

EATON

Hydraulics

Product Data Sheet

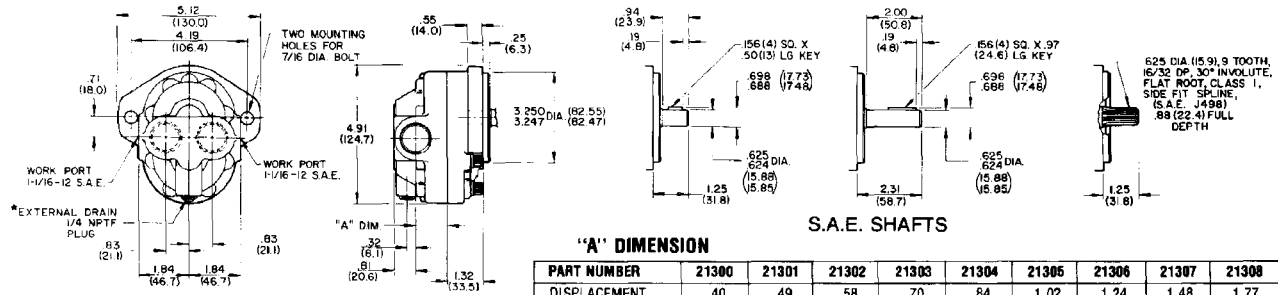
Model 21300 Gear Motor—"B1" Series

Specifications

Rotation	Dual
Mounting Flange	S.A.E. 2 Bolt "A"
Rated Pressure	2000 PSI (138 bar)
Maximum Pressure	2500 PSI (172 bar)
Maximum Drain Line Pressure	100 PSI (7 bar)
Maximum Continuous Inlet Temperature	225° (107°C)
Minimum Operating Temperature	-20°F. (-29°C)
Maximum Thrust Load	50 Lbs. (222.4 N)
Maximum Shaft Side Load @ 1" From Mounting Face	310 Lbs. (1379 N)
Weight	5 Lbs. (2.3 kg.)
Paint	Primer



Dimensions



* EXTERNAL DRAIN LINE REQUIRED ON ALL REAR PORTED MOTOR APPLICATIONS. EXTERNAL DRAIN LINE MUST BE CONNECTED ON SIDE PORTED MOTOR WHEN USED IN SERIES OR IF BACK PRESSURE EXCEEDS 100 PSI.

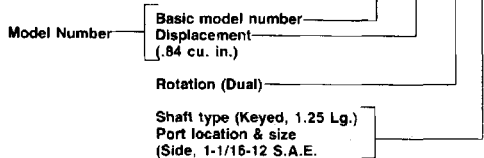
PART NUMBER	21300	21301	21302	21303	21304	21305	21306	21307	21308
DISPLACEMENT	.40	.49	.58	.70	.84	1.02	1.24	1.48	1.77
"A" DIMENSION	.85	.92	.99	1.06	1.19	1.29	1.45	1.66	1.86
	(21.6)	(23.4)	(25.1)	(26.9)	(30.2)	(32.8)	(36.8)	(42.2)	(47.2)

Model Number	Displacement Cu. In./Rev. (mL/Rev.)	Rated R.P.M.	Maximum P.S.I. (bar)	*Input G.P.M. (L/min.) @ 2000 P.S.I. And Rated Speed	Output Horsepower (kW) @ 2000 P.S.I. And Rated Speed	Output Torque lbs. in. (N-m) 2000 P.S.I. And Rated Speed
21300	.40 (6.6)	4000	2500 (172)	9.3 (36.3)	7.0 (5.2)	110 (12)
21301	.49 (8.0)	4000	2500 (172)	11.3 (42.8)	9.0 (6.7)	142 (16)
21302	.58 (9.5)	3850	2500 (172)	13.0 (49.2)	10.6 (7.9)	172 (20)
21303	.70 (11.5)	3750	2500 (172)	14.0 (53.0)	11.8 (8.8)	198 (22)
21304	.84 (13.8)	3650	2500 (172)	16.0 (60.6)	13.5 (10.1)	233 (26)
21305	1.02 (16.7)	3500	2500 (172)	18.5 (70.0)	15.8 (11.8)	284 (32)
21306	1.24 (20.3)	3400	2500 (172)	21.0 (79.5)	18.5 (13.8)	342 (38)
21307	1.48 (24.3)	3200	2500 (172)	25.5 (96.5)	20.2 (15.1)	399 (45)
21308	1.77 (29.0)	3000	2500 (172)	28.0 (106.0)	22.0 (16.4)	462 (52)

*G.P.M. Reading Taken At 180°F. Temperature

Ordering Information

Assembly Number Example: 21304 - DSC



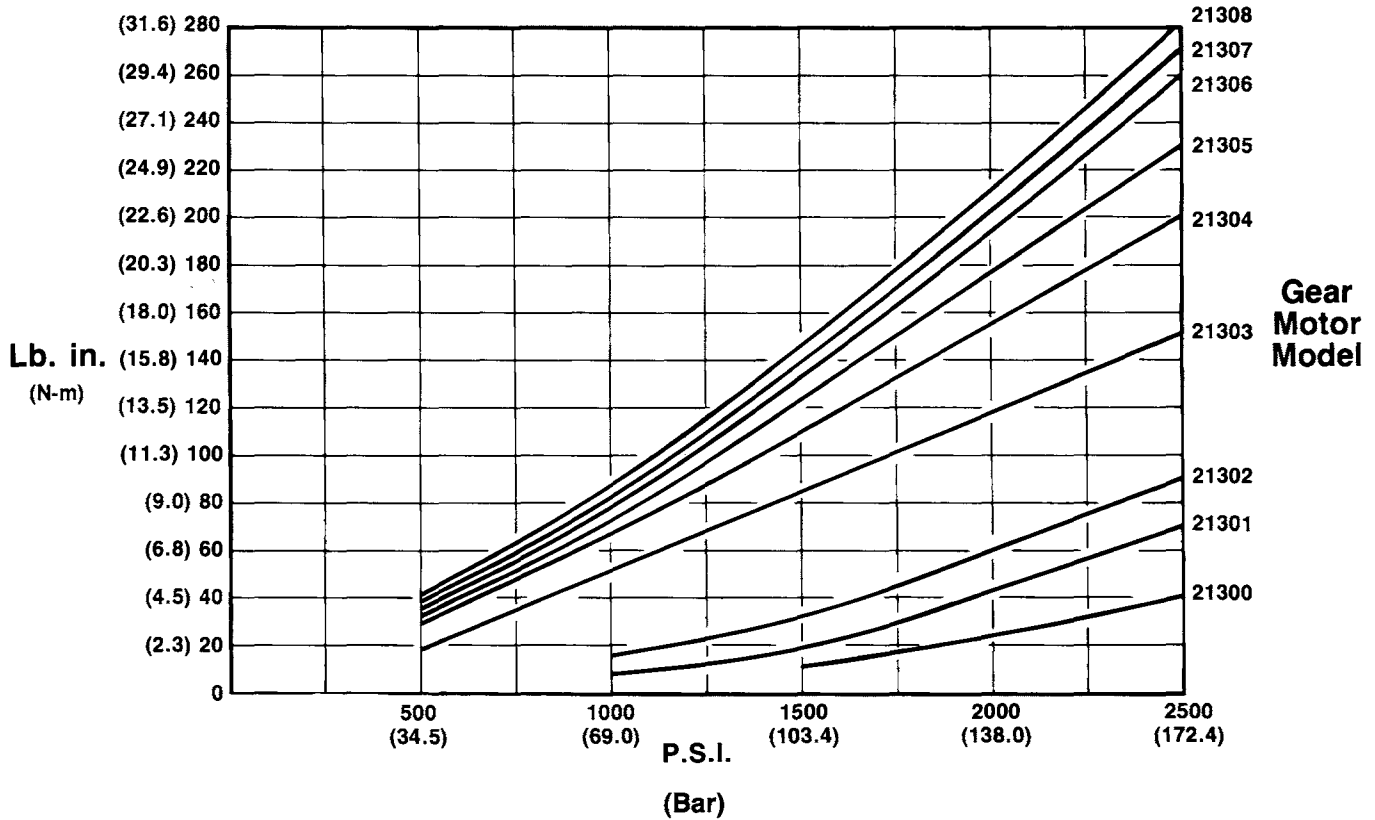
Basic Model Number	Cu. In. Displacement	Rotation	Shaft Type	Port Location	Port Size
2130	0 - .40	-D- Dual	SA	Side	1 1/16 -12 S.A.E.
	1 - .49				
	2 - .58		SB	Rear	1 1/16 -12 S.A.E.
	3 - .70				
	4 - .84		SC	Side	1 1/16 -12 S.A.E.
	5 - 1.02				
	6 - 1.24		SD	Rear	1 1/16 -12 S.A.E.
	7 - 1.48				
8 - 1.77	SE	Side	1 1/16 -12 S.A.E.		
				SF	Rear

Performance Curves

Model 21300 Gear Motor

Starting Torque

Test was performed per S.A.E. Specifications using mineral base oil within viscosity limits of 95-115 SUS at 120°F.



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