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TECHNOLOGY GROUP

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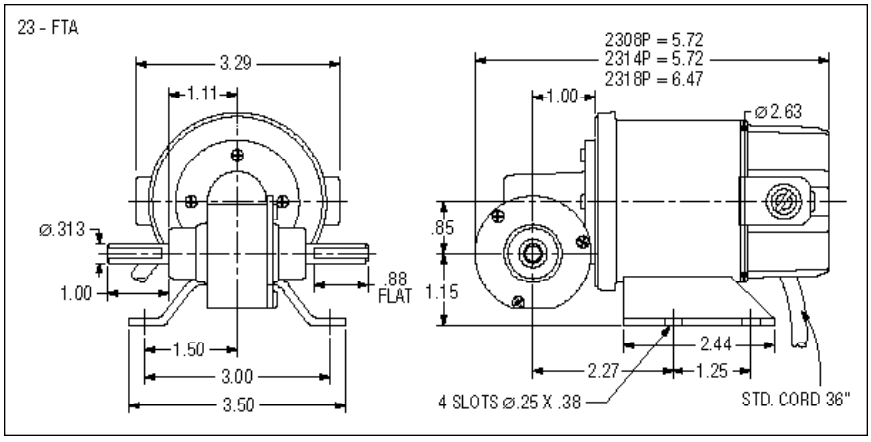
GP231003 Shown
FTA Style

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: DCPM motor provides exceptional starting torque, adjustable speed, and predictable performance over a wide range of operating conditions. Bronze sleeve bearing on output for smooth torque transmission. High strength bronze gearing and hardened and ground worm for quiet operation. Hardened and ground worm for quiet operation. Permanently lubricated with synthetic grease lubrication, can be mounted in all positions including vertical motor below gearhead.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [a]
90 VDC											
1/50	87	20:1	7.3	**GP231003**	407	DS	5	2308P-FTA	90	0.34	20
1/25	140	12:1	11	**GP231002**	439	DS	5	2314P-FTA	90	0.54	20
1/17	312	8:1	6	**GP231001**	439	DS	5	2314P-FTA	90	0.62	20
1/25	344	5:1	5.1	**GP232001**	439	DS	5	2314P-FTA	90	0.49	20

[a] See notes on inside back flap.





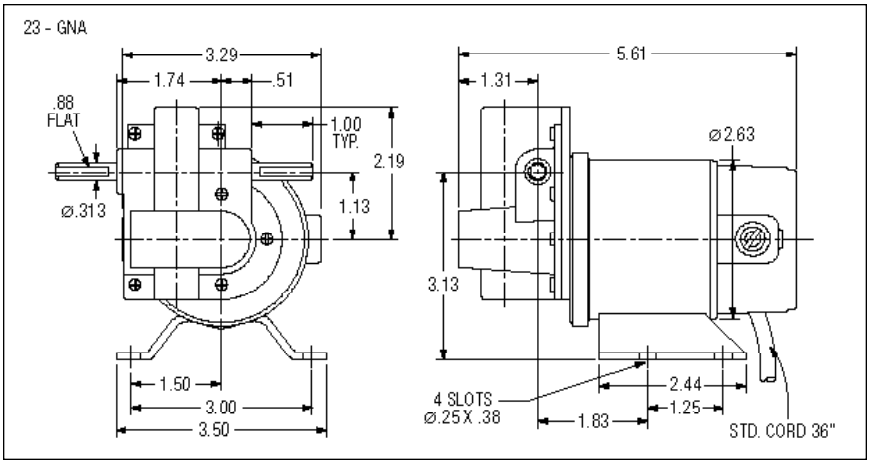
GP231005 Shown
GNA Style

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: DCPM motor provides exceptional starting torque, adjustable speed, and predictable operating conditions. High strength bronze gearing for increased torque capacity. High performance low friction, bidirectional motor seals. Permanently lubricated for life with synthetic grease lubrication, can be mounted in all positions including vertical motor below gearhead.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [a]
90 VDC											
1/97	8.2	225:1	15	**GP231005**	427	DS	5	2308P-GNA	90	0.19	20

[a] See notes on inside back flap.





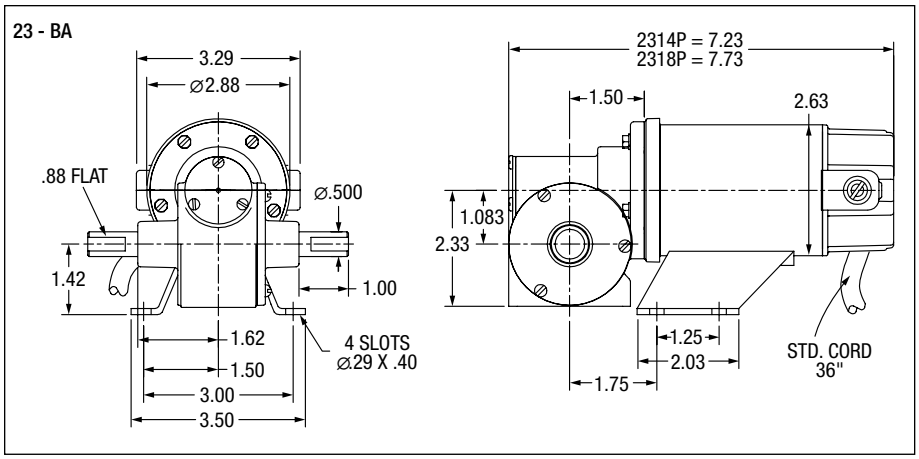
GP232002 Shown
BA Style

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: DCPM motor provides exceptional starting torque, adjustable speed, and predictable performance over a wide range of operating conditions. Permaglide sleeve bearing on output for smooth torque transmission. High strength bronze gearing, hardened and ground worm for quiet operation. High performance low friction, bidirectional motor seals. Permanently lubricated with synthetic oil. Internal oil expansion chamber allows for all position mounting without relocating a breather vent.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog [a] Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [b]
90 VDC											
1/22	40	40:1	30	**GP232002**	542	DS	7	2314P-BA	90	0.60	20
1/16	60	30:1	33	**GP233003**	561	DS	8	2318P-BA	90	0.72	20
	90	20:1	27	**GP233002**	561	DS	7	2318P-BA	90	0.75	20
	120	15:1	22	**GP233007**	561	DS	7	2318P-BA	90	0.78	20
	173	10:1	17	**GP233001**	561	DS	7	2318P-BA	90	0.85	20
180 VDC											
1/16	60	30:1	33	**GP233023**	561	DS	7	2318P-BA	180	0.42	20
1/14	86	20:1	28	**GP233022**	561	DS	7	2318P-BA	180	0.42	20
1/16	175	10:1	17	**GP233021**	561	DS	7	2318P-BA	180	0.42	20

[a] Vertical motor below gearhead not recommended.
Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.
[b] See notes on inside back flap.



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Right Angle DC Gearmotors



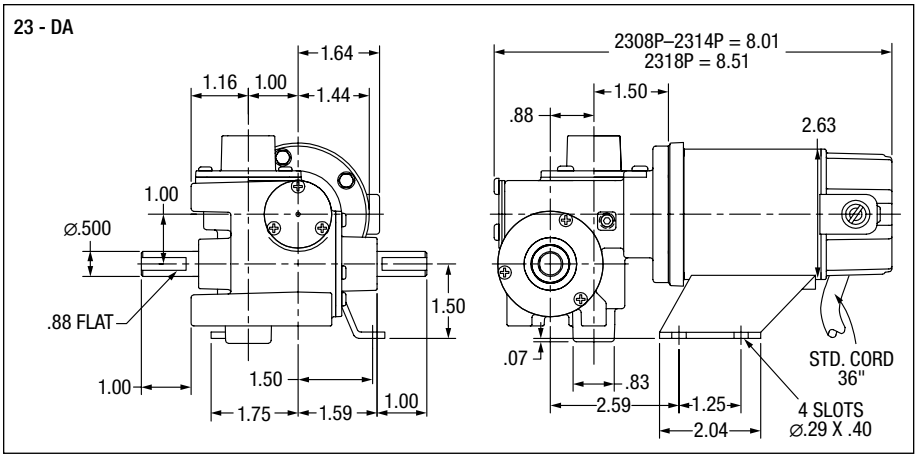
GP232004 Shown
DA Style

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: DCPM motor provides exceptional starting torque, adjustable speed and predictable operating conditions. High strength bronze gearing for increased torque capacity. High performance low friction, bidirectional motor seals. Permanently lubricated with synthetic grease lubrication, can be mounted in all positions including vertical motor below gearhead.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog [a] Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [b]
				90 VDC							
1/66	1.7	1100:1	75	**GP232004**	606	DS	7	2308P-DA	90	0.18	20
1/49	3.7	660:1	75	**GP232005**	606	DS	7	2308P-DA	90	0.34	20
1/27	8.7	310:1	66	**GP232006**	606	DS	7	2314P-DA	90	0.44	20
1/15	19.6	130:1	64	**GP232007**	632	DS	7	2314P-DA	90	0.68	20
				180 VDC							
1/83	1.9	1100:1	75	**GP233020**	632	DS	7	2314P-DA	180	0.11	20
1/31	4.1	660:1	75	**GP233029**	632	DS	7	2314P-DA	180	0.20	20
1/22	8.5	310:1	66	**GP233028**	632	DS	7	2314P-DA	180	0.26	20
1/20	19.7	130:1	64	**GP233027**	660	DS	7	2314P-DA	180	0.31	20

[a] Vertical motor below gearhead not recommended.
Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.
[b] See notes on inside back flap.





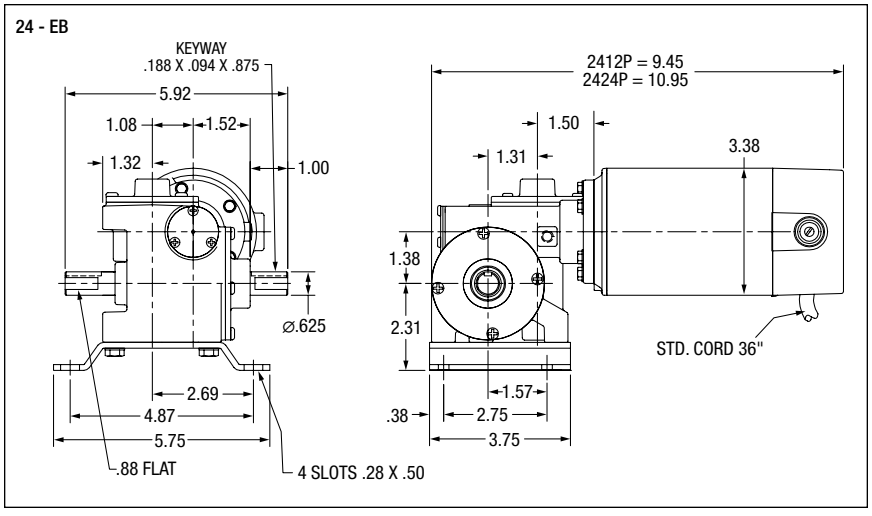
GP7409 Shown
EB Style

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: DCPM motor provides exceptional starting torque, adjustable speed, and predictable operating conditions. High strength bronze gearing for increased torque capacity. High performance low friction, bidirectional motor seals. Permanently lubricated with synthetic grease lubrication, can be mounted in all positions including vertical motor below gearhead.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [a]
90 VDC											
1/8	6	600:1	150	**GP7304**	889	DS	13	2412P-EB	90	1.00	20
1/4	20	180:1	175	**GP7409**	848	DS	15	2424P-EB	90	2.00	20
180 VDC											
1/4	20	180:1	175	**GP7429**	875	DS	15	2424P-EB	180	1.00	20

[a] See notes on inside back flap.



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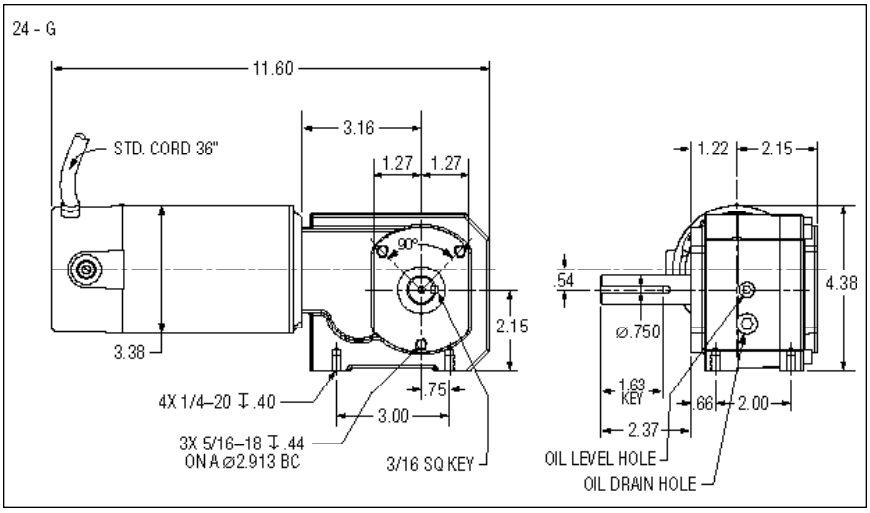
GP24280 Shown
G Style

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: Bronze and hardened steel worm gear first stage, hardened steel helical output stage for improved overall efficiency and dependable torque transmission. Completely sealed from the environment and pre-lubricated with synthetic oil, it can be put into immediate service and does not require periodic oil changes. G gear style can be face mounted on the output shaft side, or from the bottom of the gear housing.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog [a] Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [b]
90 VDC											
1/8	6.2	280:1	400	**GP24280**	965	DS	16	2424P-G	90	1.80	20
	9.1	190:1	385	**GP24190**	965	DS	15	2424P-G	90	1.80	20
	14	120:1	280	**GP24120**	965	DS	16	2424P-G	90	1.80	20
	29	60:1	163	**GP24060**	965	DS	16	2424P-G	90	1.80	20

[a] Vertical motor below gearhead not recommended.
Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.
[b] See notes on inside back flap.





GP13530 Shown
K Style

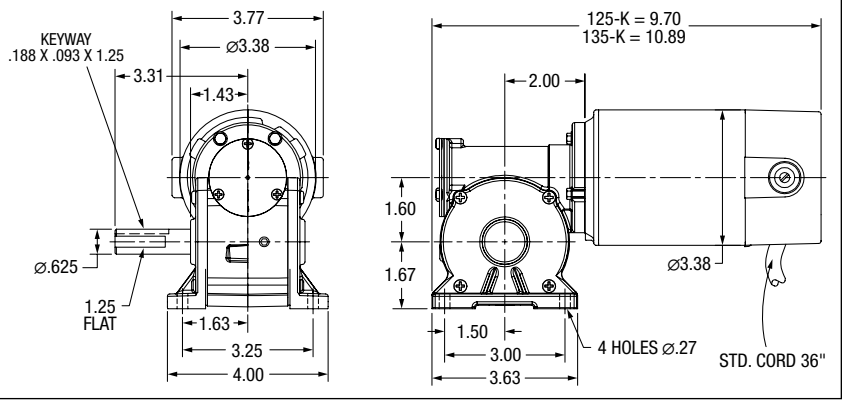
Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: DCPM motor provides exceptional starting torque, adjustable speed, and predictable operating conditions. Ball bearing on output for smooth torque transmission and increased radial load capacity. High strength bronze gearing, hardened and ground worm for quiet operation. High performance low friction, bi-directional motor seals. Permanently lubricated with synthetic oil. Internal oil expansion chamber allows for all position mounting without relocating a breather vent.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog [a] Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [b]
90 VDC											
1/12	43	40:1	73	**GP12511**	690	DS	10	125-K	90	0.90	20
	86	20:1	39	**GP12512**	690	DS	10	125-K	90	0.90	20
	173	10:1	22	**GP12514**	690	DS	10	125-K	90	0.90	20
	346	5:1	10	**GP12516**	690	DS	10	125-K	90	0.90	20
1/6	43	40:1	135	**GP13530**	725	DS	13	135-K	90	1.73	20
	57	30:1	111	**GP13531**	725	DS	13	135-K	90	1.73	20
	88	20:1	88	**GP13532**	725	DS	13	135-K	90	1.73	20
	173	10:1	48	**GP13533**	725	DS	13	135-K	90	1.73	20
	346	5:1	24	**GP13536**	725	DS	13	135-K	90	1.73	20

[a] Vertical motor below gearhead not recommended.
Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.
[b] See notes on inside back flap.

125-135 - K



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Right Angle DC Gearmotors



GP231004 Shown
CB Style

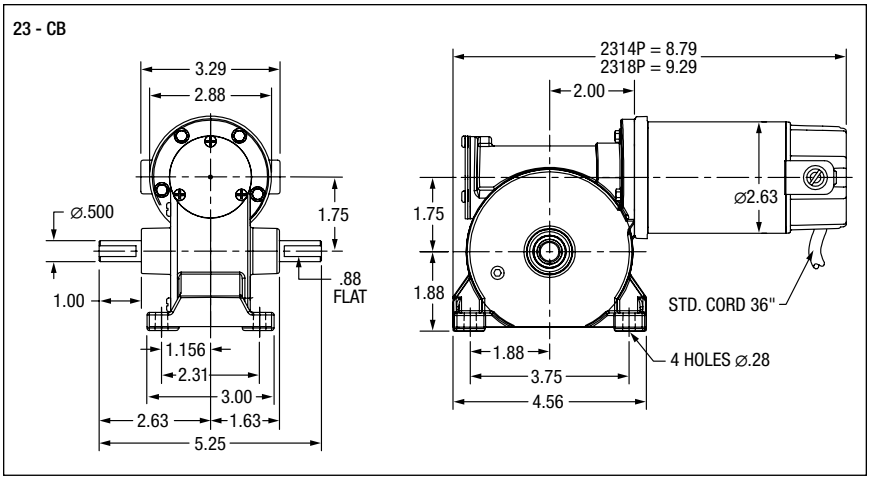
Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: DCPM motor provides exceptional starting torque, adjustable speed, and predictable performance over a wide range of operating conditions. Permaglide sleeve bearing on output for smooth torque transmission. High strength bronze gearing, hardened and ground worm for quiet operation. High performance low friction, bidirectional motor seals. Permanently lubricated with synthetic oil. Internal oil expansion chamber allows for all position mounting without relocating a breather vent.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog [a] Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [b]
90 VDC											
1/25	22	72:1	45	**GP231004**	542	DS	8	2314P-CB	90	0.53	20
	30	58:1	38	**GP232003**	542	DS	8	2314P-CB	90	0.53	20
1/16	38	45:1	57	**GP233006**	561	DS	8	2318P-CB	90	0.80	20
	52	33:1	48	**GP233005**	561	DS	8	2318P-CB	90	0.75	20
	76	22.5:1	33	**GP233004**	561	DS	8	2318P-CB	90	0.85	20
180 VDC											
1/16	41	45:1	57	**GP233026**	561	DS	8	2318P-CB	180	0.42	20
	53	33:1	48	**GP233025**	561	DS	8	2318P-CB	180	0.40	20
1/14	76	22.5:1	76	**GP233024**	561	DS	8	2318P-CB	180	0.42	20

[a] Vertical motor below gearhead not recommended.
Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.
[b] See notes on inside back flap.

23 - CB





GP7404 Shown
JK Style

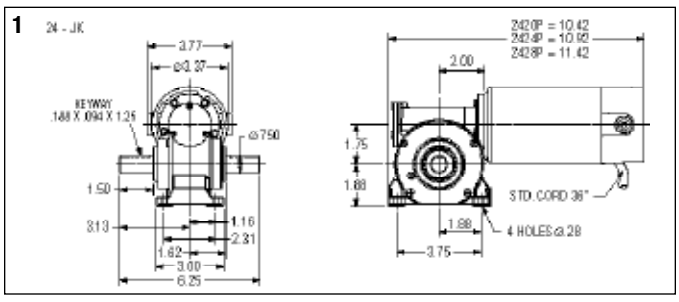
Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

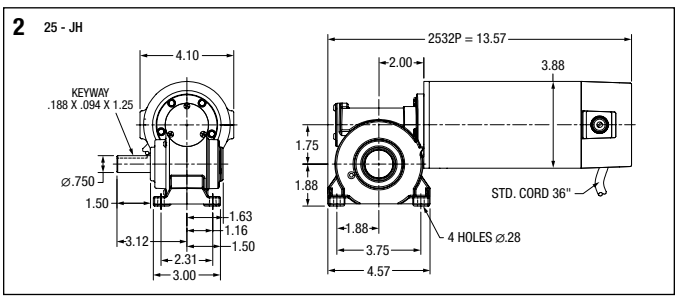
Features: DCPM motor provides exceptional starting torque, adjustable speed, and predictable operating conditions. Ball bearing on output for smooth torque transmission and increased radial load capacity High strength bronze gearing, hardened and ground worm for quiet operation. High performance low friction, bidirectional motor seals. Factory lubricated with synthetic oil. Internal oil expansion chamber allows for all position mounting without relocating a breather vent.

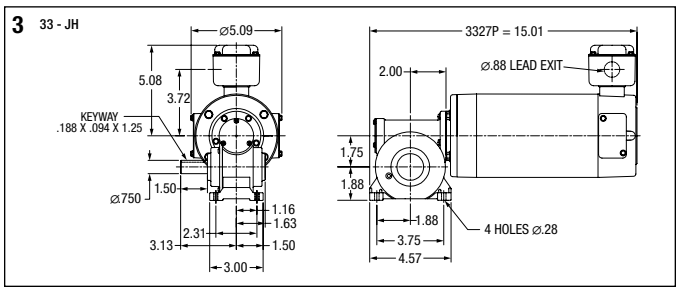
Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog [a] Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [b]	Drawing Number
90 VDC												
1/8	30	58:1	120	**GP7404**	770	DS	14	2424P-JK	90	1.30	20	1
	38	45:1	100	**GP7403**	770	DS	14	2424P-JK	90	1.30	20	1
	52	33:1	75	**GP7402**	770	DS	14	2424P-JK	90	1.30	20	1
	75	22.5:1	60	**GP7401**	770	DS	14	2424P-JK	90	1.30	20	1
	173	11:1	32	**GP7400**	770	DS	14	2424P-JK	90	1.30	20	1
1/5	50	45:1	120	**GP7408**	770	DS	14	2428P-JK	90	2.20	20	1
1/4	68	33:1	112	**GP7405**	770	DS	14	2428P-JK	90	2.40	20	1
	76	45:1	100	**GP7407**	770	DS	14	2428P-JK	90	2.60	20	1
	104	33:1	75	**GP7406**	770	DS	14	2428P-JK	90	2.60	20	1
	314	8:1	32	**GP7413**	770	DS	14	2428P-JK	90	2.60	20	1
1/3	48	50:1	150	**GP2507**	944	DS	21	2532P-JH	90	3.36	20	2
	62	40:1	137	**GP2506**	944	DS	21	2532P-JH	90	3.36	20	2
	123	20:1	95	**GP2503**	944	DS	21	2532P-JH	90	3.36	20	2
	245	10:1	65	**GP2501**	944	DS	21	2532P-JH	90	3.36	20	2
1/2	50	50:1	234	**GP3307**	1,096	DS	30	3327P-JH	90	5.00	20	3
	63	40:1	215	**GP3306**	1,096	DS	30	3327P-JH	90	5.00	20	3
	125	20:1	145	**GP3303**	1,096	DS	30	3327P-JH	90	5.00	20	3
	250	10:1	100	**GP3301**	1,096	DS	30	3327P-JH	90	5.00	20	3
180 VDC												
1/8	30	58:1	120	**GP7424**	770	DS	14	2420P-JK	180	0.64	20	1
	38	45:1	100	**GP7423**	770	DS	14	2420P-JK	180	0.64	20	1
	52	33:1	75	**GP7422**	770	DS	14	2420P-JK	180	0.64	20	1
	78	22.5:1	60	**GP7421**	770	DS	14	2420P-JK	180	0.64	20	1
	173	11:1	32	**GP7420**	770	DS	14	2420P-JK	180	0.65	20	1
1/5	50	45:1	120	**GP7428**	770	DS	14	2428P-JK	180	1.10	20	1
1/4	68	45:1	135	**GP7425**	770	DS	14	2428P-JK	180	1.30	20	1
	76	45:1	100	**GP7427**	770	DS	14	2428P-JK	180	1.30	20	1
	104	33:1	75	**GP7426**	770	DS	14	2428P-JK	180	1.30	20	1
	314	11:1	32	**GP7433**	770	DS	14	2428P-JK	180	1.30	20	1

[a] Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

[b] See notes on inside back flap.







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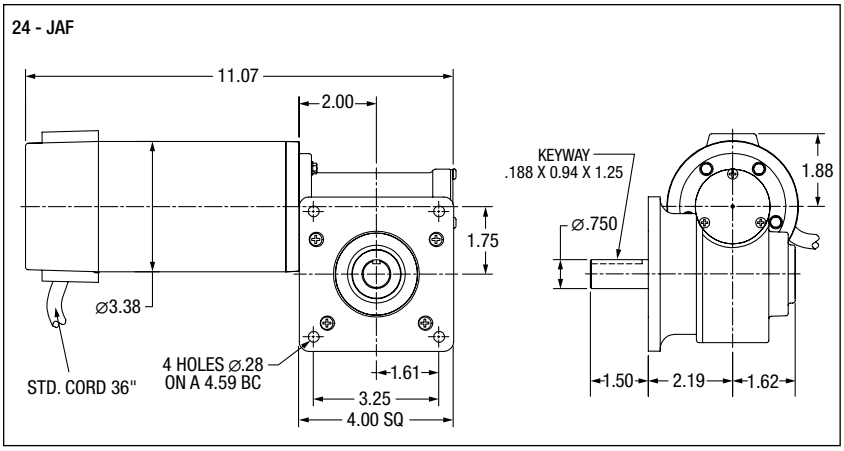
GPF13517 Shown
JAF Style

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: DCPM motor provides exceptional starting torque, adjustable speed, and predictable operating conditions. Ball bearing on output for smooth torque transmission and increased radial load capacity. High strength bronze gearing, hardened and ground worm for quite operation. High performance low friction, bi-directional motor seals. Factory lubricated with synthetic oil. Internal oil expansion chamber allows for all position mounting without relocating a breather vent.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog [a] Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Motor Type & Gear Style	Voltage D.C. Armature	Full Load Amperage Armature	Notes [b]
90 VDC											
1/4	312	8:1	38.0	**GPF13514**	799	DS	15	2428P-JAF	90	2.5	20
	167	15:1	69.0	**GPF13515**	799	DS	15	2428P-JAF	90	2.5	20
	111	22.5:1	96.0	**GPF13516**	799	DS	15	2428P-JAF	90	2.6	20
	76	33:1	110.0	**GPF13517**	799	DS	15	2428P-JAF	90	2.2	20
180 VDC											
1/5	167	15:1	55.0	**GPF13530**	799	DS	15	135-JAF	180	1.0	20
	76	33:1	88.0	**GPF13532**	799	DS	15	135-JAF	180	1.0	20

(a) Vertical motor below gearhead not recommended.
Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.
(b) See notes on inside back flap.



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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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