56C	PBQ7272-11.64-M5-B1	**P7272009.B1**
137	2.63	661	1150	12.74	2	30	C	56C	RBQ8372-12.74-M5-00	**R8372015**
132	1.16	688	305	13.26	2	11	A	56C	PBQ7172-13.26-M5-B1	**P7172010.B1**
132	1.73	688	476	13.26	2	11	A	56C	PBQ7272-13.26-M5-B1	**P7272010.B1**
128	2.51	709	1150	13.67	2	30	C	56C	RBQ8372-13.67-M5-00	**R8372016**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 110420

MOTOR SELECTIONS

1.5 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110420**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	140TC	**120037**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**116743**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**111444**	66
SCR Rated DC Motor	180 VDC	TEFC	56C	**108092**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS
R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

1.5 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
127	5.48	713	1470	13.75	2	51	C	143-5TC	RBQ8472-13.75-M7-00	**R8472029**
123	3.12	738	693	14.21	2	23	A	143-5TC	PBQ7472-14.21-M7-B1	**P7472029.B1**
114	1.00	796	321	15.37	2	11	A	56C	PBQ7172-15.37-M5-B1	**P7172011.B1**
114	1.49	796	508	15.37	2	11	A	56C	PBQ7272-15.37-M5-B1	**P7272011.B1**
107	4.69	852	1560	16.43	2	51	C	143-5TC	RBQ8472-16.43-M7-00	**R8472030**
106	1.35	856	520	16.48	2	11	A	56C	PBQ7272-16.48-M5-B1	**P7272012.B1**
105	2.08	864	1150	16.66	2	30	C	56C	RBQ8372-16.66-M5-00	**R8372017**
105	2.91	864	711	16.62	2	23	A	143-5TC	PBQ7472-16.62-M7-B1	**P7472030.B1**
100	4.42	908	1600	17.50	2	51	C	56C	RBQ8472-17.50-M5-00	**R8472011**
92	1.17	986	535	19.11	2	11	A	56C	PBQ7272-19.11-M5-B1	**P7272013.B1**
88	3.89	1037	1600	20.00	2	51	C	143-5TC	RBQ8472-20.00-M7-00	**R8472032**
87	2.40	1043	780	20.10	2	23	A	143-5TC	PBQ7472-20.10-M7-B1	**P7472031.B1**
87	3.65	1043	900	20.10	2	28	A	143-5TC	PBQ7572-20.10-M7-B1	**P7572069.B1**
84	1.68	1077	1150	20.77	2	30	C	56C	RBQ8372-20.77-M5-00	**R8372018**
82	3.63	1113	1600	21.47	2	51	C	143-5TC	RBQ8472-21.47-M7-00	**R8472033**
81	1.07	1120	562	21.54	2	11	A	56C	PBQ7272-21.54-M5-B1	**P7272014.B1**
70	1.40	1299	1150	25.04	2	30	C	56C	RBQ8372-25.04-M5-00	**R8372019**
70	1.77	1297	877	24.98	2	23	A	143-5TC	PBQ7472-24.98-M7-B1	**P7472032.B1**
70	2.93	1297	944	24.98	2	28	A	143-5TC	PBQ7572-24.98-M7-B1	**P7572070.B1**
64	2.88	1407	1600	27.14	2	51	C	143-5TC	RBQ8472-27.14-M7-00	**R8472035**
61	1.23	1493	1150	28.79	2	30	C	56C	RBQ8372-28.79-M5-00	**R8372020**
60	1.65	1513	900	29.41	2	23	A	56C	PBQ7472-29.41-M5-B1	**P7472014.B1**
60	1.97	1513	1012	29.41	2	28	A	143-5TC	PBQ7572-29.41-M7-B1	**P7572071.B1**
59	2.65	1536	1600	29.62	2	51	C	143-5TC	RBQ8472-29.62-M7-00	**R8472036**
54	2.43	1685	1600	32.50	2	51	C	143-5TC	RBQ8472-32.50-M7-00	**R8472037**
52	1.40	1745	918	34.01	3	24	A	56C	PBQ7473-34.01-M5-B1	**P7473001.B1**
52	1.97	1745	1060	34.01	3	29	A	143-5TC	PBQ7573-34.01-M7-B1	**P7573067.B1**
49	1.62	1852	1079	35.58	2	28	A	143-5TC	PBQ7572-35.58-M7-B1	**P7572034.B1**
49	2.20	1862	1600	35.91	2	51	C	143-5TC	RBQ8472-35.91-M7-00	**R8472038**
44	1.20	2063	988	39.79	3	24	A	56C	PBQ7473-39.79-M5-B1	**P7473002.B1**
44	1.69	2063	1192	39.79	3	29	A	143-5TC	PBQ7573-39.79-M7-B1	**P7573024.B1**
43.0	1.15	2111	988	40.50	2	23	A	56C	PBQ7472-40.50-M5-B1	**P7472016.B1**
43.0	1.22	2111	1192	40.50	2	28	A	56C	PBQ7572-40.50-M5-B1	**P7572035.B1**
40.0	1.00	2269	1012	44.23	2	23	A	56C	PBQ7472-44.23-M5-B1	**P7472017.B1**
40.0	1.22	2269	1304	44.23	2	28	A	56C	PBQ7572-44.23-M5-B1	**P7572036.B1**
39.0	1.76	2334	1600	45.00	2	51	C	143-5TC	RBQ8472-45.00-M7-00	**R8472039**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 110420

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

MOTOR SELECTIONS

1.5 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110420**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	140TC	**120037**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**116743**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**111444**	66
SCR Rated DC Motor	180 VDC	TEFC	56C	**108092**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

1.5 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
37.0	1.01	2453	1028	47.22	3	24	A	56C	PBQ7473-47.22-M5-B1	**P7473003.B1**
37.0	1.42	2453	1330	47.22	3	29	A	56C	PBQ7573-47.22-M5-B1	**P7573025.B1**
36.0	1.09	2521	1330	49.00	2	28	A	56C	PBQ7572-49.00-M5-B1	**P7572037.B1**
34.0	1.55	2658	1600	51.25	2	51	C	143-5TC	RBQ8472-51.25-M7-00	**R8472040**
32.0	1.23	2836	1354	54.73	3	29	A	56C	PBQ7573-54.73-M5-B1	**P7573026.B1**
31.0	1.42	2893	1600	55.79	3	64	C	56C	RBQ8473-55.79-M5-00	**R8473001**
31.0	1.17	2928	1354	57.13	3	29	A	56C	PBQ7573-57.13-M5-B1	**P7573027.B1**
29.0	1.71	3132	1700	60.40	3	95	C	143-5TC	RBQ8673-60.4-M7-00	**R8673017**
28.0	1.29	3199	1600	61.69	3	64	C	56C	RBQ8473-61.69-M5-00	**R8473002**
27.0	1.59	3375	1700	65.07	3	95	C	143-5TC	RBQ8673-65.07-M7-00	**R8673018**
26.0	1.01	3491	1398	66.22	3	29	A	56C	PBQ7573-66.22-M5-B1	**P7573028.B1**
26.0	1.17	3527	1600	68.00	3	64	C	56C	RBQ8473-68.00-M5-00	**R8473003**
24.0	1.40	3835	1700	73.94	3	95	C	56C	RBQ8673-73.94-M5-00	**R8673004**
23.0	1.05	3926	1600	75.71	3	64	C	56C	RBQ8473-75.71-M5-00	**R8473004**
21.0	1.71	4248	2240	81.92	3	120	C	143-5TC	RBQ8773-81.92-M7-00	**R8773030**
20.0	1.62	4485	2240	86.48	3	120	C	143-5TC	RBQ8773-87.89-M7-00	**R8773031**
20.0	1.59	4558	2240	87.89	3	120	C	143-5TC	RBQ8773-87.89-M7-00	**R8773032**
16.0	1.31	5555	2240	107.12	3	120	C	56C	RBQ8773-107.12-M5-00	**R8773011**
13.0	1.08	6742	2240	130.00	3	120	C	56C	RBQ8773-130.00-M5-00	**R8773012**
13.0	1.05	6925	2240	133.53	3	120	C	56C	RBQ8773-133.53-M5-00	**R8773013**
12.0	1.75	7813	3800	150.66	3	173	C	143-5TC	RBQ8873-150.66-M7-00	**R8873037**
11.0	1.68	8170	3800	157.54	3	173	C	143-5TC	RBQ8873-157.54-M7-00	**R8873038**
11.0	1.60	8574	3800	165.33	3	173	C	143-5TC	RBQ8873-165.33-M7-00	**R8873039**
10.0	1.54	8870	3800	171.04	3	173	C	143-5TC	RBQ8873-171.04-M7-00	**R8873040**
10.0	1.45	9474	3800	182.68	3	173	C	56C	RBQ8873-182.68-M5-00	**R8873017**
9.0	1.42	9678	3800	186.62	3	173	C	56C	RBQ8873-186.62-M5-00	**R8873018**
9.0	1.29	10621	3800	204.80	3	173	C	56C	RBQ8873-204.80-M5-00	**R8873019**
8.0	1.17	11735	3800	226.28	3	173	C	56C	RBQ8873-226.28-M5-00	**R8873020**
8.0	1.15	11872	3800	228.92	3	173	C	56C	RBQ8873-228.92-M5-00	**R8873021**
7.0	2.19	12157	4460	234.41	3	318	C	143-5TC	RBQ8973-234.41-M7-00	**R8973035**
7.0	1.01	13521	4460	260.72	3	173	C	56C	RBQ8873-260.72-M5-00	**R8873022**
6.0	1.81	14660	4460	282.68	3	318	C	143-5TC	RBQ8973-282.68-M7-00	**R8973037**
6.0	1.63	16287	4460	314.06	3	318	C	143-5TC	RBQ8973-314.06-M7-00	**R8973038**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8172001 – 110420

MOTOR SELECTIONS

1.5 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**110420**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	140TC	**120037**	24
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	56C	**116743**	18, 24
575 Volt Motor	575 3-PH	TEFC	56C	**111444**	66
SCR Rated DC Motor	180 VDC	TEFC	56C	**108092**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

2 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
503	2.50	241	204	3.48	2	11	A	143-5TC	PBQ7172-3.48-M7-B1	**P7172023.B1**
503	2.94	241	268	3.48	2	11	A	143-5TC	PBQ7272-3.48-M7-B1	**P7272023.B1**
405	2.01	299	216	4.32	2	11	A	143-5TC	PBQ7172-4.32-M7-B1	**P7172024.B1**
405	2.60	299	289	4.32	2	11	A	143-5TC	PBQ7272-4.32-M7-B1	**P7272024.B1**
366	3.87	331	1150	4.78	2	30	C	143-5TC	RBQ8372-4.78-M7-00	**R8372029**
320	3.38	378	1150	5.47	2	30	C	143-5TC	RBQ8372-5.47-M7-00	**R8372030**
318	1.58	381	230	5.50	2	11	A	143-5TC	PBQ7172-5.50-M7-B1	**P7172025.B1**
318	2.34	381	350	5.50	2	11	A	143-5TC	PBQ7272-5.50-M7-B1	**P7272025.B1**
298	3.15	406	1150	5.87	2	30	C	143-5TC	RBQ8372-5.87-M7-00	**R8372031**
293	7.88	414	1080	5.98	2	51	C	143-5TC	RBQ8472-5.98-M7-00	**R8472025**
288	5.25	420	522	6.07	2	23	A	143-5TC	PBQ7472-6.07-M7-00	**P7472023.B1**
285	3.40	424	1150	6.13	2	30	C	143-5TC	RBQ8372-6.13-M7-00	**R8372032**
275	1.37	440	250	6.36	2	11	A	143-5TC	PBQ7172-6.36-M7-B1	**P7172026.B1**
275	2.16	440	376	6.36	2	11	A	143-5TC	PBQ7272-6.36-M7-B1	**P7272026.B1**
257	5.11	471	540	6.81	2	23	A	143-5TC	PBQ7472-6.81-M7-B1	**P7472024.B1**
255	3.08	474	1150	6.86	2	30	C	143-5TC	RBQ8372-6.86-M7-00	**R8372033**
244	6.75	495	3340	7.16	2	51	C	143-5TC	RBQ8472-7.16-M7-00	**R8472026**
241	1.20	502	260	7.26	2	11	A	143-5TC	PBQ7172-7.26-M7-B1	**P7172027.B1**
241	2.12	502	391	7.26	2	11	A	143-5TC	PBQ7272-7.26-M7-B1	**P7272027.B1**
232	4.41	522	568	7.54	2	23	A	143-5TC	PBQ7472-7.54-M7-B1	**P7472025.B1**
227	2.78	532	1150	7.70	2	30	C	143-5TC	RBQ8372-7.70-M7-00	**R8372034**
222	1.10	545	266	7.89	2	11	A	143-5TC	PBQ7172-7.89-M7-B1	**P7172028.B1**
222	1.85	545	400	7.89	2	11	A	143-5TC	PBQ7272-7.89-M7-B1	**P7272028.B1**
220	4.37	550	579	7.96	2	23	A	143-5TC	PBQ7472-7.96-M7-B1	**P7472026.B1**
202	2.59	600	1150	8.67	2	30	C	143-5TC	RBQ8372-8.22-M7-00	**R8372035**
194	1.28	624	277	9.02	2	11	A	143-5TC	PBQ7172-9.02-M7-B1	**P7172029.B1**
194	1.71	624	412	9.02	2	11	A	143-5TC	PBQ7272-9.02-M7-B1	**P7272029.B1**
193	5.51	626	1290	9.06	2	51	C	143-5TC	RBQ8472-9.06-M7-00	**R8472027**
185	3.83	654	615	9.45	2	23	A	143-5TC	PBQ7472-9.45-M7-B1	**P7472027.B1**
179	2.38	678	1150	9.80	2	30	C	143-5TC	RBQ8372-9.80-M7-00	**R8372036**
174	1.15	695	284	10.04	2	11	A	143-5TC	PBQ7172-10.04-M7-B1	**P7172030.B1**
174	1.71	695	420	10.04	2	11	A	143-5TC	PBQ7272-10.04-M7-B1	**P7272030.B1**
166	5.06	727	1340	10.52	2	51	C	143-5TC	RBQ8472-10.52-M7-00	**R8472028**
157	2.21	770	1150	11.14	2	30	C	143-5TC	RBQ8372-11.14-M7-00	**R8372037**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372029 – 112136

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

MOTOR SELECTIONS

2 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**112136**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	140TC	**120038**	25
575 Volt Motor	575 3-PH	TEFC	145TC	**120178**	66
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	145TC	**121065**	18, 25
SCR Rated DC Motor	180 VDC	TEFC	145TC	**128010**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

2 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
503	2.50	241	204	3.48	2	11	A	143-5TC	PBQ7172-3.48-M7-B1	**P7172023.B1**
503	2.94	241	268	3.48	2	11	A	143-5TC	PBQ7272-3.48-M7-B1	**P7272023.B1**
405	2.01	299	216	4.32	2	11	A	143-5TC	PBQ7172-4.32-M7-B1	**P7172024.B1**
405	2.60	299	289	4.32	2	11	A	143-5TC	PBQ7272-4.32-M7-B1	**P7272024.B1**
366	3.87	331	1150	4.78	2	30	C	143-5TC	RBQ8372-4.78-M7-00	**R8372029**
320	3.38	378	1150	5.47	2	30	C	143-5TC	RBQ8372-5.47-M7-00	**R8372030**
318	1.58	381	230	5.50	2	11	A	143-5TC	PBQ7172-5.50-M7-B1	**P7172025.B1**
318	2.34	381	350	5.50	2	11	A	143-5TC	PBQ7272-5.50-M7-B1	**P7272025.B1**
298	3.15	406	1150	5.87	2	30	C	143-5TC	RBQ8372-5.87-M7-00	**R8372031**
293	7.88	414	1080	5.98	2	51	C	143-5TC	RBQ8472-5.98-M7-00	**R8472025**
288	5.25	420	522	6.07	2	23	A	143-5TC	PBQ7472-6.07-M7-00	**P7472023.B1**
285	3.40	424	1150	6.13	2	30	C	143-5TC	RBQ8372-6.13-M7-00	**R8372032**
275	1.37	440	250	6.36	2	11	A	143-5TC	PBQ7172-6.36-M7-B1	**P7172026.B1**
275	2.16	440	376	6.36	2	11	A	143-5TC	PBQ7272-6.36-M7-B1	**P7272026.B1**
257	5.11	471	540	6.81	2	23	A	143-5TC	PBQ7472-6.81-M7-B1	**P7472024.B1**
255	3.08	474	1150	6.86	2	30	C	143-5TC	RBQ8372-6.86-M7-00	**R8372033**
244	6.75	495	3340	7.16	2	51	C	143-5TC	RBQ8472-7.16-M7-00	**R8472026**
241	1.20	502	260	7.26	2	11	A	143-5TC	PBQ7172-7.26-M7-B1	**P7172027.B1**
241	2.12	502	391	7.26	2	11	A	143-5TC	PBQ7272-7.26-M7-B1	**P7272027.B1**
232	4.41	522	568	7.54	2	23	A	143-5TC	PBQ7472-7.54-M7-B1	**P7472025.B1**
227	2.78	532	1150	7.70	2	30	C	143-5TC	RBQ8372-7.70-M7-00	**R8372034**
222	1.10	545	266	7.89	2	11	A	143-5TC	PBQ7172-7.89-M7-B1	**P7172028.B1**
222	1.85	545	400	7.89	2	11	A	143-5TC	PBQ7272-7.89-M7-B1	**P7272028.B1**
220	4.37	550	579	7.96	2	23	A	143-5TC	PBQ7472-7.96-M7-B1	**P7472026.B1**
202	2.59	600	1150	8.67	2	30	C	143-5TC	RBQ8372-8.22-M7-00	**R8372035**
194	1.28	624	277	9.02	2	11	A	143-5TC	PBQ7172-9.02-M7-B1	**P7172029.B1**
194	1.71	624	412	9.02	2	11	A	143-5TC	PBQ7272-9.02-M7-B1	**P7272029.B1**
193	5.51	626	1290	9.06	2	51	C	143-5TC	RBQ8472-9.06-M7-00	**R8472027**
185	3.83	654	615	9.45	2	23	A	143-5TC	PBQ7472-9.45-M7-B1	**P7472027.B1**
179	2.38	678	1150	9.80	2	30	C	143-5TC	RBQ8372-9.80-M7-00	**R8372036**
174	1.15	695	284	10.04	2	11	A	143-5TC	PBQ7172-10.04-M7-B1	**P7172030.B1**
174	1.71	695	420	10.04	2	11	A	143-5TC	PBQ7272-10.04-M7-B1	**P7272030.B1**
166	5.06	727	1340	10.52	2	51	C	143-5TC	RBQ8472-10.52-M7-00	**R8472028**
157	2.21	770	1150	11.14	2	30	C	143-5TC	RBQ8372-11.14-M7-00	**R8372037**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372029 – 112136

MOTOR SELECTIONS

2 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**112136**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	140TC	**120038**	25
575 Volt Motor	575 3-PH	TEFC	145TC	**120178**	66
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	145TC	**121065**	18, 25
SCR Rated DC Motor	180 VDC	TEFC	145TC	**128010**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

IRONMAN

LeCENTRIC

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

2 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
153	3.29	791	658	11.43	2	23	A	143-5TC	PBQ7472-11.43-M7-B1	**P7472028.B1**
150	1.47	807	445	11.64	2	11	A	143-5TC	PBQ7272-11.64-M7-B1	**P7272031.B1**
137	1.98	881	1150	12.74	2	30	C	143-5TC	RBQ8372-12.74-M7-00	**R8372038**
132	1.30	917	476	13.26	2	11	A	143-5TC	PBQ7272-13.26-M7-B1	**P7272032.B1**
128	1.88	945	1150	13.67	2	30	C	143-5TC	RBQ8372-13.67-M7-00	**R8372039**
127	4.11	951	1470	13.75	2	51	C	143-5TC	RBQ8472-13.75-M7-00	**R8472029**
123	2.34	984	693	14.21	2	23	A	143-5TC	PBQ7472-14.21-M7-B1	**P7472029.B1**
123	3.87	984	850	14.21	2	28	A	143-5TC	PBQ7572-14.21-M7-B1	**P7572067.B1**
114	1.12	1061	508	15.37	2	11	A	143-5TC	PBQ7272-15.37-M7-B1	**P7272033.B1**
107	3.52	1136	1560	16.43	2	51	C	143-5TC	RBQ8472-16.43-M7-00	**R8472030**
106	1.02	1142	520	16.48	2	11	A	143-5TC	PBQ7272-16.48-M7-B1	**P7272034.B1**
105	2.18	1152	711	16.62	2	23	A	143-5TC	PBQ7472-16.62-M7-B1	**P7472030.B1**
105	1.56	1152	1150	16.66	2	30	C	143-5TC	RBQ8372-16.62-M7-00	**R8372040**
88	2.91	1383	1600	20.00	2	51	C	143-5TC	RBQ8472-20.00-M7-00	**R8472032**
87	1.80	1391	780	20.10	2	23	A	143-5TC	PBQ7472-20.10-M7-B1	**P7472031.B1**
87	2.74	1391	900	20.10	2	28	A	143-5TC	PBQ7572-20.10-M7-B1	**P7572069.B1**
84	1.26	1436	1150	20.77	2	30	C	143-5TC	RBQ8372-20.77-M7-00	**R8372041**
70	1.33	1729	877	24.98	2	23	A	143-5TC	PBQ7472-24.98-M7-B1	**P7472032.B1**
70	2.20	1729	944	24.98	2	28	A	143-5TC	PBQ7572-24.98-M7-B1	**P7572070.B1**
70	1.05	1731	1150	25.04	2	30	C	143-5TC	RBQ8372-25.04-M7-00	**R8372042**
64	2.16	1877	1600	27.14	2	51	C	143-5TC	RBQ8472-27.14-M7-00	**R8472035**
60	1.24	2017	900	29.41	2	23	A	143-5TC	PBQ7472-29.41-M7-B1	**P7472033.B1**
60	1.48	2017	1012	29.41	2	28	A	143-5TC	PBQ7572-29.41-M7-B1	**P7572071.B1**
59	1.99	2048	1600	29.62	2	51	C	143-5TC	RBQ8472-29.62-M7-00	**R8472036**
54	1.82	2247	1600	32.50	2	51	C	143-5TC	RBQ8472-32.50-M7-00	**R8472037**
52	1.05	2327	918	34.01	3	24	A	143-5TC	PBQ7473-34.01-M7-B1	**P7473023.B1**
52.0	1.48	2327	1060	34.01	3	29	A	143-5TC	PBQ7573-34.01-M7-B1	**P7573067.B1**
49.0	1.01	2470	922	35.58	2	23	A	143-5TC	PBQ7472-35.58-M7-B1	**P7472034.B1**
49.0	1.65	2483	1600	35.91	2	51	C	143-5TC	RBQ8472-35.91-M7-00	**R8472038**
44.0	1.27	2750	1192	39.79	3	29	A	143-5TC	PBQ7573-39.79-M7-B1	**P7573068.B1**
39.0	1.32	3112	1600	45.00	2	51	C	56C	RBQ8472-45.00-M5-00	**R8472039**
38.0	1.67	3207	1700	46.38	2	80	C	143-5TC	RBQ8672-46.38-M7-00	**R8672047**
37.0	1.07	3270	1330	47.22	3	29	A	143-5TC	PBQ7573-47.22-M7-B1	**P7573069.B1**
34.0	2.06	3518	2240	50.87	3	120	C	143-5TC	RBQ8773-50.87-M7-00	**R8773023**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:

R8372029 – 112136

MOTOR SELECTIONS

2 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**112136**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	140TC	**120038**	25
575 Volt Motor	575 3-PH	TEFC	145TC	**120178**	66
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	145TC	**121065**	18, 25
SCR Rated DC Motor	180 VDC	TEFC	145TC	**128010**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

2 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
34.0	1.16	3544	1600	51.25	2	51	C	56C	RBQ8472-51.25-M7-00	**R8472040**
34.0	1.50	3566	1700	51.57	2	80	C	56C	RBQ8672-51.57-M5-00	**R8672024**
31.0	1.88	3854	2240	55.74	3	120	C	143-5TC	RBQ8773-55.74-M5-00	**R8773024**
31.0	1.07	3858	1600	55.79	3	64	C	56C	RBQ8473-55.79-M5-00	**R8473001**
31.0	1.34	3893	1700	56.30	3	95	C	56C	RBQ8673-56.30-M5-00	**R8673031**
30.0	1.82	3997	2240	57.81	3	120	C	143-5TC	RBQ8773-57.81-M7-00	**R8773025**
29.0	1.29	4152	1700	60.04	3	95	C	56C	RBQ8673-60.04-M5-00	**R8673032**
28.0	1.67	4357	2240	63.01	3	120	C	143-5TC	RBQ8773-63.01-M7-00	**R8773026**
26.0	1.59	4573	2240	66.13	3	120	C	143-5TC	RBQ8773-66.13-M7-00	**R8773027**
26.0	2.99	4582	3800	66.27	3	173	C	143-5TC	RBQ8873-66.27-M7-00	**R8873027**
25.0	2.83	4837	3800	69.95	3	173	C	143-5TC	RBQ8873-69.95-M7-00	**R8873028**
25.0	1.48	4906	2240	70.95	3	120	C	56C	RBQ8773-70.95-M5-00	**R8773028**
24.0	1.47	4952	2240	71.61	3	120	C	56C	RBQ8773-71.61-M5-00	**R8773029**
21.0	1.28	5665	2240	81.92	3	120	C	56C	RBQ8773-81.92-M5-00	**R8773030**
21.0	2.37	5779	3800	83.58	3	173	C	143-5TC	RBQ8873-83.58-M7-00	**R8873029**
20.0	1.21	5980	2240	86.48	3	120	C	56C	RBQ8773-86.48-M5-00	**R8773031**
20.0	2.29	5992	3800	86.65	3	173	C	143-5TC	RBQ8773-86.65-M7-00	**R8873030**
20.0	1.18	6156	2240	89.03	3	173	C	143-5TC	RBQ8773-89.03-M7-00	**R8773031**
17.0	1.91	7159	3800	103.53	3	173	C	143-5TC	RBQ8873-103.53-M7-00	**R8873032**
13.0	1.46	9356	3800	135.30	3	173	C	56C	RBQ8873-135.3-M5-00	**R8873011**
12.0	1.32	10418	3800	150.66	3	173	C	56C	RBQ8873-150.66-M5-00	**R8873013**
11.0	1.26	10893	3800	157.54	3	173	C	56C	RBQ8873-157.54-M5-00	**R8873014**
11.0	2.39	11109	4460	160.66	3	318	C	143-5TC	RBQ8973-160.66-M7-00	**R8973031**
11.0	1.20	11432	3800	165.33	3	173	C	56C	RBQ8873-165.33-M5-00	**R8873015**
10.0	1.16	11827	3800	171.04	3	173	C	56C	RBQ8873-171.04-M5-00	**R8873016**
10.0	1.08	12632	3800	182.68	3	173	C	56C	RBQ8873-182.68-M5-00	**R8873017**
9.0	2.08	12798	4460	185.09	3	318	C	143-5TC	RBQ8973-185.09-M7-00	**R8973032**
9.0	1.06	12904	3800	186.62	3	173	C	56C	RBQ8873-186.62-M5-00	**R8873018**
9.0	1.93	13761	4460	199.01	3	318	C	143-5TC	RBQ8973-199.01-M7-00	**R8973033**
8.0	1.72	15435	4460	223.22	3	318	C	143-5TC	RBQ8973-223.22-M7-00	**R8973034**
7.0	1.64	16209	4460	234.41	3	318	C	143-5TC	RBQ8973-234.41-M7-00	**R8973035**
7.0	1.55	17149	4460	248.00	3	318	C	143-5TC	RBQ8973-248.00-M7-00	**R8973036**
6.0	1.36	19547	4460	282.68	3	318	C	56C	RBQ8973-282.68-M5-00	**R8973037**
6.0	1.22	21716	4460	314.06	3	318	C	56C	RBQ8973-314.06-M5-00	**R8973038**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372029 – 112136

MOTOR SELECTIONS

2 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	115/208-230 1-PH	TEFC	56C	**112136**	22
General Purpose, C Face	208-230/460 3-PH	TEFC	140TC	**120038**	25
575 Volt Motor	575 3-PH	TEFC	145TC	**120178**	66
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	145TC	**121065**	18, 25
SCR Rated DC Motor	180 VDC	TEFC	145TC	**128010**	81

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS
R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

3 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
529	3.20	343	1150	3.31	2	30	C	143-5TC	RBQ8372-3.31-M7-00	**R8372026**
503	1.67	361	204	3.48	2	11	A	143-5TC	PBQ7172-3.48-M7-B1	**P7172023.B1**
503	1.96	361	268	3.48	2	11	A	143-5TC	PBQ7272-3.48-M7-B1	**P7272023.B1**
485	3.93	374	450	3.61	2	25	A	182-4TC	PBQ7472-3.61-M9-B1	**P7472039.B1**
470	3.03	386	1150	3.72	2	30	C	143-5TC	RBQ8372-3.72-M7-00	**R8372027**
416	2.93	437	1150	4.21	2	30	C	143-5TC	RBQ8372-3.87-M7-00	**R8372028**
414	4.09	438	474	4.23	2	25	A	182-4TC	PBQ7472-4.23-M9-B1	**P7472040.B1**
405	1.34	448	216	4.32	2	11	A	143-5TC	PBQ7172-4.32-M7-B1	**P7172024.B1**
405	1.73	448	289	4.32	2	11	A	143-5TC	PBQ7272-4.32-M7-B1	**P7272024.B1**
366	2.58	496	1150	4.78	2	30	C	143-5TC	RBQ8372-4.78-M7-00	**R8372029**
349	4.23	520	491	5.01	2	25	A	182-4TC	PBQ7472-5.01-M9-B1	**P7472041.B1**
320	2.26	567	1150	5.47	2	30	C	143-5TC	RBQ8372-5.47-M7-00	**R8372030**
318	1.56	571	350	5.50	2	11	A	143-5TC	PBQ7272-5.50-M7-B1	**P7272025.B1**
298	2.40	609	1150	5.87	2	30	C	143-5TC	RBQ8372-5.87-M7-00	**R8372031**
293	5.26	620	1080	5.98	2	51	C	182-4TC	RBQ8472-5.98-M9-00	**R8472045**
289	3.50	628	522	6.07	2	25	A	182-4TC	PBQ7472-6.07-M9-B1	**P7472042.B1**
285	2.26	636	1150	6.13	2	30	C	143-5TC	RBQ8372-6.13-M7-00	**R8372032**
275	1.44	660	376	6.36	2	11	A	143-5TC	PBQ7272-6.36-M7-B1	**P7272026.B1**
257	3.41	706	540	6.81	2	25	A	182-4TC	PBQ7472-6.81-M9-B1	**P7472043.B1**
257	4.05	706	646	6.81	2	30	A	182-4TC	PBQ7572-6.81-M9-B1	**P7572100.B1**
255	2.05	712	1150	6.86	2	30	C	143-5TC	RBQ8372-6.68-M7-00	**R8372033**
241	1.41	753	391	7.26	2	11	A	143-5TC	PBQ7272-7.26-M7-B1	**P7272027.B1**
232	2.94	782	568	7.54	2	25	A	182-4TC	PBQ7472-7.54-M9-B1	**P7472044.B1**
227	1.85	799	1150	7.70	2	30	C	143-5TC	RBQ8372-7.70-M7-00	**R8372034**
222	1.23	818	400	7.89	2	11	A	143-5TC	PBQ7272-7.89-M7-B1	**P7272028.B1**
220	2.91	825	579	7.96	2	25	A	182-4TC	PBQ7472-7.96-M9-B1	**P7472045.B1**
220	3.85	825	663	7.96	2	30	A	182-4TC	PBQ7572-7.96-M9-B1	**P7572102.B1**
202	1.79	899	1150	8.67	2	30	C	143-5TC	RBQ8372-8.67-M7-00	**R8372035**
194	1.14	936	412	9.02	2	11	A	143-5TC	PBQ7272-9.02-M7-B1	**P7272029.B1**
193	3.67	940	1290	9.06	2	51	C	182-4TC	RBQ8472-9.06-M9-00	**R8472047**
185	2.55	981	615	9.45	2	25	A	182-4TC	PBQ7472-9.45-M9-B1	**P7472046.B1**
185	3.06	981	674	9.45	2	30	A	182-4TC	PBQ7572-9.45-M9-B1	**P7572103.B1**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:

R8372026 – 131491

MOTOR SELECTIONS

3 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	182TC	**131491**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	182TC	**131503**	18, 25
575 Volt Motor	575 3-PH	TEFC	182TC	**131498**	66

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

3 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
179	1.67	1016	1150	9.80	2	30	C	143-5TC	RBQ8372-9.80-M7-00	**R8372036**
174	1.14	1043	420	10.04	2	11	A	143-5TC	PBQ7272-10.04-M7-B1	**P7272030.B1**
166	3.37	1091	1340	10.52	2	51	C	182-4TC	RBQ8472-10.52-M9-00	**R8472048**
157	1.47	1155	1150	11.14	2	30	C	143-5TC	RBQ8372-11.14-M7-00	**R8372037**
153	2.19	1186	658	11.43	2	25	A	182-4TC	PBQ7472-11.43-M9-B1	**P7472047.B1**
137	1.32	1321	1150	12.74	2	30	C	143-5TC	RBQ8372-12.74-M7-00	**R8372038**
128	1.26	1418	1150	13.67	2	30	C	143-5TC	RBQ8372-13.67-M7-00	**R8372039**
127	2.74	1426	1470	13.75	2	51	C	182-4TC	RBQ8472-13.75-M9-00	**R8472049**
123	1.56	1476	693	14.21	2	25	A	182-4TC	PBQ7472-14.21-M9-B1	**P7472048.B1**
123	2.58	1476	850	14.21	2	30	A	182-4TC	PBQ7572-14.21-M9-B1	**P7572105.B1**
107	2.35	1704	1600	16.43	2	51	C	182-4TC	RBQ8472-16.43-M9-00	**R8472050**
105	1.04	1728	1150	16.66	2	30	C	143-5TC	RBQ8372-16.66-M7-00	**R8372040**
105	1.45	1729	711	16.62	2	25	A	182-4TC	PBQ7472-16.62-M9-B1	**P7472049.B1**
105	2.20	1729	872	16.62	2	30	A	182-4TC	PBQ7572-16.62-M9-B1	**P7572106.B1**
100	2.21	1815	1600	17.50	2	51	C	182-4TC	RBQ8472-17.50-M9-00	**R8472051**
88	1.94	2074	1600	20.00	2	51	C	182-4TC	RBQ8472-20.00-M9-00	**R8472052**
87	1.20	2086	780	20.10	2	23	A	143-5TC	PBQ7472-20.10-M7-B1	**P7472031.B1**
87	1.82	2086	900	20.10	2	30	A	182-4TC	PBQ7572-20.10-M9-B1	**P7572107.B1**
82	1.81	2227	1600	21.47	2	51	C	182-4TC	RBQ8472-21.47-M9-00	**R8472053**
70	1.56	2593	1600	25.00	2	51	C	182-4TC	RBQ8472-25.00-M9-00	**R8472054**
70	1.47	2593	944	24.98	2	28	A	143-5TC	PBQ7572-24.98-M7-B1	**P7572070.B1**
67	1.94	2716	1700	26.19	2	95	C	182-4TC	RBQ8672-26.19-M9-00	**R8672068**
64	1.44	2815	1600	27.14	2	51	C	143-5TC	RBQ8472-27.14-M7-00	**R8472035**
59.	1.32	3072	1600	29.62	2	51	C	143-5TC	RBQ8472-29.62-M7-00	**R8472036**
56	2.22	3268	2240	31.51	2	116	C	182-4TC	RBQ8772-31.51-M9-00	**R8772066**
54	1.21	3371	1600	32.50	2	51	C	143-5TC	RBQ8472-32.50-M7-00	**R8472037**
54	1.57	3374	1700	32.53	2	95	C	182-4TC	RBQ8672-32.53-M9-00	**R8672069**
49	1.10	3725	1600	35.91	2	51	C	143-5TC	RBQ8472-35.91-M7-00	**R8472038**
39	1.56	4642	2240	44.75	2	116	C	182-4TC	RBQ8772-44.75-M9-00	**R8772068**
38	1.11	4811	1700	46.38	2	80	C	143-5TC	RBQ8672-46.38-M7-00	**R8672071**
35.0	1.41	5157	2240	49.72	2	101	C	143-5TC	RBQ8772-49.72-M7-00	**R8772069**
35.0	2.60	5157	3800	49.72	2	191	C	182-4TC	RBQ8872-49.72-M9-00	**R8872066**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372026 – 131491

MOTOR SELECTIONS

3 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	182TC	**131491**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	182TC	**131503**	18, 25
575 Volt Motor	575 3-PH	TEFC	182TC	**131498**	66

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

3 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
34.0	1.38	5276	2240	50.87	3	120	C	143-5TC	RBQ8773-50.87-M7-00	**R8773023**
34.0	1.00	5349	1700	51.57	2	80	C	143-5TC	RBQ8672-51.57-M7-00	**R8672072**
33.0	2.47	5549	3800	53.50	3	193	C	182-4TC	RBQ8873-53.50-M9-00	**R8873049**
31.0	1.26	5781	2240	55.74	3	120	C	143-5TC	RBQ8773-55.74-M7-00	**R8773024**
30.0	1.21	5996	2240	57.81	3	120	C	143-5TC	RBQ8773-57.81-M7-00	**R8773025**
28.0	1.11	6535	2240	63.01	3	120	C	143-5TC	RBQ8773-63.01-M7-00	**R8773026**
26.0	1.06	6859	2240	66.13	3	120	C	143-5TC	RBQ8773-66.13-M7-00	**R8773027**
26.0	1.99	6874	3800	66.27	3	193	C	182-4TC	RBQ8873-66.27-M9-00	**R8873051**
25.0	1.89	7255	3800	69.95	3	193	C	182-4TC	RBQ8873-69.95-M9-00	**R8873052**
25.0	3.64	7304	4460	70.42	3	360	C	182-4TC	RBQ8973-70.42-M9-00	**R8973042**
22.0	3.20	8323	4460	80.24	3	360	C	182-4TC	RBQ8973-80.24-M9-00	**R8973043**
21.0	1.58	8669	3800	83.58	3	193	C	182-4TC	RBQ8873-83.58-M9-00	**R8873053**
20.0	1.52	8987	3800	86.65	3	193	C	182-4TC	RBQ8873-86.65-M9-00	**R8873054**
20.0	2.88	9232	4460	89.01	3	360	C	182-4TC	RBQ8973-89.01-M9-00	**R8973044**
17.0	1.28	10738	3800	103.53	3	173	C	143-5TC	RBQ8873-103.53-M7-00	**R8873032**
17.0	2.44	10915	4460	105.23	3	360	C	182-4TC	RBQ8973-105.23-M9-00	**R8973045**
16.0	1.20	11438	3800	110.28	3	173	C	143-5TC	RBQ8873-110.28-M7-00	**R8873033**
14.0	1.05	13072	3800	126.03	3	173	C	143-5TC	RBQ8873-126.03-M7-00	**R8873034**
14.0	2.02	13159	4460	126.87	3	360	C	182-4TC	RBQ8973-126.87-M9-00	**R8973047**
13.0	1.92	13822	4460	133.26	3	360	C	182-4TC	RBQ8973-133.26-M9-00	**R8973048**
11.0	1.63	16300	4460	157.15	3	360	C	182-4TC	RBQ8973-157.15-M9-00	**R8973049**
11.0	1.60	16664	4460	160.66	3	360	C	182-4TC	RBQ8973-160.66-M9-00	**R8973050**
9.0	1.39	19198	4460	185.09	3	318	C	143-5TC	RBQ8973-185.09-M7-00	**R8973032**
9.0	1.29	20642	4460	199.01	3	318	C	143-5TC	RBQ8973-199.01-M7-00	**R8973033**
8.0	1.77	21564	6500	207.90	3	428	C	182-4TC	RBQ81073-207.9-M9-00	**R81073050**
8.0	1.15	23153	4460	223.22	3	318	C	143-5TC	RBQ8973-223.22-M7-00	**R8973034**
7.0	1.09	24313	4460	234.41	3	318	C	143-5TC	RBQ8973-234.41-M7-00	**R8973035**
7.0	1.43	26714	6500	257.56	3	428	C	182-4TC	RBQ81073-257.56-M9-00	**R81073051**
6.0	1.28	29680	6500	286.15	3	428	C	182-4TC	RBQ81073-286.15-M9-00	**R81073052**
6.0	1.24	30630	6500	295.31	3	428	C	182-4TC	RBQ81073-295.31-M9-00	**R81073053**
5.0	1.12	34030	6500	328.09	3	428	C	182-4TC	RBQ81073-328.09-M9-00	**R81073054**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:

R8372026 – 131491

MOTOR SELECTIONS

3 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	182TC	**131491**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	182TC	**131503**	18, 25
575 Volt Motor	575 3-PH	TEFC	182TC	**131498**	66

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

5 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
665	2.24	455	530	2.63	2	35	C	182-4TC	RBQ8372-2.63-M9-00	**R8372047**
593	2.08	510	550	2.95	2	35	C	182-4TC	RBQ8372-2.95-M9-00	**R8372048**
568	3.31	532	1010	3.08	2	66	C	182-4TC	RBQ8472-3.08-M9-00	**R8472042**
529	1.92	572	570	3.31	2	35	C	182-4TC	RBQ8372-3.31-M9-00	**R8372049**
485	2.36	624	450	3.61	2	25	A	182-4TC	PBQ7472-3.61-M9-B1	**P7472039.B1**
470	1.82	643	580	3.72	2	35	C	182-4TC	RBQ8372-3.72-M9-00	**R8372050**
449	2.79	674	1090	3.90	2	66	C	182-4TC	RBQ8472-3.90-M9-00	**R8472043**
416	1.76	728	590	4.21	2	35	C	182-4TC	RBQ8372-4.21-M9-00	**R8372051**
414	2.45	731	474	4.23	2	25	A	182-4TC	PBQ7472-4.23-M9-B1	**P7472040.B1**
387	2.52	781	1140	4.52	2	66	C	182-4TC	RBQ8472-4.52-M9-00	**R8472044**
366	1.55	826	620	4.78	2	35	C	182-4TC	RBQ8372-4.78-M9-00	**R8372052**
349	2.65	867	491	5.01	2	25	A	182-4TC	PBQ7472-5.01-M9-B1	**P7472041.B1**
349	2.65	867	603	5.01	2	30	A	182-4TC	PBQ7572-5.01-M9-B1	**P7572098.B1**
320	1.35	946	650	5.47	2	35	C	182-4TC	RBQ8372-5.47-M9-00	**R8372053**
298	1.26	1015	680	5.87	2	35	C	182-4TC	RBQ8372-5.87-M9-00	**R8372054**
293	3.15	1034	1080	5.98	2	66	C	182-4TC	RBQ8472-5.98-M9-00	**R8472045**
289	2.10	1047	522	6.07	2	25	A	182-4TC	PBQ7472-6.07-M9-B1	**P7472042.B1**
289	2.65	1047	629	6.07	2	30	A	182-4TC	PBQ7572-6.07-M9-B1	**P7572099.B1**
285	1.36	1060	710	6.13	2	35	C	182-4TC	RBQ8372-6.13-M9-00	**R8372055**
257	2.04	1177	540	6.81	2	25	A	182-4TC	PBQ7472-6.81-M9-B1	**P7472043.B1**
257	2.43	1177	646	6.81	2	30	A	182-4TC	PBQ7572-6.81-M9-B1	**P7572100.B1**
255	1.23	1186	740	6.86	2	35	C	182-4TC	RBQ8372-6.86-M9-00	**R8372056**
244	2.70	1238	1180	7.16	2	61	C	182-4TC	RBQ8472-7.16-M9-00	**R8472046**
232	1.76	1304	568	7.54	2	25	A	182-4TC	PBQ7472-7.54-M9-B1	**P7472044.B1**
232	2.39	1304	658	7.54	2	30	A	182-4TC	PBQ7572-7.54-M9-B1	**P7572101.B1**
227	1.11	1331	770	7.70	2	35	C	182-4TC	RBQ8372-7.70-M9-00	**R8372057**
220	1.75	1375	579	7.96	2	25	A	182-4TC	PBQ7472-7.96-M9-B1	**P7472045.B1**
220	2.31	1375	663	7.96	2	30	A	182-4TC	PBQ7572-7.96-M9-B1	**P7572102.B1**
202	1.03	1499	790	8.67	2	35	C	182-4TC	RBQ8372-8.67-M9-00	**R8372058**
193	2.20	1566	1290	9.06	2	66	C	182-4TC	RBQ8472-9.06-M9-00	**R8472047**
193	3.73	1571	1710	9.09	2	116	C	182-4TC	RBQ8772-9.09-M9-00	**R8772059**
185	1.53	1635	615	9.45	2	25	A	182-4TC	PBQ7472-9.45-M9-B1	**P7472046.B1**
185	1.84	1635	674	9.45	2	30	C	182-4TC	PBQ7572-9.45-M9-B1	**P7572103.B1**
166	2.02	1819	1340	10.52	2	66	C	182-4TC	RBQ8472-10.52-M9-00	**R8472048**
156	2.40	1945	1700	11.25	2	95	C	182-4TC	RBQ8672-11.25-M9-00	**R8672063**
153	1.32	1977	658	11.43	2	25	A	182-4TC	PBQ7472-11.43-M9-B1	**P7472047.B1**
153	1.74	1977	778	11.43	2	30	A	182-4TC	PBQ7572-11.43-M9-B1	**P7572104.B1**
138	2.90	2197	1830	12.71	2	116	C	182-4TC	RBQ8772-12.71-M9-00	**R8772062**
136	2.16	2227	1700	12.88	2	95	C	182-4TC	RBQ8672-12.88-M9-00	**R8672064**
127	1.64	2377	1470	13.75	2	66	C	182-4TC	RBQ8472-13.75-M9-00	**R8472049**
123	1.55	2460	850	14.21	2	30	A	182-4TC	PBQ7572-14.21-M9-B1	**P7572105.B1**
112	1.86	2698	1700	15.61	2	95	C	182-4TC	RBQ8672-15.61-M9-00	**R8672065**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372047 – 131492

MOTOR SELECTIONS

5 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	184TC	**131492**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	184TC	**131501**	18, 25
575 Volt Motor	575 3-PH	TEFC	184TC	**131499**	66

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

5 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
107	1.41	2840	1560	16.43	2	51	C	143-5TC	RBQ8472-16.43-M7-00	**R8472030**
105	1.32	2881	872	16.62	2	30	A	182-4TC	PBQ7572-16.62-M9-B1	**P7572106.B1**
100	1.33	3025	1600	17.50	2	51	C	143-5TC	RBQ8472-17.50-M7-00	**R8472031**
98	2.24	3086	2030	17.85	2	116	C	182-4TC	RBQ8772-17.85-M9-00	**R8772063**
96	1.59	3155	1700	18.25	2	95	C	182-4TC	RBQ8672-18.25-M9-00	**R8672066**
88	1.17	3457	1600	20.00	2	51	C	143-5TC	RBQ8472-20.00-M7-00	**R8472032**
87	1.09	3477	900	20.10	2	30	A	182-4TC	PBQ7572-20.10-M9-B1	**P7572107.B1**
83	1.99	3648	2150	21.10	2	116	C	182-4TC	RBQ8772-21.10-M9-00	**R8772064**
83	3.64	3648	2750	21.10	2	191	C	182-4TC	RBQ8872-21.10-M9-00	**R8872062**
82	1.09	3711	1600	21.47	2	51	C	143-5TC	RBQ8472-21.47-M7-00	**R8472033**
81	1.39	3743	1700	21.65	2	95	C	182-4TC	RBQ8672-21.65-M9-00	**R8672067**
69	3.02	4398	3000	25.44	2	191	C	182-4TC	RBQ8872-25.44-M9-00	**R8872063**
69	1.65	4398	2150	25.44	2	116	C	182-4TC	RBQ8772-25.44-M9-00	**R8772065**
67	1.16	4527	1700	26.19	2	80	C	143-5TC	RBQ8672-26.19-M7-00	**R8672044**
56	1.33	5447	2200	31.51	2	116	C	143-5TC	RBQ8772-31.51-M7-00	**R8772043**
56	2.44	5447	3400	31.51	2	191	C	182-4TC	RBQ8872-31.51-M9-00	**R8872064**
47	1.13	6415	2240	37.11	2	116	C	143-5TC	RBQ8772-37.11-M7-00	**R8772044**
39	1.73	7736	3800	44.75	2	191	C	182-4TC	RBQ8872-44.75-M9-00	**R8872065**
35.0	1.56	8595	3800	49.72	2	191	C	182-4TC	RBQ8872-49.72-M9-00	**R8872066**
33.0	1.48	9248	3800	53.50	3	173	C	143-5TC	RBQ8873-53.50-M7-00	**R8873025**
31.0	1.39	9873	3800	57.11	3	173	C	143-5TC	RBQ8873-57.11-M7-00	**R8873026**
30.0	2.68	9924	4460	57.41	3	360	C	182-4TC	RBQ8973-57.41-M9-00	**R8973039**
28.0	2.47	10751	4460	62.19	3	360	C	182-4TC	RBQ8973-62.19-M9-00	**R8973040**
28.0	2.43	10955	4460	63.37	3	360	C	182-4TC	RBQ8973-63.37-M9-00	**R8973041**
26.0	1.20	11456	3800	66.27	3	173	C	143-5TC	RBQ8873-66.27-M7-00	**R8873027**
26.0	2.02	11593	4460	67.06	2	305	C	182-4TC	RBQ8972-67.06-M9-00	**R8972021**
25.0	1.13	12092	3800	69.95	3	173	C	143-5TC	RBQ8873-69.95-M7-00	**R8873028**
22.0	1.92	13871	4460	80.24	3	360	C	182-4TC	RBQ8973-80.24-M9-00	**R8973043**
20.0	1.73	15387	4460	89.01	3	360	C	182-4TC	RBQ8973-89.01-M9-00	**R8973044**
17.0	2.15	17754	6500	102.70	3	428	C	182-4TC	RBQ81073-102.70-M9-00	**R81073043**
17.0	1.46	18191	4460	105.23	3	318	C	143-5TC	RBQ8973-105.23-M7-00	**R8973026**
16.0	1.37	19486	4460	112.72	3	318	C	143-5TC	RBQ8973-112.72-M7-00	**R8973027**
15.0	1.87	20357	6500	117.76	3	428	C	182-4TC	RBQ81073-117.76-M9-00	**R81073044**
14.0	1.82	20991	6500	121.43	3	428	C	182-4TC	RBQ81073-121.43-M9-00	**R81073045**
14.0	1.21	21932	4460	126.87	3	318	C	143-5TC	RBQ8973-126.87-M7-00	**R8973028**
13.0	1.15	23036	4460	133.26	3	318	C	143-5TC	RBQ8973-133.26-M7-00	**R8973029**
13.0	1.58	24068	6500	139.23	3	428	C	182-4TC	RBQ81073-139.23-M9-00	**R81073046**
12.0	1.51	25306	6500	146.39	3	428	C	182-4TC	RBQ81073-146.39-M9-00	**R81073047**
10.0	1.31	29016	6500	167.85	3	428	C	182-4TC	RBQ81073-167.85-M9-00	**R81073048**
10.0	1.22	31345	6500	181.32	3	428	C	182-4TC	RBQ81073-181.32-M9-00	**R81073049**
8.00	1.06	35939	6500	207.90	3	428	C	182-4TC	RBQ81073-207.90-M9-00	**R81073050**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372047 – 131492

MOTOR SELECTIONS

5 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	184TC	**131492**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	184TC	**131501**	18, 25
575 Volt Motor	575 3-PH	TEFC	184TC	**131499**	66

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

7.5 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
665	1.50	682	530	2.63	2	35	C	182-4TC	RBQ8327-2.45-M9-00	**R8372047**
593	1.39	765	550	2.95	2	35	C	182-4TC	RBQ8327-2.95-M9-00	**R8372048**
568	2.20	799	1010	3.08	2	61	C	182-4TC	RBQ8472-3.08-M9-00	**R8472042**
529	1.28	858	570	3.31	2	35	C	182-4TC	RBQ8372-3.31-M9-00	**R8372049**
485	1.57	936	450	3.61	2	25	A	182-4TC	PBQ7472-3.61-M9-B1	**P7472039.B1**
485	1.76	936	534	3.61	2	30	A	182-4TC	PBQ7572-3.61-M5-B1	**P7572096.B1**
470	1.21	965	580	3.72	2	35	C	182-4TC	RBQ8372-3.72-M9-00	**R8372050**
449	1.86	1011	1090	3.90	2	66	C	182-4TC	RBQ8472-3.90-M9-00	**R8472043**
416	1.17	1092	590	4.21	2	35	C	182-4TC	RBQ8372-4.21-M9-00	**R8372051**
414	1.64	1096	474	4.23	2	25	A	182-4TC	PBQ7472-4.23-M9-B1	**P7472040.B1**
414	1.76	1096	566	4.23	2	30	A	182-4TC	PBQ7572-4.23-M9-B1	**P7572097.B1**
387	1.68	1172	1140	4.52	2	66	C	182-4TC	RBQ8472-4.52-M9-00	**R8472044**
366	1.03	1239	620	4.78	2	35	C	182-4TC	RBQ8372-4.78-M9-00	**R8372052**
349	1.69	1300	491	5.01	2	25	A	182-4TC	PBQ7472-5.01-M9-B1	**P7472041.B1**
349	1.76	1300	603	5.01	2	30	A	182-4TC	PBQ7572-5.01-M9-B1	**P7572098.B1**
293	2.10	1551	1080	5.98	2	66	C	182-4TC	RBQ8572-5.98-M9-00	**R8572045**
289	1.40	1570	522	6.07	2	25	A	182-4TC	PBQ7472-6.07-M9-B1	**P7472042.B1**
289	1.76	1570	629	6.07	2	30	A	182-4TC	PBQ7572-6.07-M9-B1	**P7572099.B1**
257	1.36	1766	540	6.81	2	25	A	182-4TC	PBQ7472-6.81-M9-B1	**P7472043.B1**
257	1.62	1766	646	6.81	2	30	A	182-4TC	PBQ7572-6.81-M9-B1	**P7572100.B1**
244	1.80	1857	1180	7.16	2	66	C	182-4TC	RBQ8472-7.16-M9-00	**R8472046**
232	1.18	1956	568	7.54	2	25	A	182-4TC	PBQ7472-7.54-M9-B1	**P7472044.B1**
232	1.60	1956	658	7.54	2	30	A	182-4TC	PBQ7572-7.54-M9-B1	**P7572101.B1**
220	1.16	2063	579	7.96	2	25	A	182-4TC	PBQ7472-7.96-M9-B1	**P7472045.B1**
220	1.54	2063	663	7.96	2	30	A	182-4TC	PBQ7572-7.96-M9-B1	**P7572102.B1**
217	2.00	2087	1700	8.05	2	95	C	182-4TC	RBQ8672-8.05-M9-00	**R8672060**
216	2.71	2098	1710	8.09	2	116	C	182-4TC	RBQ8772-8.09-M9-00	**R8772058**
193	1.47	2349	1290	9.06	2	66	C	182-4TC	RBQ8472-9.06-M9-00	**R8472047**
192	1.82	2360	1700	9.10	2	95	C	182-4TC	RBQ8672-9.10-M9-00	**R8672061**
185	1.02	2453	615	9.45	2	25	A	182-4TC	PBQ7472-9.45-M9-B1	**P7472046.B1**
185	1.22	2453	674	9.45	2	30	A	182-4TC	PBQ7572-9.45-M9-B1	**P7572103.B1**
178	2.35	2554	1710	9.85	2	116	C	182-4TC	RBQ8772-9.85-M9-00	**R8772060**
177	1.73	2565	1700	9.89	2	95	C	182-4TC	RBQ8672-9.89-M9-00	**R8672062**
166	1.35	2728	1340	10.52	2	66	C	182-4TC	RBQ8472-10.52-M9-00	**R8472048**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372047 – 131492

MOTOR SELECTIONS

7.5 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	184TC	**131606**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	213TC	**140486**	18, 25

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS
R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

7.5 HP con't Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
157	2.09	2891	1780	11.15	2	116	C	182-4TC	RBQ8772-11.15-M9-00	**R8772061**
156	1.60	2917	1700	11.25	2	95	C	182-4TC	RBQ8672-11.25-M9-00	**R8672063**
153	1.16	2966	778	11.43	2	30	A	182-4TC	PBQ7572-11.43-M9-B1	**P7572104.B1**
138	1.93	3296	1830	12.71	2	116	C	182-4TC	RBQ8772-12.71-M9-00	**R8772062**
136	1.44	3340	1700	12.88	2	95	C	182-4TC	RBQ8672-12.88-M9-00	**R8672064**
127	1.10	3565	1470	13.75	2	66	C	182-4TC	RBQ8472-13.75-M9-00	**R8472049**
123	1.03	3689	850	14.21	2	30	A	182-4TC	PBQ7572-14.21-M9-B1	**P7572105.B1**
112	1.24	4048	1700	15.61	2	95	C	182-4TC	RBQ8672-15.61-M9-00	**R8672065**
98	1.49	4629	2030	17.85	2	116	C	182-4TC	RBQ8772-17.85-M9-00	**R8772063**
98	2.85	4629	2500	17.85	2	191	C	182-4TC	RBQ8872-17.85-M9-00	**R8872061**
96	1.10	4732	1700	18.25	2	95	C	182-4TC	RBQ8672-18.25-M9-00	**R8672066**
83	1.33	5471	2120	21.10	2	116	C	182-4TC	RBQ8772-21.10-M9-00	**R8772064**
83	2.42	5471	2750	21.10	2	191	C	182-4TC	RBQ8872-21.10-M9-00	**R8872062**
69	2.02	6597	3000	25.44	2	191	C	182-4TC	RBQ8872-25.44-M9-00	**R8872063**
69	1.10	6597	2150	25.44	2	116	C	182-4TC	RBQ8772-25.44-M9-00	**R8772065**
56	1.63	8171	3400	31.51	2	191	C	182-4TC	RBQ8872-31.51-M9-00	**R8872064**
46	2.34	9929	3370	38.29	2	305	C	182-4TC	RBQ8972-38.29-M9-00	**R8972018**
39	1.15	11604	3800	44.75	2	191	C	182-4TC	RBQ8872-44.75-M9-00	**R8872065**
39	2.00	11650	3370	44.93	2	305	C	182-4TC	RBQ8972-44.93-M9-00	**R8972019**
35.0	1.04	12893	3800	49.72	2	191	C	182-4TC	RBQ8872-49.72-M9-00	**R8872066**
30.0	1.79	14887	4460	57.41	3	360	C	182-4TC	RBQ8973-57.41-M9-00	**R8973039**
29.0	1.51	15522	3370	59.86	2	305	C	182-4TC	RBQ8972-59.86-M9-00	**R8972020**
28.0	1.65	16126	4460	62.19	3	360	C	182-4TC	RBQ8973-62.19-M9-00	**R8973040**
28.0	1.62	16432	4460	63.37	3	360	C	182-4TC	RBQ8973-63.37-M9-00	**R8973041**
26.0	1.35	17389	3370	67.06	2	305	C	182-4TC	RBQ8972-67.06-M9-00	**R8972021**
24.0	2.01	18960	6300	73.12	3	428	C	182-4TC	RBQ81073-73.12-M9-00	**R81073041**
22.0	1.28	20806	4460	80.24	3	360	C	182-4TC	RBQ8973-80.24-M9-00	**R8973043**
21.0	1.75	21740	6500	83.84	3	428	C	182-4TC	RBQ81073-83.84-M9-00	**R81073042**
20.0	1.15	23081	4460	89.01	3	360	C	182-4TC	RBQ8973-89.01-M9-00	**R8973044**
17.0	1.43	26630	6500	102.70	3	428	C	182-4TC	RBQ81073-102.7-M9-00	**R81073043**
15.0	1.25	30536	6500	117.76	3	428	C	182-4TC	RBQ81073-117.76-M9-00	**R81073044**
14.0	1.21	31487	6500	121.43	3	428	C	182-4TC	RBQ81073-121.43-M9-00	**R81073045**
13.0	1.06	36103	6500	139.23	3	428	C	182-4TC	RBQ81073-139.23-M9-00	**R81073046**
12.0	1.00	37959	6500	146.39	3	428	C	182-4TC	RBQ81073-146.39-M9-00	**R81073047**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™
Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number
1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372047 – 131492

MOTOR SELECTIONS

7.5 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	184TC	**131606**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	213TC	**140486**	18, 25

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

10 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
646	2.52	937	1270	2.71	2	95	C	213-5 TC	RBQ8672-2.71-M11-00	**R8672074**
574	2.35	1054	1310	3.05	2	95	C	213-5 TC	RBQ8672-3.05-M11-00	**R8672075**
530	2.26	1141	1330	3.30	2	95	C	213-5 TC	RBQ8672-3.30-M11-00	**R8672076**
469	2.09	1290	1370	3.73	2	95	C	213-5 TC	RBQ8672-3.73-M11-00	**R8672077**
432	1.97	1400	1420	4.05	2	95	C	213-5 TC	RBQ8672-4.05-M11-00	**R8672078**
380	1.80	1594	1470	4.61	2	95	C	213-5 TC	RBQ8672-4.61-M11-00	**R8672079**
331	1.63	1825	1540	5.28	2	95	C	213-5 TC	RBQ8672-5.28-M11-00	**R8672080**
298	1.81	2033	1550	5.88	2	95	C	213-5 TC	RBQ8672-5.88-M11-00	**R8672081**
265	1.64	2285	1640	6.61	2	95	C	213-5 TC	RBQ8672-6.61-M11-00	**R8672082**
235	1.53	2572	1690	7.44	2	95	C	213-5 TC	RBQ8672-7.44-M11-00	**R8672083**
217	1.50	2783	1700	8.05	2	95	C	213-5 TC	RBQ8672-8.05-M11-00	**R8672084**
216	2.03	2797	1685	8.09	2	116	C	213-5 TC	RBQ8772-8.09-M11-00	**R8772081**
193	1.86	3143	1710	9.09	2	116	C	213-5 TC	RBQ8772-9.09-M11-00	**R8772082**
192	1.37	3146	1700	9.10	2	95	C	213-5 TC	RBQ8672-9.10-M11-00	**R8672085**
178	1.76	3406	1710	9.85	2	116	C	213-5 TC	RBQ8772-9.85-M11-00	**R8772083**
177	1.30	3419	1700	9.89	2	95	C	213-5 TC	RBQ8672-9.89-M11-00	**R8672086**
164	3.15	3696	2200	10.69	2	191	C	213-5 TC	RBQ8872-10.69-M11-00	**R8872081**
156	1.20	3890	1700	11.25	2	95	C	213-5 TC	RBQ8672-11.25-M11-00	**R8672087**
138	2.77	4394	2350	12.71	2	191	C	213-5 TC	RBQ8872-12.71-M11-00	**R8872082**
138	1.45	4394	1830	12.71	2	116	C	213-5 TC	RBQ8772-12.71-M11-00	**R8772085**
136	1.08	4453	1700	12.88	2	95	C	213-5 TC	RBQ8672-12.88-M11-00	**R8672088**
98	1.12	6171	2030	17.85	2	116	C	213-5 TC	RBQ8772-17.85-M11-00	**R8772086**
98	2.14	6171	2500	17.85	2	191	C	213-5 TC	RBQ8872-17.85-M11-00	**R8872083**
83	1.00	7295	2120	21.10	2	116	C	213-5 TC	RBQ8772-21.10-M11-00	**R8772087**
83	1.82	7295	2750	21.10	2	191	C	213-5 TC	RBQ8872-21.10-M11-00	**R8872084**
69	1.51	8796	3000	25.44	2	191	C	213-5 TC	RBQ8872-25.44-M11-00	**R8872085**
56	1.22	10894	3400	31.51	2	191	C	213-5 TC	RBQ8872-31.51-M11-00	**R8872086**
46	1.75	13238	3370	38.29	2	305	C	213-5 TC	RBQ8972-38.29-M11-00	**R8972039**
39	1.50	15534	3370	44.93	2	305	C	213-5 TC	RBQ8972-44.93-M11-00	**R8972040**
30.0	1.34	19849	4460	57.41	3	370	C	213-5 TC	RBQ8973-57.41-M11-00	**R8973058**
32.0	2.02	18815	5550	54.42	3	428	C	213-5 TC	RBQ81073-54.42-M11-00	**R81073063**
29.0	1.13	20696	3370	59.86	2	305	C	213-5 TC	RBQ8972-59.86-M11-00	**R8972041**
29.0	1.84	20734	5750	59.97	3	428	C	213-5 TC	RBQ81073-59.97-M11-00	**R81073064**
28.0	1.79	21266	6000	61.51	3	428	C	213-5 TC	RBQ81073-61.51-M11-00	**R81073065**
28.0	1.24	21501	4460	62.19	3	370	C	213-5 TC	RBQ8973-62.19-M11-00	**R8973059**
28.0	1.77	21574	6000	62.40	3	428	C	213-5 TC	RBQ81073-62.40-M11-00	**R81073066**
28.0	1.21	21909	4460	63.37	3	370	C	213-5 TC	RBQ8973-63.37-M11-00	**R8973060**
26.0	1.01	23185	3370	67.06	2	305	C	213-5 TC	RBQ8972-67.06-M11-00	**R8972042**
25.0	1.56	24381	6300	70.52	3	428	C	213-5 TC	RBQ81073-70.52-M11-00	**R81073067**
24.0	1.51	25280	6300	73.12	3	428	C	213-5 TC	RBQ81073-73.12-M11-00	**R81073068**
21.0	1.31	28987	6500	83.84	3	428	C	213-5 TC	RBQ81073-83.84-M11-00	**R81073069**
17.0	1.07	35507	6500	102.70	3	428	C	213-5 TC	RBQ81073-102.70-M11-00	**R81073070**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8372074 – 140109

MOTOR SELECTIONS

10 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	215TC	**140109**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	215TC	**140484**	18, 25

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

15 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
732	1.90	1239	1280	2.39	2	116	C	254-5TC	RBQ8772-2.39-M13-00	**R8772093**
655	1.90	1385	1340	2.67	2	116	C	254-5TC	RBQ8772-2.67-M13-00	**R8772094**
585	1.81	1551	1350	2.99	2	116	C	254-5TC	RBQ8772-2.99-M13-00	**R8772095**
543	1.70	1670	1350	3.22	2	116	C	254-5TC	RBQ8772-3.22-M13-00	**R8772096**
483	1.53	1877	1450	3.62	2	116	C	254-5TC	RBQ8772-3.62-M13-00	**R8772097**
446	1.46	2033	1550	3.92	2	116	C	254-5TC	RBQ8772-3.92-M13-00	**R8772098**
394	1.33	2303	1620	4.44	2	116	C	254-5TC	RBQ8772-4.44-M13-00	**R8772099**
346	1.22	2624	1640	5.06	2	116	C	254-5TC	RBQ8772-5.06-M13-00	**R8772100**
291	1.68	3117	1685	6.01	2	116	C	254-5TC	RBQ8772-6.01-M13-00	**R8772101**
261	1.55	3480	1685	6.71	2	116	C	254-5TC	RBQ8772-6.71-M13-00	**R8772102**
233	1.43	3890	1685	7.50	2	116	C	254-5TC	RBQ8772-7.50-M13-00	**R8772103**
216	1.35	4196	1685	8.09	2	116	C	254-5TC	RBQ8772-8.09-M13-00	**R8772104**
193	1.24	4714	1710	9.09	2	116	C	254-5TC	RBQ8772-9.09-M13-00	**R8772105**
178	1.17	5108	1710	9.85	2	116	C	254-5TC	RBQ8772-9.85-M13-00	**R8772106**
164	2.10	5544	2200	10.69	2	191	C	254-5TC	RBQ8872-10.69-M13-00	**R8872103**
157	1.05	5782	1780	11.15	2	116	C	254-5TC	RBQ8772-11.15-M13-00	**R8772107**
138	1.85	6591	2350	12.71	2	191	C	254-5TC	RBQ8872-12.71-M13-00	**R8872104**
98	1.43	9257	2500	17.85	2	191	C	254-5TC	RBQ8872-17.85-M13-00	**R8872105**
83	1.21	10943	2750	21.10	2	191	C	254-5TC	RBQ8872-21.10-M13-00	**R8872106**
71	1.96	12732	3370	24.55	2	305	C	254-5TC	RBQ8972-24.55-M13-00	**R8972057**
69	1.01	13193	3000	25.44	2	191	C	254-5TC	RBQ8872-25.44-M13-00	**R8872107**
64	1.62	14262	3370	27.50	2	305	C	254-5TC	RBQ8972-27.50-M13-00	**R8972058**
56	1.43	16129	3370	31.10	2	305	C	254-5TC	RBQ8972-31.10-M13-00	**R8972059**
51	2.13	17923	4500	34.56	3	473	C	254-5TC	RBQ81073-34.56-M13-00	**R81073082**
46	1.17	19857	3370	38.29	2	305	C	254-5TC	RBQ8972-38.29-M13-00	**R8972060**
45	1.90	20013	4570	38.59	3	473	C	254-5TC	RBQ81073-38.59-M13-00	**R8107308**
44	1.85	20552	4850	39.63	3	473	C	254-5TC	RBQ81073-39.63-M13-00	**R81073084**
41	1.70	22378	5000	43.15	3	473	C	254-5TC	RBQ81073-43.15-M13-00	**R81073085**
39	1.00	23301	3370	44.93	2	305	C	254-5TC	RBQ8972-44.93-M13-00	**R8972061**
38	1.58	24141	5100	46.55	3	473	C	254-5TC	RBQ81073-46.55-M13-00	**R81073086**
35	1.49	25655	5300	49.47	3	473	C	254-5TC	RBQ81073-49.47-M13-00	**R81073087**
33	1.40	27123	5450	52.30	3	473	C	254-5TC	RBQ81073-52.30-M13-00	**R81073088**
33	1.38	27678	5500	53.37	3	473	C	254-5TC	RBQ81073-53.37-M13-00	**R81073089**
32.0	1.35	28223	5550	54.42	3	473	C	254-5TC	RBQ81073-54.42-M13-00	**R81073090**
29.0	1.23	31101	5750	59.97	3	473	C	254-5TC	RBQ81073-59.97-M13-00	**R81073091**
28.0	1.19	31899	6000	61.51	3	473	C	254-5TC	RBQ81073-61.51-M13-00	**R81073092**
28.0	1.18	32361	6000	62.40	3	473	C	254-5TC	RBQ81073-62.40-M13-00	**R81073093**
25.0	1.04	36572	6300	70.52	3	473	C	254-5TC	RBQ81073-70.52-M13-00	**R81073094**
24.0	1.00	37920	6300	73.12	3	473	C	254-5TC	RBQ81073-73.12-M13-00	**R81073095**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8772093 – 151350

MOTOR SELECTIONS

15 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	254TC	**151350**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	254TC	**171587**	18, 27

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

20 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
732	1.43	1653	1280	2.39	2	116	C	254-5TC	RBQ8772-2.39-M13-00	**R8772093**
655	1.42	1846	1340	2.67	2	116	C	254-5TC	RBQ8772-2.67-M13-00	**R8772094**
585	1.36	2068	1350	2.99	2	116	C	254-5TC	RBQ8772-2.99-M13-00	**R8772095**
543	1.28	2227	1350	3.22	2	116	C	254-5TC	RBQ8772-3.22-M13-00	**R8772096**
483	1.15	2503	1450	3.62	2	116	C	254-5TC	RBQ8772-3.62-M13-00	**R8772097**
464	2.02	2607	1850	3.77	2	191	C	254-5TC	RBQ8872-3.77-M13-00	**R8872094**
446	1.09	2711	1550	3.92	2	116	C	254-5TC	RBQ8772-3.92-M13-00	**R8772098**
411	1.86	2946	1860	4.26	2	191	C	254-5TC	RBQ8872-4.26-M13-00	**R8872095**
394	1.00	3070	1620	4.44	2	116	C	254-5TC	RBQ8772-4.44-M13-00	**R8772099**
346	1.64	3499	1880	5.06	2	191	C	254-5TC	RBQ8872-5.06-M13-00	**R8872096**
291	2.27	4156	1900	6.01	2	191	C	254-5TC	RBQ8872-6.01-M13-00	**R8872097**
261	2.13	4640	1980	6.71	2	191	C	254-5TC	RBQ8872-6.71-M13-00	**R8872098**
233	2.00	5186	2080	7.50	2	191	C	254-5TC	RBQ8872-7.50-M13-00	**R8872099**
216	1.90	5594	2100	8.09	2	191	C	254-5TC	RBQ8872-8.09-M13-00	**R8872100**
193	1.77	6286	2140	9.09	2	191	C	254-5TC	RBQ8872-9.09-M13-00	**R8872101**
185	1.71	6541	2150	9.46	2	191	C	254-5TC	RBQ8872-10.69-M13-00	**R8872102**
164	1.58	7392	2200	10.69	2	191	C	254-5TC	RBQ8872-10.69-M13-00	**R8872103**
138	1.39	8789	2350	12.71	2	191	C	254-5TC	RBQ8872-12.71-M13-00	**R8872104**
124	2.08	9798	3370	14.17	2	305	C	254-5TC	RBQ8972-14.17-M13-00	**R8972054**
98	1.07	12343	2500	17.85	2	191	C	254-5TC	RBQ8872-17.85-M13-00	**R8872105**
96	1.75	12619	3370	18.25	2	305	C	254-5TC	RBQ8972-18.25-M13-00	**R8972055**
87	1.67	13850	3370	20.03	2	305	C	254-5TC	RBQ8972-20.03-M13-00	**R8972056**
71	1.47	16976	3370	24.55	2	305	C	254-5TC	RBQ8972-24.55-M13-00	**R8972057**
70	2.20	17294	3900	25.01	2	443	C	254-5TC	RBQ81072-25.01-M13-00	**R81072054**
64	1.21	19016	3370	27.50	2	305	C	254-5TC	RBQ8972-27.50-M13-00	**R8972058**
62	1.94	19589	4200	28.33	2	443	C	254-5TC	RBQ81072-28.33-M13-00	**R81072055**
56	1.07	21505	3370	31.10	2	305	C	254-5TC	RBQ8972-31.10-M13-00	**R8972059**
54	1.70	22459	4350	32.48	2	443	C	254-5TC	RBQ81072-32.48-M13-00	**R81072056**
50	1.58	24181	4550	34.97	2	443	C	254-5TC	RBQ81072-34.97-M13-00	**R81072057**
51	1.59	23897	4550	34.56	3	473	C	254-5TC	RBQ81073-34.56-M13-00	**R81073082**
45	1.43	26684	4570	38.59	3	473	C	254-5TC	RBQ81073-38.59-M13-00	**R81073083**
44	1.39	27403	4850	39.63	3	473	C	254-5TC	RBQ81073-39.63-M13-00	**R81073084**
41	1.28	29837	5000	43.15	3	473	C	254-5TC	RBQ81073-43.15-M13-00	**R81073085**
38	1.18	32188	5100	46.55	3	473	C	254-5TC	RBQ81073-46.55-M13-00	**R81073086**
35	1.11	34207	5300	49.47	3	473	C	254-5TC	RBQ81073-49.47-M13-00	**R81073087**
33	1.05	36164	5450	52.30	3	473	C	254-5TC	RBQ81073-52.30-M13-00	**R81073088**
33	1.03	36904	5500	53.37	3	473	C	254-5TC	RBQ81073-53.37-M13-00	**R81073089**
32	1.01	37630	5550	54.42	3	473	C	254-5TC	RBQ81073-54.42-M13-00	**R81073090**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8772093 – 151352

MOTOR SELECTIONS

20 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	256TC	**151352**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	256TC	**171589**	18, 27

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

25 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
781	4.13	1936	3370	2.24	2	320	C	284-6TC	RBQ8972-2.24-M15-00	**R8972064**
774	5.00	1953	2725	2.26	2	443	C	284-6TC	RBQ81072-2.26-M15-00	**R81072058**
732	2.15	2066	1820	2.39	2	199	C	284-6TC	RBQ8872-2.39-M15-00	**R8872111**
692	3.85	2187	3370	2.53	2	320	C	284-6TC	RBQ8972-2.53-M15-00	**R8972065**
655	2.02	2308	1830	2.67	2	199	C	284-6TC	RBQ8872-2.67-M15-00	**R8872112**
585	1.89	2584	1840	2.99	2	199	C	284-6TC	RBQ8872-2.99-M15-00	**R8872113**
556	3.39	2723	3370	3.15	2	320	C	284-6TC	RBQ8972-3.15-M15-00	**R8972066**
543	1.02	2783	1350	3.22	2	116	C	254-5TC	RBQ8772-3.22-M13-00	**R8772096**
543	1.80	2783	1840	3.22	2	199	C	284-6TC	RBQ8872-3.22-M15-00	**R8872114**
486	3.12	3112	3370	3.60	2	320	C	284-6TC	RBQ8972-3.60-M15-00	**R8972067**
483	1.67	3129	1840	3.62	2	199	C	284-6TC	RBQ8872-3.62-M15-00	**R8872115**
464	1.62	3259	1850	3.77	2	199	C	284-6TC	RBQ8872-3.77-M15-00	**R8872116**
411	1.49	3682	1860	4.26	2	199	C	284-6TC	RBQ8872-4.26-M15-00	**R8872117**
380	2.64	3976	3370	4.60	2	320	C	284-6TC	RBQ8972-4.60-M15-00	**R8972068**
346	1.31	4374	1880	5.06	2	199	C	284-6TC	RBQ8872-5.06-M15-00	**R8872118**
326	2.27	4633	3370	5.36	2	320	C	284-6TC	RBQ8972-5.36-M15-00	**R8972069**
296	3.22	5117	3370	5.92	2	320	C	284-6TC	RBQ8972-5.92-M15-00	**R8972070**
291	1.82	5195	1900	6.01	2	199	C	284-6TC	RBQ8872-6.01-M15-00	**R8872119**
262	3.03	5782	3370	6.69	2	320	C	284-6TC	RBQ8972-6.69-M15-00	**R8972071**
261	1.71	5800	1980	6.71	2	199	C	284-6TC	RBQ8872-6.71-M15-00	**R8872120**
233	1.60	6483	2080	7.50	2	199	C	284-6TC	RBQ8872-7.50-M15-00	**R8872121**
216	1.52	6993	2100	8.09	2	199	C	284-6TC	RBQ8872-8.09-M15-00	**R8872122**
210	2.50	7209	3370	8.34	2	320	C	284-6TC	RBQ8972-8.34-M15-00	**R8972072**
193	1.41	7857	2140	9.09	2	199	C	284-6TC	RBQ8872-9.09-M15-00	**R8872123**
185	1.37	8177	2150	9.46	2	199	C	284-6TC	RBQ8872-9.46-M15-00	**R8872124**
184	2.21	8229	3370	9.52	2	320	C	284-6TC	RBQ8972-9.52-M15-00	**R8972073**
164	1.26	9240	2200	10.69	2	199	C	284-6TC	RBQ8872-10.69-M15-00	**R8872125**
144	1.83	10519	3370	12.17	2	320	C	284-6TC	RBQ8972-12.17-M15-00	**R8972074**
138	1.11	10986	2350	12.71	2	191	C	284-6TC	RBQ8872-12.71-M15-00	**R8872126**
124	1.67	12248	3370	14.17	2	320	C	284-6TC	RBQ8972-14.17-M15-00	**R8972075**
97	2.43	15662	3350	18.12	2	443	C	284-6TC	RBQ81072-18.12-M15-00	**R81072070**
96	1.40	15774	3370	18.25	2	320	C	284-6TC	RBQ8972-18.25-M15-00	**R8972076**
87	1.33	17313	3370	20.03	2	320	C	284-6TC	RBQ8972-20.03-M15-00	**R8972077**
87	2.20	17321	3500	20.04	2	443	C	284-6TC	RBQ81072-20.04-M15-00	**R81072071**
78	1.98	19275	3700	22.30	2	443	C	284-6TC	RBQ81072-22.30-M15-00	**R81072072**
70	1.76	21617	3900	25.01	2	443	C	284-6TC	RBQ81072-25.01-M15-00	**R81072073**
62	1.56	24487	4200	28.33	2	443	C	284-6TC	RBQ81072-28.33-M15-00	**R81072074**
54	1.36	28074	4350	32.48	2	443	C	284-6TC	RBQ81072-32.48-M15-00	**R81072075**
50	1.26	30226	4550	34.97	2	443	C	284-6TC	RBQ81072-34.97-M15-00	**R81072076**
51	1.28	29872	4550	34.56	3	473	C	284-6TC	RBQ81073-34.56-M15-00	**R81073109**
45	1.14	33355	4570	38.59	3	473	C	254-5TC	RBQ81073-38.59-M13-00	**R81073083**
44	1.11	34254	4850	39.63	3	473	C	254-5TC	RBQ81073-39.63-M13-00	**R81073084**
41	1.02	37296	5000	43.15	3	473	C	254-5TC	RBQ81073-43.15-M13-00	**R81073085**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8972064 – 151507

MOTOR SELECTIONS

25 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	284TC	151507	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	284TC	171591	18, 27

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

30 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
781	3.44	2323	3370	2.24	2	320	C	286TC	RBQ8972-2.24-M15-00	**R8972064**
774	4.17	2344	2725	2.26	2	443	C	286TC	RBQ81072-2.26-M15-00	**R81072058**
732	1.80	2479	1820	2.39	2	199	C	286TC	RBQ8872-2.39-M15-00	**R8872111**
692	3.21	2624	3370	2.53	2	320	C	286TC	RBQ8972-2.53-M15-00	**R8972065**
655	1.68	2769	1830	2.67	2	199	C	286TC	RBQ8872-2.67-M15-00	**R8872112**
585	1.57	3101	1840	2.99	2	199	C	286TC	RBQ8872-2.99-M15-00	**R8872113**
556	2.83	3267	3370	3.15	2	320	C	286TC	RBQ8972-3.15-M15-00	**R8972066**
543	1.50	3340	1840	3.22	2	199	C	286TC	RBQ8872-3.22-M15-00	**R8872114**
486	2.60	3734	3370	3.60	2	320	C	286TC	RBQ8972-3.60-M15-00	**R8972067**
483	1.39	3755	1840	3.62	2	199	C	286TC	RBQ8872-3.62-M15-00	**R8872115**
464	1.35	3910	1850	3.77	2	199	C	286TC	RBQ8872-3.77-M15-00	**R8872116**
411	1.24	4419	1860	4.26	2	199	C	286TC	RBQ8872-4.26-M15-00	**R8872117**
380	2.20	4771	3370	4.60	2	320	C	286TC	RBQ8972-4.60-M15-00	**R8972068**
346	1.10	5248	1880	5.06	2	199	C	286TC	RBQ8872-5.06-M15-00	**R8872118**
326	1.89	5559	3370	5.36	2	320	C	286TC	RBQ8972-5.36-M15-00	**R8972069**
296	2.69	6140	3370	5.92	2	320	C	286TC	RBQ8972-5.92-M15-00	**R8972070**
291	1.52	6234	1900	6.01	2	199	C	286TC	RBQ8872-6.01-M15-00	**R8872119**
262	2.52	6939	3370	6.69	2	320	C	286TC	RBQ8972-6.69-M15-00	**R8972071**
261	1.42	6960	1980	6.71	2	199	C	286TC	RBQ8872-6.71-M15-00	**R8872120**
233	1.33	7779	2080	7.50	2	199	C	286TC	RBQ8872-7.50-M15-00	**R8872121**
216	1.27	8391	2100	8.09	2	199	C	286TC	RBQ8872-8.09-M15-00	**R8872122**
210	2.08	8650	3370	8.34	2	320	C	286TC	RBQ8972-8.34-M15-00	**R8972072**
193	1.18	9428	2140	9.09	2	199	C	286TC	RBQ8872-9.09-M15-00	**R8872123**
185	1.14	9812	2150	9.46	2	199	C	286TC	RBQ8872-9.46-M15-00	**R8872124**
184	1.84	9874	3370	9.52	2	320	C	286TC	RBQ8972-9.52-M15-00	**R8972073**
164	1.05	11088	2200	10.69	2	199	C	286TC	RBQ8872-10.69-M15-00	**R8872125**
144	1.52	12623	3370	12.17	2	320	C	286TC	RBQ8972-12.17-M15-00	**R8972074**
124	1.39	14697	3370	14.17	2	320	C	286TC	RBQ8972-14.17-M15-00	**R8972075**
97	2.03	18794	3350	18.12	2	443	C	286TC	RBQ81072-18.12-M15-00	**R81072070**
96	1.17	18929	3370	18.25	2	320	C	286TC	RBQ8972-18.25-M15-00	**R8972076**
87	1.11	20775	3370	20.03	2	320	C	286TC	RBQ8972-20.03-M15-00	**R8972077**
87	1.83	20786	3500	20.04	2	443	C	286TC	RBQ81072-20.04-M15-00	**R81072071**
78	1.65	23130	3700	22.30	2	443	C	286TC	RBQ81072-22.30-M15-00	**R81072072**
70	1.47	25941	3900	25.01	2	443	C	286TC	RBQ81072-25.01-M15-00	**R81072073**
62	1.30	29384	4200	28.33	2	443	C	286TC	RBQ81072-28.33-M15-00	**R81072074**
54	1.13	33689	4350	32.48	2	443	C	286TC	RBQ81072-32.48-M15-00	**R81072075**
50	1.05	36271	4550	34.97	2	443	C	286TC	RBQ81072-34.97-M15-00	**R81072076**
51	1.06	35846	4550	34.56	3	473	C	286TC	RBQ81073-34.56-M15-00	**R81073109**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:
R8972064 – 151505

MOTOR SELECTIONS

30 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	286TC	**151508**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	286TC	**171592**	18, 27

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

40 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ◆ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
774	3.13	3125	2725	2.26	2	473	C	324-5TC	RBQ81072-2.26-M17-00	**R81072096**
591	3.12	4094	2745	2.96	2	473	C	324-5TC	RBQ81072-2.96-M17-00	**R81072098**
461	3.13	5241	2755	3.79	2	473	C	324-5TC	RBQ81072-3.79-M17-00	**R81072099**
322	2.57	7509	2700	5.43	2	473	C	324-5TC	RBQ81072-5.43-M17-00	**R81072101**
255	2.77	9487	2785	6.86	2	473	C	324-5TC	RBQ81072-6.86-M17-00	**R81072103**
222	2.58	10856	2790	7.85	2	473	C	324-5TC	RBQ81072-7.85-M17-00	**R81072104**
173	2.51	13940	2800	10.08	2	473	C	324-5TC	RBQ81072-10.08-M17-00	**R81072105**
143	2.26	16886	2810	12.21	2	473	C	324-5TC	RBQ81072-12.21-M17-00	**R81072106**
121	1.91	19928	3050	14.41	2	473	C	324-5TC	RBQ81072-14.41-M17-00	**R81072107**
96	1.52	25059	3350	18.12	2	473	C	324-5TC	RBQ81072-18.12-M17-00	**R81072108**
87	1.37	27714	3500	20.04	2	473	C	324-5TC	RBQ81072-20.04-M17-00	**R81072109**
78	1.24	30840	3700	22.30	2	473	C	324-5TC	RBQ81072-22.30-M17-00	**R81072110**
70	1.10	34588	3900	25.01	2	473	C	324-5TC	RBQ81072-25.01-M17-00	**R81072111**

50 HP Gear Reducer Quick Selections

774	2.50	3907	2725	2.26	2	488	C	364-5TC	RBQ81072-2.26-M19-00	**R81072096**
591	2.50	5117	2745	2.96	2	488	C	364-5TC	RBQ81072-2.96-M19-00	**R81072098**
461	2.50	6552	2755	3.79	2	473	C	324-5TC	RBQ81072-3.79-M19-00	**R81072099**
322	2.06	9387	2700	5.43	2	473	C	324-5TC	RBQ81072-5.43-M19-00	**R81072101**
254	2.21	11911	2785	6.89	2	473	C	324-5TC	RBQ81072-6.89-M19-00	**R81072103**
222	2.06	13570	2790	7.85	2	473	C	324-5TC	RBQ81072-7.85-M19-00	**R81072104**
173	2.01	17425	2800	10.08	2	473	C	324-5TC	RBQ81072-10.08-M19-00	**R81072105**
143	1.81	21107	2810	12.21	2	473	C	324-5TC	RBQ81072-12.21-M19-00	**R81072106**
121	1.53	24910	3050	14.41	2	473	C	324-5TC	RBQ81072-14.41-M19-00	**R81072107**
96	1.22	31324	3350	18.12	2	473	C	324-5TC	RBQ81072-18.12-M19-00	**R81072108**
87	1.10	34643	3500	20.04	2	473	C	324-5TC	RBQ81072-20.04-M19-00	**R81072109**

◆ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

GEAR+MOTOR™

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:

R81072096 – 151509

MOTOR SELECTIONS

40 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	324TC	**151509**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	324TC	**171593**	18, 27

50 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	326TC	**151510**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	326TC	**171594**	18, 27

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com

QUICK SELECTIONS

R SERIES & P SERIES HELICAL-INLINE
1750 RPM INPUT

This Quick Selection is only for motorized reducers with base mount (Aluminum = B1 suffix, Cast Iron = no suffix.) For other reducer configurations refer to Maximum Rating Tables beginning on page 429.

60 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
774	2.08	4688	2725	2.26	2	488	C	364-5TC	RBQ81072-2.26-M19-00	**R81072096**
591	2.08	6140	2745	2.96	2	488	C	364-5TC	RBQ81072-2.96-M19-00	**R81072098**
461	2.09	7862	2755	3.79	2	488	C	364-5TC	RBQ81072-3.79-M19-00	**R81072099**
380	2.02	9542	2570	4.60	2	488	C	364-5TC	RBQ81072-4.60-M19-00	**R81072100**
322	1.71	11264	2700	5.43	2	488	C	364-5TC	RBQ81072-5.43-M19-00	**R81072101**
291	2.09	12467	2750	6.01	2	488	C	364-5TC	RBQ81072-6.01-M19-00	**R81072102**
255	1.85	14231	2785	6.86	2	488	C	364-5TC	RBQ81072-6.89-M19-00	**R81072103**
222	1.72	16284	2790	7.85	2	488	C	364-5TC	RBQ81072-7.85-M19-00	**R81072104**
173	1.67	20910	2800	10.08	2	488	C	364-5TC	RBQ81072-10.08-M19-00	**R81072105**
143	1.50	25329	2810	12.21	2	488	C	364-5TC	RBQ81072-12.21-M19-00	**R81072106**
121	1.27	29892	3050	14.41	2	488	C	364-5TC	RBQ81072-14.41-M19-00	**R81072107**
96	1.01	37589	3350	18.12	2	488	C	364-5TC	RBQ81072-18.12-M19-00	**R81072108**

75 HP Gear Reducer Quick Selections

Output Speed (RPM)	Service Factor▼	Output Torque (lb-in)	Overhung Load ● (lbs.)	Ratio	Number of Stages	Reducer Weight ♦ (lbs.)	Aluminum or Cast Iron	Motor Frame	Model Number	Reducer Only Catalog Number
774	1.67	5860	2725	2.26	2	488	C	364-5TC	RBQ81072-2.26-M19-00	**R81072096**
678	1.67	6690	2735	2.58	2	488	C	364-5TC	RBQ81072-2.58-M19-00	**R81072097**
591	1.67	7675	2745	2.96	2	488	C	364-5TC	RBQ81072-2.96-M19-00	**R81072098**
461	1.67	9828	2755	3.79	2	488	C	364-5TC	RBQ81072-3.79-M19-00	**R81072099**
380	1.62	11928	2570	4.60	2	488	C	364-5TC	RBQ81072-4.60-M19-00	**R81072100**
322	1.37	14080	2700	5.43	2	488	C	364-5TC	RBQ81072-5.43-M19-00	**R81072101**
291	1.69	15584	2750	6.01	2	488	C	364-5TC	RBQ81072-6.01-M19-00	**R81072102**
255	1.48	17788	2785	6.86	2	488	C	364-5TC	RBQ81072-6.89-M19-00	**R81072103**
222	1.38	20355	2790	7.85	2	488	C	364-5TC	RBQ81072-7.85-M19-00	**R81072104**
173	1.34	26138	2800	10.08	2	488	C	364-5TC	RBQ81072-10.08-M19-00	**R81072105**
143	1.20	31661	2810	12.21	2	488	C	364-5TC	RBQ81072-12.21-M19-00	**R81072106**
121	1.02	37366	3050	14.41	2	488	C	364-5TC	RBQ81072-14.41-M19-00	**R81072107**

♦ Weight does not include oil.
▼ Service Factor is based on maximum torque rating of reducer.
● Overhung load is calculated at centerline of output shaft.

STOCK GEAR+MOTOR™

Start with a Grove Gear IRONMAN reducer and add a LEESON industrial-duty NEMA C face motor to produce a GEAR+MOTOR™.

How To Create a GEAR+MOTOR™ Part Number

1. Select reducer catalog number
2. Select motor catalog number
3. Order reducer and motor as one line item as shown below

Example:

R81072096 – 151519

MOTOR SELECTIONS

60 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	364TC	**151519**	25
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	364TC	**171595**	18, 27

75 HP LEESON ELECTRIC MOTORS

Motor Type	Voltage	Enclosure	Frame	Catalog Number	LEESON 1050 Catalog Page
General Purpose, C Face	208-230/460 3-PH	TEFC	365TC	**G150086**	27
WATTSAVER® Premium Efficiency Motor	208-230/460 3-PH	TEFC	365TC	**171596**	18, 27

CALL NOW 800-985-6929 http://www.automatedpt.com Email: charles@automatedpt.com