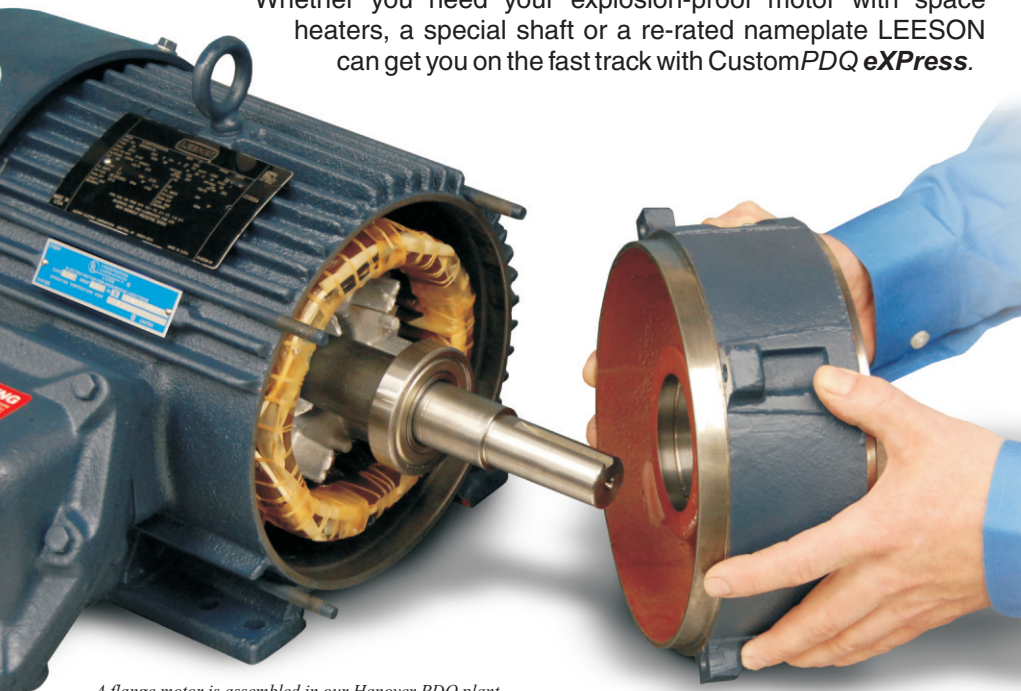




EXPLOSION-PROOF MOTORS *eXP*ress

We've combined our severe duty line of XP motors with our CustomPDQ capability to offer you an unprecedented service - *quickly delivered, custom, explosion-proof motors.*

Whether you need your explosion-proof motor with space heaters, a special shaft or a re-rated nameplate LEESON can get you on the fast track with CustomPDQ *eXP*ress.



A flange motor is assembled in our Hanover PDQ plant

Some of the custom capabilities include:

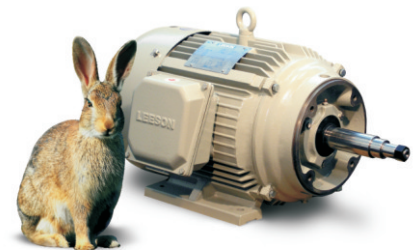
- Precision Rotor Balancing
- Roller or Sealed Bearings
- F1-F2-W6-W8 Mountings
- Below Deck Service
- Certified Testing & Reports
- Space Heaters
- Thermistors
- Thermocouples, RTD's
- Thermostats
- Grounding Screws
- Shaft Modifications
- TS Shafts 284T Frame and Up
- Drilled and Tapped Shafts
- Winding Encapsulation, Tropicalization, Weatherproofing
- Epoxy Paints
- C Flanges
- Base Removal, Round Body
- Install Terminal Lugs
- Low/high Temperature Lubricant
- Re-rated Motors
- Special Mountings
- Lifting Lugs
- Terminal Blocks
- Auxiliary Nameplate Data

LEESON stocks a full line of trusted explosion-proof motors designed to provide maximum protection in hazardous locations.

Motors are available for both 575V and 230/460V applications and now, through CustomPDQ *eXP*ress, also available in custom electrical configurations.

Stock product is available around the clock from warehouses across Canada. See reverse for product listing and stock catalogue numbers.

Call your local representative for more information on how you can get on the fast track with CustomPDQ *eXP*ress.



CustomPDQ | Think Fast.™

Ph 1-800-463-1797 Fax 1-800-225-9007
www.custompdq.com

EXPLOSION-PROOF MOTORS

eXpress



EXPLOSION-PROOF MOTORS FOR HAZARDOUS LOCATIONS

General Specifications:

These explosion proof motors are designed and approved for application in hazardous environments having certain explosive gases or materials present.

Features:

Rugged mechanical construction meeting all requirements for safety. UL & cUL listed. Double shielded, pre-lubricated ball bearings are standard. All motors have inherent automatic overload protection.

NEMA 1.15 service factor G Series.

Explosion-proof NEC-size conduit box included at no extra cost.

Normally closed thermostats are standard.

Application Notes:

These motors must be applied in accordance with the National Electrical Code, Article #500. A partial listing of explosive agents is noted below. Consult NFPA Publication 497M for a complete listing. No LEESON motors are listed for Class I, Groups A or B. Please note headings and footnotes for qualifications of specific LEESON motors.

Class I

Group A: Acetylene

Group B: Butadiene, ethylene oxide, hydrogen, propylene oxide, manufactured gases containing more than 30% hydrogen by volume.

Group C: Acetaldehyde, cyclopropane, diethyl ether, ethylene.

Group D: Acetone, acrylonitrile, ammonia, benzene, butane, ethanol, ethylene dichloride, gasoline, hexane, isoprene, methane (natural gas), methanol, naphtha, propane, propylene, styrene, toluene, vinyl acetate, vinyl chloride, xylene.

Class II

Group E: Aluminum, magnesium and other metal dusts with similar characteristics.

Group F: Carbon black, coke or coal dust.

Group G: Flour, starch or grain dust.

180T-449T FRAME • CAST IRON

HP	RPM	Frame	Rigid Base			C Flange & Base ②		
			230/460V	575V	List Price	230/460V	575V	List Price
3	3600	182T	—	—	925	G850587	G850602	1303
3	1800	182T	G158362	G850520①	981	G850617	G850632	1182
3	1200	213T	G850553	G850570①	1446	G850647	G850662	1717
5	3600	184T	G158319	G850537①	1149	G850588	G850603	1353
5	1800	184T	G158366	G850521①	1113	G850618	G850633	1243
5	1200	215T	G850554	G850571①	1804	G850648	G850663	1985
7.5	3600	213T	G158158	G850538	1620	G850589	G850604	1889
7.5	1800	213T	G158157	G850522①	1489	G850619	G850634	1762
7.5	1200	254T	G850555	G850572①	2226	G850649	G850664	3657
10	3600	215T	G158159	G850539	1758	G850590	G850605	2030
10	1800	215T	G158140	G850523①	1614	G850620	G850635	1889
10	1200	256T	G850556	G850573①	2609	G850650	G850665	3973
15	3600	254T	G158000	G850540	2267	G850591	G850606	2544
15	1800	254T	G158001	G850524	2298	G850621	G850636	2505
15	1200	284T	G850557	G850574①	3795	G850651	G850666	4333
20	3600	256T	G825039	G850541	2593	G850592	G850607	3197
20	1800	256T	G158010	G850525	2587	G850622	G850637	3222
20	1200	286T	G850558	G850575	3932	G850652	G850667	4858
25	3600	284TS	G825046	G850542	3546	G850593	G850608	4444
25	1800	284T	G825047	G850526	3480	G850623	G850638	4570
25	1200	324T	G850559	G850576①	4854	G850653	G850668	6130
30	3600	286TS	G825040	G850543	3774	G850594	G850609	4691
30	1800	286T	G825041	G850527	3875	G850624	G850639	4797
30	1200	326T	G850560	G850577	5298	G850654	G850669	6610
40	3600	324TS	G825042	G850544	4929	G850595	G850610	6211
40	1800	324T	G825043	G850528	5143	G850625	G850640	6444
40	1200	364T	G850561	G850578	7252	G850655	G850670	8711
50	3600	326TS	G825044	G850545	6261	G850596	G850611	7650
50	1800	326T	G825045	G850529	5859	G850626	G850641	7216
50	1200	365T	G850562	G850579①	7534	G850656	G850671	9150
60	3600	364TS	G825001	G850546	7852	G850597	G850612	9807
60	1800	364T	G825002	G850530	7407	G850627	G850642	9322
60	1200	404T	G850563	G850580	9563	G850657	G850672	10958
75	3600	365TS	G825004	G850547	8906	G850598	G850613	10943
75	1800	365T	G825005	G850531	8606	G850628	G850643	10428
75	1200	405T	G850564	G850581	9491	G850658	G850673	11706
100	3600	405TS	G825007	G850548	12433	G850599	G850614	14877
100	1800	405T	G825008	G850532	10117	G850629	G850644	12377
100	1200	444T	G850565	G850582	14370	G850659	G850674	17043
125	3600	444TS	G825010	G850549	16438	G850600	G850615	19199
125	1800	444T	G825011	G850533	13524	G850630	G850645	16053
125	1200	445T	G850566	G850583	15851	G850660	G850675	18639
150	3600	445TS	G825013	G850550	20620	G850601	G850616	23785
150	1800	445T	G825014	G850534	15109	G850631	G850646	17841
150	1200	445T	G850567	G850584	19246	G850661	G850676	22300
200	3600	445TS	G825016	G850551	24035			
200	1800	445T	G825017	G850535	19973			
200	1200	449T	G850568	G850585	25502			
250	3600	449TS	G825019①	G850552①	28109			
250	1800	449T	G825020①	G850536①	22721			
250	1200	449T	G850569①	G850586①	33867			

Rigid Base Motors are suitable for Class I, Groups C & D - Class II, Groups F & G except as indicated.

① Class I, Group D - Class II, Groups F & G

② C Flange Motors are suitable for Class I, Group D - Class II, Groups F & G



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